Sundhedscenterhenvisningsmønstre i Vanløse

SundhedsFremme SDC: JxAH, AtLH, LMGr
Klinisk Epidemiologi: MaEJ, SzyS
December 2014

Version 2.2

Compiled Tuesday 16th December, 2014, 20:16
from: `C:/Bendix/Steno/SundhedsFremme/kkh/R/henv.tex`

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Contents

Chapter 1

Dannelse af data

På baggrund af analyser fra Stine Scheuer (SzyS) gendannes datasættet for henvendelserne på rode niveau, hvor et datasæt med en observation per kombination af køn, alder og rode dannes:

```
1                                  "Program: nyimp.sas"           17:17 Friday, July 25, 2014

NOTE: Copyright (c) 2002-2008 by SAS Institute Inc., Cary, NC, USA.
NOTE: SAS (r) Proprietary Software 9.2 (TS2M3)
      Licensed to NOVO NORDISK - BASIC PACKAGE, Site 50800704.
NOTE: This session is executing on the W32_VSPRO  platform.



NOTE: SAS initialization used:
      real time           1.95 seconds
      cpu time            0.29 seconds


NOTE: AUTOEXEC processing beginning; file is c:\stat\sas\autoexec.sas.

-------------------------------------------------------------
C:\Bendix\Steno\SundhedsFremme\kkh\sas\nyimp.sas
-------------------------------------------------------------
NOTE: Libref HER was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\sas
NOTE: Libref DATA was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data

NOTE: AUTOEXEC processing completed.

1          libname bef '..\data' ;
NOTE: Libname BEF refers to the same physical library as DATA.
NOTE: Libref BEF was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data
2
3          PROC IMPORT OUT= bef.individ
4                      DATAFILE= "C:\Bendix\Steno\SundhedsFremme\kkh\data\newind.xlsx"
5                      DBMS=EXCEL REPLACE;
6               RANGE="Sheet1$";
7               GETNAMES=YES;
8               MIXED=NO;
9               SCANTEXT=YES;
10              USEDATE=YES;
11              SCANTIME=YES;
12         RUN;

NOTE: BEF.INDIVID data set was successfully created.
NOTE: PROCEDURE IMPORT used (Total process time):
      real time           1.82 seconds
      cpu time            0.48 seconds


13
14         proc contents  data = bef.individ  position ;
15         run ;

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time           0.03 seconds
      cpu time            0.03 seconds
```

```
NOTE: The PROCEDURE CONTENTS printed pages 1-2.

16
17         /*********************************************************************
18         Nyt forløbsdatasæt.
19         Datasættet indeholder een obs per person.
20         Alder dannes som i programmet 1_datasæt_ind.sas (med samme random
21         seed) således at counts af antallet af henvendelser af de forskellige
22         typer kan parres med det oprindelige datasæt bef.bef3, hvor
23         observationerne er klassificeret af
24         køn (sex), alder (alder) og rode (rod1)
25         og hvor antallet af personer i hver obs er n
26         og det totale antal henviste er n_henvis2
27
28         Således skal vi kunne merge med bef3 og genfinde n som summen af
29         lhnv, hhnv, shnv og jhnv.
30         *********************************************************************/
31
32         data bef.individ ;
33          set bef.individ ( rename = ( Mand__1___kvinde__0_ = sex
34                                                 bop_ls_rode = rod1
35                                     Henvist_fra_hospital = hhnv /* Henvist fra hospital */
36                                    Henvist_fra_egen_l_ge = lhnv /* Henvist fra egen læge */
37                                           Selvhenvender = shnv /* Selvhenvender */
38                                    Henvist_fra_jobcenter = jhnv /* Henvist fra jobcenter */
39                                                          ) ) ;
40         keep sex rod1 alder nyhenv hhnv lhnv shnv jhnv ups ;
41         /*Her slettes de to respondenter med missing på alle værdier */
42         if F_lgenr = . then delete ;
43
44         /*Aldersvariabel dannes*/
45         if _8_29_Ja__1__Nej__0_=1 then al=1;
46         if _0_39=1 then al=2;
47         if _0_49=1 then al=3;
48         if _0_59=1 then al=4;
49         if _0_69=1 then al=5;
50         if _0_79=1 then al=6;
51         if _0_89=1 then al=7;
52         if _0_99=1 then al=8;
53
54         /* Alderm: midtpunkt for alderskategorierne */
55         if al=1 then alderm=24;
56         if al=2 then alderm=35;
57         if al=3 then alderm=45;
58         if al=4 then alderm=55;
59         if al=5 then alderm=65;
60         if al=6 then alderm=75;
61         if al=7 then alderm=85;
62         if al=8 then alderm=95;
63
64         /* Alderk=kontinuert aldervariabel:
65            Ranuni() funtionen vælger et tilfældigt tal mellem 0 og 1.
66            10 årsintervaller ganges med 10 og 12 årsintervallet ganges med 12*/
67         if al > 1 then alder = alderm + ((ranuni(672962839)-0.5)*10);
68         if al = 1 then alder = alderm + ((ranuni(725483927)-0.5)*12);
69
70         /* En tilfældig værdi af alder indenfor respondenternes aldersinterval er blevet tildelt
71            respondenterne. For tre kombinationer af alder, rode og køn findes der ingen personer i
72            den givne rode. Disse respondenter får tildelt en anden tilfældig alder */
73         if sex=1 and alder=79 and rod1=253 then alder=alderm +((ranuni(535315)-0.5)*10);
74         if sex=1 and alder=79 and rod1=270 then alder=alderm +((ranuni(8263745)-0.5)*10);
75         if sex=1 and alder=86 and rod1=278 then alder=alderm +((ranuni(784392)-0.5)*10);
76
77         alder = floor(  alder ) ;
78         nyhenv = 1 ;
79         ups = nyhenv - ( hhnv+lhnv+shnv+jhnv ) ;
80         run;

NOTE: There were 349 observations read from the data set BEF.INDIVID.
NOTE: The data set BEF.INDIVID has 347 observations and 9 variables.
NOTE: DATA statement used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


81
82         title "Individ datasæt" ;
83         proc tabulate  data = bef.individ  noseps  formchar="           " ;
84           var sex alder rod1 ;
85           table (n nmiss) * ( sex alder rod1 ) * f=8.
86                 / rts=10 ;
87         run ;

NOTE: There were 347 observations read from the data set BEF.INDIVID.
NOTE: The PROCEDURE TABULATE printed page 3.
NOTE: PROCEDURE TABULATE used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds
```

```
88
89         proc summary data = bef.individ  nway ;
90             class sex alder rod1 ;
91             var nyhenv hhnv lhnv shnv jhnv ups ;
92             output out = bef.sind
93                    sum = ;
94         run ;

NOTE: There were 347 observations read from the data set BEF.INDIVID.
NOTE: The data set BEF.SIND has 326 observations and 11 variables.
NOTE: PROCEDURE SUMMARY used (Total process time):
      real time           0.02 seconds
      cpu time            0.04 seconds


95
96         proc contents data = bef.sind ;
97         run ;

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time           0.00 seconds
      cpu time            0.01 seconds

NOTE: The PROCEDURE CONTENTS printed page 4.

98
99         proc sort  data = bef.bef3 ;
100          by sex alder rod1 ;
101        run ;

NOTE: Input data set is already sorted, no sorting done.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


102
103        data nyana
104             fishy ;
105          merge bef.sind
106                bef.bef3 ( rename = ( dist_c = dist
107                                      sokm = sokm
108                                   ingen_udd = iudd
109                                  ikke_vest_ = ivest
110                                  lav_indkom = lavind
111                                  uf_arbejds = ufarbm
112                                   n_henvis2 = henvis ) ) ;
113          by sex alder rod1 ;
114          keep sex alder rod1
115               nyhenv henvis chk n
116               lhnv hhnv shnv jhnv
117               dist sokm iudd ivest lavind ufarbm ;
118          nyhenv = max( 0, nyhenv ) ;
119            lhnv = max( 0, lhnv ) ;
120            hhnv = max( 0, hhnv ) ;
121            shnv = max( 0, shnv ) ;
122            jhnv = max( 0, jhnv ) ;
123             chk = henvis - nyhenv ;
124          output nyana ;
125          if chk ne 0 then output fishy ;
126        run ;

NOTE: Missing values were generated as a result of performing an operation on missing values.
      Each place is given by: (Number of times) at (Line):(Column).
      3 at 123:19
NOTE: There were 326 observations read from the data set BEF.SIND.
NOTE: There were 6410 observations read from the data set BEF.BEF3.
NOTE: The data set WORK.NYANA has 6413 observations and 17 variables.
NOTE: The data set WORK.FISHY has 314 observations and 17 variables.
NOTE: DATA statement used (Total process time):
      real time           0.03 seconds
      cpu time            0.03 seconds


127
128        title "Analysedatasæt" ;
129        proc contents  data = nyana ;
130        run ;

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time           0.01 seconds
      cpu time            0.00 seconds

NOTE: The PROCEDURE CONTENTS printed page 5.

131
132        proc tabulate  data = nyana  missing  noseps  formchar="          " ;
133          class sex ;
```

```
134          var chk henvis nyhenv ;
135          table sex all,
136                ( henvis nyhenv chk ) * ( min max sum nmiss ) * f = 7.
137                / rts=8 ;
138        run ;

NOTE: There were 6413 observations read from the data set WORK.NYANA.
NOTE: The PROCEDURE TABULATE printed page 6.
NOTE: PROCEDURE TABULATE used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


139
140        title "Sære observationer" ;
141        proc sort  data = fishy ;
142          by rod1 sex alder ;
143        run ;

NOTE: There were 314 observations read from the data set WORK.FISHY.
NOTE: The data set WORK.FISHY has 314 observations and 17 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


144
145        proc print data = fishy ;
146          var alder sex rod1 lhnv hhnv shnv jhnv nyhenv henvis chk ;
147        run ;

NOTE: There were 314 observations read from the data set WORK.FISHY.
NOTE: The PROCEDURE PRINT printed pages 7-10.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


148
149        proc tabulate  data = fishy  missing  noseps  formchar="           " ;
150          class sex ;
151          var chk henvis nyhenv ;
152          table sex all,
153                ( henvis nyhenv chk ) * ( min max sum  ) * f = 7.
154                / rts=8 ;
155        run ;

NOTE: There were 314 observations read from the data set WORK.FISHY.
NOTE: The PROCEDURE TABULATE printed page 11.
NOTE: PROCEDURE TABULATE used (Total process time):
      real time           0.04 seconds
      cpu time            0.03 seconds


156
157        * From the listing of observations with discrepancies we see that it
158          is only one-year differences so it should meka very little
159          difference, hence we output the dataset for analysis by R, that is
160          in xport format ;
161
162        options validvarname=V6 ;
163        libname xptout xport '../data/henv.xpt';
NOTE: Libref XPTOUT was successfully assigned as follows:
      Engine:        XPORT
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data\henv.xpt
164        proc copy in = work
165                out = xptout
166            memtype = data ;
167          select nyana ;
168        run ;

NOTE: Copying WORK.NYANA to XPTOUT.NYANA (memtype=DATA).
NOTE: There were 6413 observations read from the data set WORK.NYANA.
NOTE: The data set XPTOUT.NYANA has 6413 observations and 17 variables.
NOTE: PROCEDURE COPY used (Total process time):
      real time           0.15 seconds
      cpu time            0.00 seconds


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NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414
NOTE: The SAS System used:
      real time           4.64 seconds
      cpu time            1.07 seconds

The SAS System                                                    17:17 Friday, July 25, 2014   1

The CONTENTS Procedure
```

Data Set Name	BEF.INDIVID	Observations	349
Member Type	DATA	Variables	41
Engine	V9	Indexes	0
Created	25. juli 2014 fredag 17:17:05	Observation Length	328
Last Modified	25. juli 2014 fredag 17:17:05	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	8
First Data Page	1
Max Obs per Page	49
Obs in First Data Page	31
Number of Data Set Repairs	0
Filename	C:\Bendix\Steno\SundhedsFremme\kkh\data\individ.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
32	Afsluttet_forl_b_efter_aftale	Num	8			Afsluttet forløb efter aftale
17	Antal_bebo	Num	8			Antal_bebo
24	BOLIGER_U_	Num	8			BOLIGER_U_
26	Besvaret_sp_rgeskema__1___ikke_b	Num	8			Besvaret spørgeskema (1), ikke besvaret (0)
31	Borger_kommer_til_samtale_efter_	Num	8			Borger kommer til samtale efter et eller flere afbud (1), borger
33	Egen_l_ges_ydernummer	Char	26	$26.	$26.	Egen læges ydernummer
2	F2	Num	8			F2
38	F38	Char	1	$1.	$1.	F38
39	F39	Char	1	$1.	$1.	F39
40	F40	Char	1	$1.	$1.	F40
41	F41	Char	1	$1.	$1.	F41
1	F_lgenr	Num	8			Følgenr
28	Gennemf_relse_af_indledende_samt	Num	8			Gennemførelse af indledende samtale (1) Afbud/udeblivelse fra in
35	Henvist_fra_egen_l_ge	Num	8			Henvist fra egen læge
34	Henvist_fra_hospital	Num	8			Henvist fra hospital
37	Henvist_fra_jobcenter	Num	8			Henvist fra jobcenter
4	Husnummer	Char	4	$4.	$4.	Husnummer
19	IKKE_VEST	Num	8			IKKE_VEST
18	IKKE_VEST_	Num	8			IKKE_VEST_
20	INGEN_UDD	Num	8			INGEN_UDD
29	Ikke_besvaret_sp_rgeskema__genne	Num	8			Ikke besvaret spørgeskema, gennemført samtale (1), ikke besvaret
30	Ingen_afbud_ved_indledende_samta	Num	8			Ingen afbud ved indledende samtale (1), et eller flere afbud ved
27	Ja_til_deltagelse__1__Nej__0__ir	Num	8			Ja til deltagelse (1)/Nej (0)/irr (100)
21	LAV_INDKOM	Num	8			LAV_INDKOM
23	MANGLER	Num	8			MANGLER
6	Mand__1___kvinde__0_	Num	8			Mand (1), kvinde (0)
5	Postnummer	Char	4	$4.	$4.	Postnummer
36	Selvhenvender	Num	8			Selvhenvender
25	SoK_score	Num	8			SoK_score
22	UF_ARBEJDS	Num	8			UF_ARBEJDS
3	Vejnavn	Char	19	$19.	$19.	Vejnavn
8	_0_39	Num	8			30-39
9	_0_49	Num	8			40-49
10	_0_59	Num	8			50-59
11	_0_69	Num	8			60-69
12	_0_79	Num	8			70-79
13	_0_89	Num	8			80-89
14	_0_99	Num	8			90-99
7	_8_29_Ja__1__Nej__0_	Num	8			18-29 Ja (1) Nej (0)
15	bop_ls_rode	Num	8			bopæls-rode
16	individuel_afstand_til_center	Num	8			individuel afstand til center

The CONTENTS Procedure

Variables in Creation Order

#	Variable	Type	Len	Format	Informat	Label
1	F_lgenr	Num	8			Følgenr
2	F2	Num	8			F2
3	Vejnavn	Char	19	$19.	$19.	Vejnavn
4	Husnummer	Char	4	$4.	$4.	Husnummer

```
 5 Postnummer                      Char   4 $4.    $4.      Postnummer
 6 Mand__1___kvinde__0_            Num    8                 Mand (1), kvinde (0)
 7 _8_29_Ja__1__Nej__0_            Num    8                 18-29 Ja (1) Nej (0)
 8 _0_39                           Num    8                 30-39
 9 _0_49                           Num    8                 40-49
10 _0_59                           Num    8                 50-59
11 _0_69                           Num    8                 60-69
12 _0_79                           Num    8                 70-79
13 _0_89                           Num    8                 80-89
14 _0_99                           Num    8                 90-99
15 bop_ls_rode                     Num    8                 bopæls-rode
16 individuel_afstand_til_center   Num    8                 individuel afstand til center
17 Antal_bebo                      Num    8                 Antal_bebo
18 IKKE_VEST_                      Num    8                 IKKE_VEST_
19 IKKE_VEST                       Num    8                 IKKE_VEST
20 INGEN_UDD                       Num    8                 INGEN_UDD
21 LAV_INDKOM                      Num    8                 LAV_INDKOM
22 UF_ARBEJDS                      Num    8                 UF_ARBEJDS
23 MANGLER                         Num    8                 MANGLER
24 BOLIGER_U_                      Num    8                 BOLIGER_U_
25 SoK_score                       Num    8                 SoK_score
26 Besvaret_sp_rgeskema__          Num    8                 Besvaret spørgeskema (1), ikke besvaret (0)
   1___ikke_b
27 Ja_til_deltagelse__             Num    8                 Ja til deltagelse (1)/Nej (0)/irr (100)
   1__Nej__0__ir
28 Gennemf_relse_af_               Num    8                 Gennemførelse af indledende samtale
   indledende_samt                                         (1) Afbud/udeblivelse fra in
29 Ikke_besvaret_sp_               Num    8                 Ikke besvaret spørgeskema, gennemført
   rgeskema__genne                                         samtale (1), ikke besvaret
30 Ingen_afbud_ved_                Num    8                 Ingen afbud ved indledende samtale
   indledende_samta                                        (1), et eller flere afbud ved
31 Borger_kommer_til_              Num    8                 Borger kommer til samtale efter
   samtale_efter_                                          et eller flere afbud (1), borger
32 Afsluttet_forl_b_efter_aftale   Num    8                 Afsluttet forløb efter aftale
33 Egen_l_ges_ydernummer           Char  26 $26.   $26.     Egen læges ydernummer
34 Henvist_fra_hospital            Num    8                 Henvist fra hospital
35 Henvist_fra_egen_l_ge           Num    8                 Henvist fra egen læge
36 Selvhenvender                   Num    8                 Selvhenvender
37 Henvist_fra_jobcenter           Num    8                 Henvist fra jobcenter
38 F38                             Char   1 $1.    $1.      F38
39 F39                             Char   1 $1.    $1.      F39
40 F40                             Char   1 $1.    $1.      F40
41 F41                             Char   1 $1.    $1.      F41
Individ datasæt                                                    17:17 Friday, July 25, 2014   3

            N                          NMiss

   Mand                          Mand
   (1),                          (1),
  kvinde             bopæls-   kvinde             bopæls-
   (0)     alder      rode      (0)     alder      rode

      347      347       347         0         0         0

Individ datasæt                                                    17:17 Friday, July 25, 2014   4

The CONTENTS Procedure

Data Set Name        BEF.SIND                          Observations          326
Member Type          DATA                              Variables             11
Engine               V9                                Indexes               0
Created              25. juli 2014 fredag 17:17:05     Observation Length    88
Last Modified        25. juli 2014 fredag 17:17:05     Deleted Observations  0
Protection                                             Compressed            NO
Data Set Type                                          Sorted                NO
Label
Data Representation  WINDOWS_32
Encoding             wlatin1  Western (Windows)


                     Engine/Host Dependent Information

Data Set Page Size          8192
Number of Data Set Pages    4
First Data Page             1
Max Obs per Page            92
Obs in First Data Page      68
Number of Data Set Repairs  0
Filename                    C:\Bendix\Steno\SundhedsFremme\kkh\data\sind.sas7bdat
Release Created             9.0202M3
Host Created                W32_VSPRO


      Alphabetic List of Variables and Attributes

 #    Variable    Type    Len    Label

 5    _FREQ_      Num       8
```

4	_TYPE_	Num	8	
2	alder	Num	8	
7	hhnv	Num	8	Henvist fra hospital
10	jhnv	Num	8	Henvist fra jobcenter
8	lhnv	Num	8	Henvist fra egen læge
6	nyhenv	Num	8	
3	rod1	Num	8	bopæls-rode
1	sex	Num	8	Mand (1), kvinde (0)
9	shnv	Num	8	Selvhenvender
11	ups	Num	8	

The CONTENTS Procedure

Data Set Name	WORK.NYANA	Observations	6413
Member Type	DATA	Variables	17
Engine	V9	Indexes	0
Created	25. juli 2014 fredag 17:17:05	Observation Length	136
Last Modified	25. juli 2014 fredag 17:17:05	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	12288
Number of Data Set Pages	72
First Data Page	1
Max Obs per Page	90
Obs in First Data Page	69
Number of Data Set Repairs	0
Filename	C:\Users\BXC\AppData\Local\Temp\SAS Temporary Files_TD5484\nyana.sas7bdat
Release Created	9.0202M3
Host Created	W32_VSPRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
2	alder	Num	8	BEST12.	BEST32.	
17	chk	Num	8			
15	dist	Num	8			
16	henvis	Num	8			
5	hhnv	Num	8			Henvist fra hospital
11	iudd	Num	8	BEST.		INGEN_UDD
10	ivest	Num	8	BEST.		IKKE_VEST_
8	jhnv	Num	8			Henvist fra jobcenter
12	lavind	Num	8	BEST.		LAV_INDKOM
6	lhnv	Num	8			Henvist fra egen læge
9	n	Num	8	BEST12.		Number_rode
4	nyhenv	Num	8			
3	rod1	Num	8	BEST.		bopæls-rode
1	sex	Num	8	BEST12.	BEST32.	Mand (1), kvinde (0)
7	shnv	Num	8			Selvhenvender
14	sokm	Num	8	BEST.		SOKm
13	ufarbm	Num	8	BEST.		UF_ARBEJDS

	henvis				nyhenv				chk			
	Min	Max	Sum	NMiss	Min	Max	Sum	NMiss	Min	Max	Sum	NMiss
Mand (1), kvinde (0)												
0	0	3	192	1	0	3	192	0	-2	2	1	1
1	0	2	155	2	0	2	155	0	-2	2	2	2
All	0	3	347	3	0	3	347	0	-2	2	3	3

Obs	alder	sex	rod1	lhnv	hhnv	shnv	jhnv	nyhenv	henvis	chk
1	26	0	238	1	0	0	0	1	0	-1
2	27	0	238	0	0	0	0	0	1	1
3	58	0	238	1	0	0	0	1	0	-1
4	59	0	238	1	0	0	0	1	2	1
5	74	0	238	1	0	0	0	1	0	-1
6	75	0	238	1	0	0	0	1	2	1
7	78	0	238	1	0	0	0	1	0	-1
8	79	0	238	0	0	0	0	0	1	1
9	27	1	238	0	0	1	0	1	0	-1
10	28	1	238	0	0	0	0	0	1	1

11	54	1	238	1	0	0	0	1	0	-1
12	55	1	238	0	0	0	0	0	1	1
13	59	1	238	1	0	0	0	1	0	-1
14	60	1	238	0	0	0	0	0	1	1
15	51	0	239	1	0	0	0	1	0	-1
16	52	0	239	0	0	0	0	0	1	1
17	37	1	239	0	0	0	1	1	0	-1
18	38	1	239	0	0	0	0	0	1	1
19	42	1	239	0	0	0	1	1	0	-1
20	43	1	239	0	0	0	0	0	1	1
21	50	1	239	1	0	0	0	1	0	-1
22	51	1	239	0	0	0	0	0	1	1
23	60	1	239	1	0	0	0	1	0	-1
24	61	1	239	0	0	0	0	0	1	1
25	61	0	240	0	0	1	0	1	0	-1
26	62	0	240	0	0	0	0	0	1	1
27	57	1	240	0	0	0	1	1	0	-1
28	58	1	240	0	0	0	0	0	1	1
29	61	1	240	1	0	0	0	1	0	-1
30	62	1	240	0	0	0	0	0	1	1
31	67	1	241	0	1	0	0	1	0	-1
32	68	1	241	0	0	0	0	0	1	1
33	76	1	241	0	1	0	0	1	0	-1
34	77	1	241	0	0	0	0	0	1	1
35	30	1	243	1	0	0	0	1	0	-1
36	31	1	243	0	0	0	0	0	1	1
37	77	1	243	1	0	0	0	1	0	-1
38	78	1	243	0	0	0	0	0	1	1
39	31	0	244	1	0	0	0	1	0	-1
40	32	0	244	0	0	0	0	0	1	1
41	62	0	244	0	1	0	0	1	0	-1
42	63	0	244	0	0	0	0	0	1	1
43	65	0	244	1	0	0	0	1	0	-1
44	66	0	244	0	0	0	0	0	1	1
45	73	0	244	1	0	0	0	1	0	-1
46	74	0	244	0	0	0	0	0	1	1
47	60	1	244	1	0	0	0	1	0	-1
48	61	1	244	0	0	0	0	0	1	1
49	44	0	245	1	0	0	0	1	0	-1
50	45	0	245	0	0	0	0	0	1	1
51	58	0	245	1	0	0	0	1	0	-1
52	59	0	245	0	0	0	0	0	1	1
53	60	1	245	0	1	0	0	1	0	-1
54	62	1	245	1	0	0	0	1	2	1
55	48	1	246	1	0	0	0	1	0	-1
56	49	1	246	0	0	0	0	0	1	1
57	54	1	246	0	0	0	1	1	0	-1
58	55	1	246	0	0	0	0	0	1	1
59	58	1	246	1	1	0	0	2	0	-2
60	59	1	246	0	0	0	0	0	2	2
61	74	1	246	1	0	0	0	1	0	-1
62	75	1	246	0	0	0	0	0	1	1
63	57	0	247	1	0	0	0	1	0	-1
64	58	0	247	0	0	0	0	0	1	1
65	71	0	247	2	0	0	0	2	1	-1
66	72	0	247	0	0	0	0	0	1	1
67	79	0	247	1	0	0	0	1	0	-1
68	80	0	247	0	0	0	0	0	1	1
69	50	1	247	1	0	0	0	1	0	-1
70	51	1	247	0	0	0	0	0	1	1
71	47	0	248	0	1	0	0	1	0	-1
72	48	0	248	0	0	0	0	0	1	1
73	45	0	249	0	0	0	1	1	0	-1
74	46	0	249	0	0	0	0	0	1	1
75	53	0	249	1	0	0	0	1	0	-1
76	54	0	249	0	0	0	0	0	1	1
77	56	0	249	0	0	1	0	1	0	-1
78	57	0	249	0	0	0	0	0	1	1
79	59	0	249	0	0	1	0	1	0	-1
80	60	0	249	0	0	0	0	0	1	1
81	66	0	249	1	0	0	0	1	0	-1
82	67	0	249	0	0	0	0	0	1	1
83	86	0	249	1	1	0	0	2	1	-1
84	87	0	249	0	1	0	0	1	2	1
85	89	0	249	1	0	0	0	1	0	-1
86	90	0	249	0	0	0	0	0	1	1
87	53	1	249	0	0	0	1	1	0	-1
88	54	1	249	0	0	0	0	0	1	1
89	73	1	249	0	0	1	0	1	0	-1
90	75	1	249	0	1	0	0	1	2	1
91	76	1	249	2	0	0	0	2	1	-1
92	77	1	249	1	0	0	0	1	2	1
93	71	0	250	1	0	0	0	1	0	-1
94	72	0	250	0	0	0	0	0	1	1
95	86	0	251	0	1	0	0	1	.	.
96	87	0	251	0	0	0	0	0	1	1
97	74	0	252	0	1	0	0	1	0	-1
98	75	0	252	0	0	0	0	0	1	1

Obs	alder	sex	rod1	lhnv	hhnv	shnv	jhnv	nyhenv	henvis	chk
99	56	1	252	0	1	0	0	1	0	-1
100	57	1	252	0	0	0	0	0	1	1
101	52	0	253	0	0	1	0	1	0	-1
102	53	0	253	0	0	0	0	0	1	1
103	61	1	253	0	1	0	0	1	0	-1
104	62	1	253	0	0	0	0	0	1	1
105	65	1	253	0	1	0	0	1	0	-1
106	66	1	253	0	0	0	0	0	1	1
107	70	1	253	0	0	0	0	0	1	1
108	72	1	253	0	0	0	0	0	1	1
109	79	1	253	1	1	0	0	2	0	-2
110	30	0	254	0	0	0	1	1	0	-1
111	31	0	254	0	0	0	0	0	1	1
112	36	0	254	0	0	0	1	1	0	-1
113	37	0	254	0	0	0	0	0	1	1
114	54	0	254	1	0	0	0	1	0	-1
115	55	0	254	0	0	0	0	0	1	1
116	62	0	254	1	0	0	0	1	0	-1
117	63	0	254	0	0	0	0	0	1	1
118	65	0	254	1	0	0	0	1	0	-1
119	66	0	254	0	0	0	0	0	1	1
120	60	1	254	1	0	0	0	1	0	-1
121	61	1	254	0	0	0	0	0	1	1
122	66	1	254	1	1	0	0	2	1	-1
123	67	1	254	0	0	0	0	0	1	1
124	68	1	254	0	1	0	0	1	0	-1
125	69	1	254	0	0	0	0	0	1	1
126	54	0	255	1	0	0	0	1	0	-1
127	55	0	255	0	0	0	0	0	1	1
128	34	1	255	1	0	0	0	1	0	-1
129	35	1	255	0	0	0	0	0	1	1
130	38	1	255	1	0	0	0	1	0	-1
131	39	1	255	0	0	0	0	0	1	1
132	79	1	255	1	0	0	0	1	0	-1
133	80	1	255	0	0	0	0	0	1	1
134	65	0	257	1	0	0	0	1	0	-1
135	66	0	257	0	0	0	0	0	1	1
136	66	1	257	1	0	0	0	1	0	-1
137	67	1	257	0	0	0	0	0	1	1
138	64	0	259	1	0	0	0	1	0	-1
139	65	0	259	0	0	0	0	0	1	1
140	41	1	259	1	0	0	0	1	0	-1
141	42	1	259	0	0	0	0	0	1	1
142	61	1	259	2	0	0	0	2	0	-2
143	62	1	259	0	0	0	0	0	2	2
144	32	0	261	0	0	1	0	1	0	-1
145	33	0	261	0	0	0	0	0	1	1
146	52	0	261	1	0	0	0	1	0	-1
147	53	0	261	0	0	0	0	0	1	1
148	61	0	261	1	0	0	0	1	0	-1
149	62	0	261	1	0	0	0	1	2	1
150	67	0	261	0	1	0	0	1	0	-1
151	68	0	261	0	0	0	0	0	1	1
152	79	0	261	0	0	1	0	1	0	-1
153	80	0	261	0	0	0	0	0	1	1
154	38	1	261	1	0	0	0	1	0	-1
155	39	1	261	0	0	0	0	0	1	1
156	64	1	261	1	0	0	0	1	0	-1
157	65	1	261	0	0	0	0	0	1	1
158	85	1	261	1	0	0	0	1	0	-1
159	86	1	261	0	0	0	0	0	1	1
160	44	0	262	0	0	1	0	1	0	-1
161	45	0	262	0	0	0	0	0	1	1
162	62	0	262	1	0	0	0	1	0	-1
163	63	0	262	0	0	0	0	0	1	1
164	64	0	264	1	1	0	0	2	0	-2
165	65	0	264	0	0	0	0	0	2	2
166	76	0	264	0	0	1	0	1	0	-1
167	77	0	264	0	0	0	0	0	1	1
168	60	1	264	1	1	0	0	2	1	-1
169	62	1	264	0	0	0	0	0	1	1
170	28	0	265	0	0	0	1	1	0	-1
171	29	0	265	0	0	0	0	0	1	1
172	31	0	265	0	0	1	0	1	0	-1
173	32	0	265	0	0	0	0	0	1	1
174	49	0	265	1	0	0	0	1	0	-1
175	50	0	265	0	0	0	0	0	1	1
176	51	0	265	1	0	0	0	1	0	-1
177	52	0	265	0	0	0	0	0	1	1
178	71	0	265	1	0	0	0	1	0	-1
179	72	0	265	0	0	0	0	0	1	1
180	53	1	265	0	1	0	0	1	0	-1
181	54	1	265	0	0	0	0	0	1	1
182	52	0	266	1	0	0	0	1	0	-1
183	53	0	266	0	0	0	0	0	1	1
184	68	0	266	1	0	0	0	1	0	-1

185	69	0	266	0	0	0	0	0	1	1
186	29	1	266	0	0	1	0	1	0	-1
187	30	1	266	0	0	0	0	0	1	1
188	50	1	266	0	1	0	0	1	0	-1
189	51	1	266	0	0	0	0	0	1	1
190	71	1	266	0	1	0	0	1	0	-1
191	72	1	266	0	0	0	0	0	1	1
192	44	0	267	0	0	0	1	1	0	-1
193	45	0	267	0	0	0	0	0	1	1
194	47	0	267	1	0	0	0	1	0	-1
195	49	0	267	0	0	0	0	0	1	1
196	54	0	267	1	0	0	0	1	0	-1

Obs	alder	sex	rod1	lhnv	hhnv	shnv	jhnv	nyhenv	henvis	chk
197	55	0	267	0	0	0	0	0	1	1
198	58	0	267	0	1	0	0	1	0	-1
199	59	0	267	0	0	0	0	0	1	1
200	60	0	267	0	0	0	1	1	0	-1
201	61	0	267	0	0	0	0	0	1	1
202	71	0	267	0	1	0	0	1	0	-1
203	72	0	267	0	0	0	0	0	1	1
204	75	0	267	1	0	0	0	1	0	-1
205	77	0	267	0	0	0	0	0	1	1
206	36	1	267	1	0	0	0	1	0	-1
207	37	1	267	0	0	0	0	0	1	1
208	44	1	267	1	1	0	0	2	0	-2
209	45	1	267	0	0	0	0	0	2	2
210	59	1	267	0	0	0	1	1	0	-1
211	60	1	267	0	0	0	0	0	1	1
212	63	1	267	1	0	0	0	1	0	-1
213	64	1	267	0	0	0	0	0	1	1
214	84	1	267	0	1	0	0	1	0	-1
215	85	1	267	0	0	0	0	0	1	1
216	55	0	268	2	0	0	0	2	1	-1
217	56	0	268	0	0	0	0	0	1	1
218	66	0	268	1	0	0	0	1	0	-1
219	67	0	268	0	0	0	0	0	1	1
220	71	0	268	1	0	0	0	1	0	-1
221	72	0	268	0	0	0	0	0	1	1
222	43	0	269	0	0	1	0	1	0	-1
223	44	0	269	0	0	0	0	0	1	1
224	54	0	269	0	0	1	0	1	0	-1
225	56	0	269	0	0	0	0	0	1	1
226	42	1	269	1	0	0	0	1	0	-1
227	43	1	269	0	0	0	0	0	1	1
228	57	1	269	1	0	0	0	1	0	-1
229	58	1	269	0	0	0	0	0	1	1
230	75	1	269	0	0	1	0	1	0	-1
231	76	1	269	0	0	0	0	0	1	1
232	42	0	270	1	0	0	0	1	0	-1
233	43	0	270	0	0	0	0	0	1	1
234	65	0	270	1	0	0	0	1	0	-1
235	66	0	270	0	0	0	0	0	1	1
236	73	0	270	1	0	0	0	1	0	-1
237	74	0	270	0	0	0	0	0	1	1
238	71	1	270	1	0	0	0	1	0	-1
239	72	1	270	0	0	0	0	0	1	1
240	75	1	270	0	0	0	0	0	1	1
241	79	1	270	0	0	1	0	1	.	.
242	59	0	271	0	0	1	0	1	0	-1
243	60	0	271	0	0	0	0	0	1	1
244	64	0	271	1	0	0	0	1	0	-1
245	65	0	271	1	0	0	0	1	2	1
246	53	1	271	1	0	0	0	1	0	-1
247	54	1	271	0	0	0	0	0	1	1
248	61	1	271	1	0	0	0	1	0	-1
249	62	1	271	0	0	0	0	0	1	1
250	72	1	271	1	0	0	0	1	0	-1
251	73	1	271	1	0	0	0	1	2	1
252	74	1	271	2	0	0	0	2	1	-1
253	75	1	271	0	0	0	0	0	1	1
254	42	0	273	1	0	0	0	1	0	-1
255	43	0	273	0	0	0	0	0	1	1
256	64	1	273	1	0	0	0	1	0	-1
257	65	1	273	0	0	0	0	0	1	1
258	28	0	274	0	0	0	1	1	0	-1
259	29	0	274	0	0	0	0	0	1	1
260	64	0	274	1	0	0	0	1	0	-1
261	65	0	274	0	0	0	0	0	1	1
262	47	1	274	1	0	0	0	1	0	-1
263	48	1	274	0	0	0	0	0	1	1
264	66	1	274	0	1	0	0	1	0	-1
265	67	1	274	0	0	0	0	0	1	1
266	23	0	275	0	0	1	0	1	0	-1
267	24	0	275	0	0	0	0	0	1	1
268	68	0	275	1	0	0	0	1	0	-1
269	69	0	275	0	0	0	0	0	1	1

270	62	1	275	0	1	0	0	1	0	-1
271	63	1	275	1	0	0	0	1	2	1
272	69	0	276	1	0	0	0	1	0	-1
273	70	0	276	0	0	0	0	0	1	1
274	44	1	276	1	0	0	0	1	0	-1
275	45	1	276	0	0	0	0	0	1	1
276	56	1	276	1	0	0	0	1	0	-1
277	57	1	276	0	0	0	0	0	1	1
278	57	0	277	0	0	1	0	1	0	-1
279	58	0	277	0	0	0	0	0	1	1
280	40	1	277	1	0	0	0	1	0	-1
281	41	1	277	0	0	0	0	0	1	1
282	60	1	277	1	0	0	0	1	0	-1
283	61	1	277	0	0	0	0	0	1	1
284	64	1	278	1	0	0	0	1	0	-1
285	65	1	278	0	0	0	0	0	1	1
286	82	1	278	0	0	0	0	0	1	1
287	86	1	278	1	0	0	0	1	.	.
288	39	0	284	0	0	1	0	1	0	-1
289	40	0	284	0	0	0	0	0	1	1
290	51	0	284	0	1	0	0	1	0	-1
291	52	0	284	0	0	0	0	0	1	1
292	54	0	284	1	0	0	0	1	0	-1
293	55	0	284	0	0	0	0	0	1	1
294	81	0	284	1	0	0	0	1	0	-1

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Obs	alder	sex	rod1	lhnv	hhnv	shnv	jhnv	nyhenv	henvis	chk
295	82	0	284	0	0	0	0	0	1	1
296	56	0	285	0	1	0	0	1	0	-1
297	57	0	285	0	0	0	0	0	1	1
298	60	0	285	1	0	0	0	1	0	-1
299	62	0	285	2	0	0	0	2	1	-1
300	63	0	285	0	0	0	0	0	2	2
301	42	1	285	1	0	0	0	1	0	-1
302	43	1	285	0	0	0	0	0	1	1
303	53	0	306	1	0	0	0	1	0	-1
304	54	0	306	0	0	0	0	0	1	1
305	41	1	306	0	0	0	1	1	0	-1
306	43	1	306	0	0	0	0	0	1	1
307	53	1	306	1	0	0	0	1	0	-1
308	54	1	306	0	0	0	0	0	1	1
309	62	1	306	1	0	0	0	1	0	-1
310	63	1	306	0	0	0	0	0	1	1
311	74	1	306	1	0	0	0	1	0	-1
312	75	1	306	0	0	0	0	0	1	1
313	76	1	306	1	0	0	0	1	0	-1
314	77	1	306	0	0	0	0	0	1	1

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	henvis			nyhenv			chk		
	Min	Max	Sum	Min	Max	Sum	Min	Max	Sum
Mand (1), kvinde (0)									
0	0	2	93	0	2	93	-2	2	1
1	0	2	87	0	2	87	-2	2	2
All	0	2	180	0	2	180	-2	2	3

Af de seneste tabeller ses at der er en mindre uoverensstemmelse mellem de data SzyS havde genereret og de data der indlæses og dannes fra den seneste database hvor henvendelserne er klassificeret efter type. Afvigelserne er alle afvigelser på et år i den genererede aldersklasse, som formentlig skyldes forskelle i random-number genereringen mellem denne computer of SzuSs.

1.1 Analysedata

Formålet med disse analyser er at vise hvorledes sandsynligheden for at en boregr henvises afhænger af rodernes karakteristika f.s.a. sociale faktorers fordeling (herunder opsummeret i en SØK-score) samt af rodens afstand til socialcentret.

Først indlæser vi datasættet:

```
> library( foreign )
> library( Epi )
> henv <- read.xport( "../data/henv.xpt" )
> names( henv ) <- tolower( names(henv) )
> henv$sex <- factor( henv$sex, levels=1:0, labels=c("M","K") )
> henv <- subset( henv, n>=nyhenv )
> str( henv )
  'data.frame':        6409 obs. of  17 variables:
   $ sex   : Factor w/ 2 levels "M","K": 2 2 2 2 2 2 2 2 2 2 ...
   $ alder : num  18 18 18 18 18 18 18 18 18 18 ...
   $ rod1  : num  238 239 240 241 243 244 245 246 247 248 ...
   $ nyhenv: num  0 0 0 0 0 0 0 0 0 0 ...
   $ hhnv  : num  0 0 0 0 0 0 0 0 0 0 ...
   $ lhnv  : num  0 0 0 0 0 0 0 0 0 0 ...
   $ shnv  : num  0 0 0 0 0 0 0 0 0 0 ...
   $ jhnv  : num  0 0 0 0 0 0 0 0 0 0 ...
   $ n     : num  19 16 11 8 3 2 9 3 9 6 ...
   $ ivest : num  2 3 2 2 3 3 3 3 3 2 ...
   $ iudd  : num  1 3 2 1 3 3 3 3 4 1 ...
   $ lavind: num  1 2 1 1 2 2 2 2 3 2 ...
   $ ufarbm: num  3 4 1 3 3 3 3 2 4 3 ...
   $ sokm  : num  7 12 6 7 11 11 11 10 14 8 ...
   $ dist  : num  1.05 0.797 1.607 1.203 0.776 ...
   $ henvis: num  0 0 0 0 0 0 0 0 0 0 ...
   $ chk   : num  0 0 0 0 0 0 0 0 0 0 ...
```

For en sikkerheds skyld ser vi lige på alders-fordelingen i alle roder, i en såkaldt befolkningspyramide:

```
> pop <- xtabs( n ~ alder + sex, data=henv )
> str( pop )
   xtabs [1:87, 1:2] 433 424 503 562 653 664 648 636 652 654 ...
   - attr(*, "dimnames")=List of 2
    ..$ alder: chr [1:87] "18" "19" "20" "21" ...
    ..$ sex  : chr [1:2] "M" "K"
   - attr(*, "class")= chr [1:2] "xtabs" "table"
   - attr(*, "call")= language xtabs(formula = n ~ alder + sex, data = henv)
> pfig <- function()
+ {
+ par( mar=c(3,3,1,1), mgp=c(3,1,0)/1.6, bty="n", las=1 )
+ clr <- c("red","blue")
+ lim <- 700
+ barplot( height=t( cbind(-pop[,"M"],pop) ),
+          horiz=TRUE, col=clr,
+          border="transparent",space=0,axes=FALSE,
+          names.arg=rep("",dim(pop)[1]),
+          xlim=c(-1,1)*lim*1.05,
+          xlab="Personer i 1 års klasser",ylab="Alder")
+ abline(h=seq(0,100,5),
+        v=seq(-lim,lim,100),
+        col="white")
+ axis( side=1, at=seq(-lim,lim,100), labels=FALSE )
+ axis( side=1, at=seq(-600,600,200), labels=abs(seq(-600,600,200)) )
+ axis( side=2, at=seq(0,90,10) )
+ abline( v=0 )
+ }
> pfig()


> win.metafile( "../graph/pop-pyr.emf", width=9 )
> pfig()
> dev.off()
  null device
            1
```

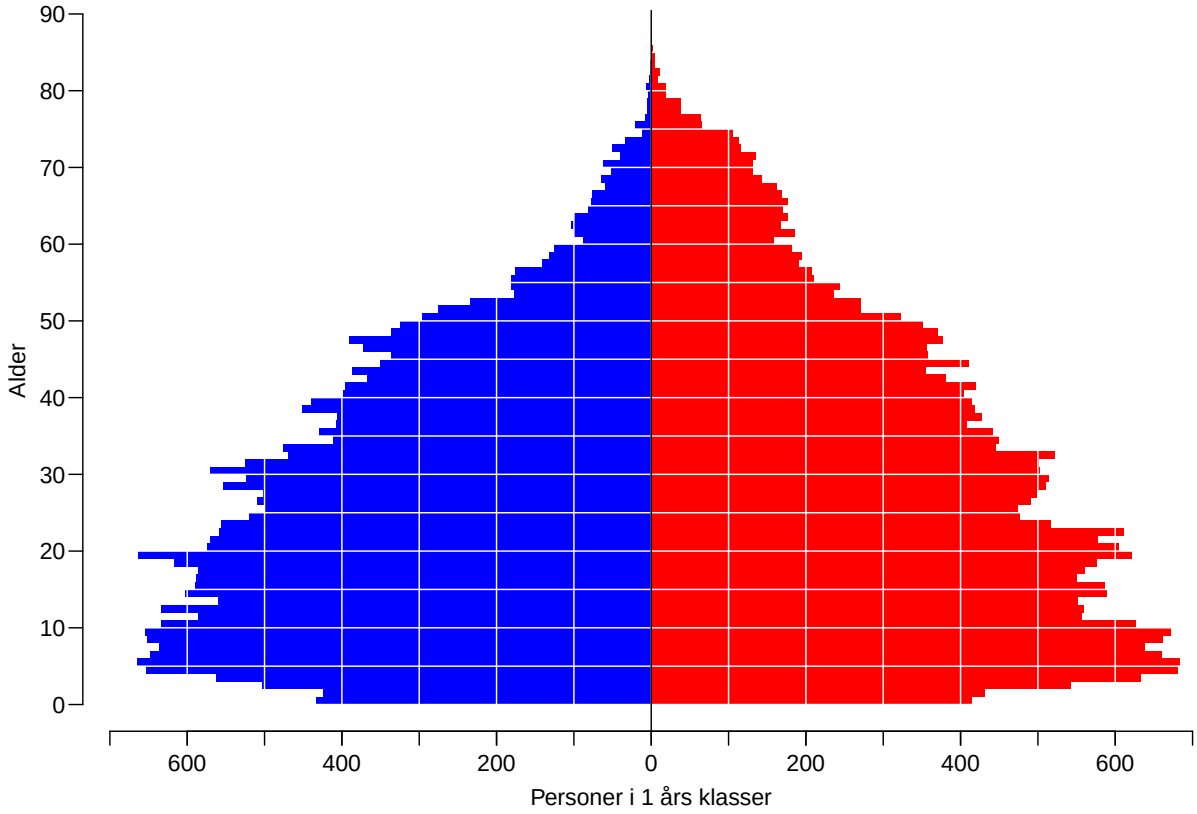

Figure 1.1: *Befolkningspyramide for Vanløse*

Chapter 2

Analyser af henvisnings-hyppigheden

2.1 Alle henvisninger

Analyse af alle henvisninger forgår efter samme model som anvendt i den tidligere rapport; en logistisk regressions model hvor effekten af alder modelleres kvadratisk og der kontrolleres for afastand fra sundhedscentret (`dist`) of socio-økonomisk score (`sokm`). En alternativ analyse inddrager de 4 komponenter af af scoren separat:

```
> m1 <- glm( cbind(nyhenv,n-nyhenv) ~
+            sex + alder + I(alder^2) + I(sokm/5) + dist,
+            family = binomial,
+            data = henv )
> m2 <- update( m1, . ~ . - I(sokm/5) + ivest + iudd + lavind + ufarbm )
> round( ci.exp( m1 ), 3 )
              exp(Est.)  2.5% 97.5%
  (Intercept)     0.000 0.000 0.000
  sexK            1.131 0.911 1.404
  alder           1.288 1.227 1.353
  I(alder^2)      0.998 0.998 0.999
  I(sokm/5)       1.399 1.193 1.640
  dist            0.798 0.701 0.909

> round( ci.exp( m2 ), 3 )

              exp(Est.)  2.5% 97.5%
  (Intercept)     0.000 0.000 0.000
  sexK            1.127 0.908 1.399
  alder           1.289 1.227 1.354
  I(alder^2)      0.998 0.998 0.999
  dist            0.767 0.669 0.879
  ivest           1.306 1.010 1.689
  iudd            1.199 0.978 1.469
  lavind          0.958 0.774 1.186
  ufarbm          0.897 0.747 1.079
```

Af ovenstående ses at odds for henvisning falder med en faktor ca. 0.75 pr. kilometers afstand fra centret, og stiger med en faktor 1.4 pr. 5 enheder af socioøkonomisk score. Den øverste tabel svarer til resultaterne i SzySs rapport, p. 14, den nederste ikke til nogen tabel, men viser at det især ef faktorerne "andel uden uddannaelse" (`iudd`) og "andel ikke vestlig oprindelse" (`ivest`) som på rode-niveau er prædiktive for hennvising.

Tabellen på s. 16 i rapporten hvor de enkelte niveauer af score-variablene modelleres separat er:

```
> m3 <- update( m1, . ~ . - I(sokm/5)
+                         + relevel(factor(ivest) ,2)
+                         + relevel(factor(iudd)  ,3)
+                         + relevel(factor(lavind),2)
+                         + relevel(factor(ufarbm),3) )
> round( ci.exp(m3), 3 )
                               exp(Est.)  2.5%  97.5%
  (Intercept)                      0.000 0.000  0.000
  sexK                             1.126 0.907  1.398
  alder                            1.284 1.222  1.349
  I(alder^2)                       0.998 0.998  0.999
  dist                             0.801 0.665  0.965
  relevel(factor(ivest), 2)2       0.568 0.389  0.830
  relevel(factor(ivest), 2)4       0.600 0.169  2.138
  relevel(factor(ivest), 2)5       0.440 0.131  1.476
  relevel(factor(iudd), 3)1        1.430 0.776  2.635
  relevel(factor(iudd), 3)2        1.164 0.760  1.782
  relevel(factor(iudd), 3)4        1.580 0.952  2.621
  relevel(factor(iudd), 3)5        5.073 1.807 14.238
  relevel(factor(lavind), 2)1      0.736 0.432  1.254
  relevel(factor(lavind), 2)3      0.653 0.401  1.063
  relevel(factor(lavind), 2)4      0.668 0.317  1.405
  relevel(factor(lavind), 2)5      0.690 0.317  1.502
  relevel(factor(ufarbm), 3)1      1.222 0.670  2.229
  relevel(factor(ufarbm), 3)2      1.360 0.941  1.964
  relevel(factor(ufarbm), 3)4      0.919 0.579  1.457
  relevel(factor(ufarbm), 3)5      1.204 0.519  2.792
```

Det bemærkes at der formentlig er en trykfejl i rapporten idet estimaterne for ikke-vestlige ikke er overenesstemmelse med out-put fra det oprindelige SAS-program.

2.1.1 Prædikteret henvisningssandsynlighed: alder

Hvis vi vil illustrere hvorledes henvisningssandsynligheden afhænger af alderen må vi fastsætte værdier for de øvrige variable hvor vil vil foretage prædiktionen:

```
> nd <- data.frame( alder = 20:90,
+                       sex = factor(1, levels=1:2, labels=c("M","K")),
+                     dist = 2,
+                     sokm = 11,
+                     iudd = 3,
+                    ivest = 3,
+                   lavind = 2,
+                   ufarbm = 3 )
> # Small function to convert odds to probabilities
> o2p <- function( o ) o/(1+o)
> pr1 <- o2p( ci.pred( m1, newdata=nd ) )
> pr2 <- o2p( ci.pred( m2, newdata=nd ) )
```

Once we have these predictions, we can plot them together:

```
> par( mar=c(3,3,1,1), mgp=c(3,1,0)/1.6, las=1, bty="n" )
> matplot( nd$alder, cbind( pr1, pr2 )*100,
+          type="l", lty=rep(1:2,each=3), col="black", lwd=c(4,2,2),
+          xlab="Alder", ylab="Ssh. for henvisning (%)" )
```

2.2 Henvisningstyper

Først laves en tabel over antallet af henvisninger efter køn, alder og hevisningstype:

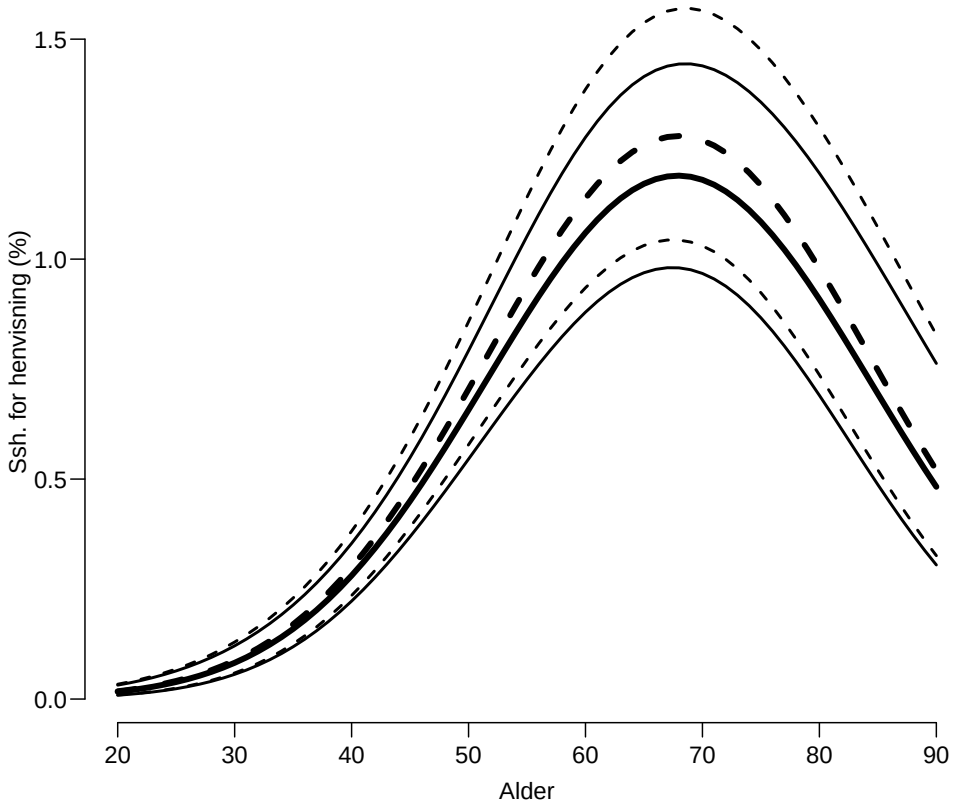

Figure 2.1: *Estimeret henvisings-sandsynlighed som funktion af alderen (95% c.i.), for modellen med SOC-score (fuld optrukket) hhv. med enkelt komponenterne (stiplet linje). Sandsynligheden referer til en mand fra en rode med SØK-score 11, og afstand 2 km til socialcentret.*

```
> ftable( addmargins(
+ xtabs( cbind(hhnv,lhnv,jhnv,shnv) ~ sex + I(floor(alder/10)*10),
+        data = henv ), margin = 2:3 ) )
                            hhnv lhnv jhnv shnv Sum
  sex I(floor(alder/10) * 10)
  M   10                       0    0    0    0   0
      20                       0    0    0    2   2
      30                       0    6    2    0   8
      40                       2   13    3    2  20
      50                       9   21    6    1  37
      60                      12   38    0    3  53
      70                       3   22    0    2  27
      80                       1    3    0    0   4
      90                       0    0    0    0   0
      100                      0    0    0    0   0
      Sum                     27  103   11   10 151
  K   10                       0    0    0    0   0
      20                       0    2    4    2   8
      30                       0    3    4    6  13
      40                       2   16    3    3  24
      50                       6   27    2    9  44
      60                       9   38    1    5  53
      70                       3   31    0    3  37
      80                       5    6    0    0  11
      90                       0    1    0    0   1
      100                      0    0    0    0   0
```

```
      Sum                        25  124   14   28 191
```

```
> addmargins( xtabs( cbind(hhnv,lhnv,jhnv,shnv) ~ sex, data = henv ) )
```

```
  sex   hhnv lhnv jhnv shnv Sum
    M     27  103   11   10 151
    K     25  124   14   28 191
    Sum   52  227   25   38 342
```

Vi ser at der er ganske få henvisninger fra jobcentre, lidt flere selv henvendede og lidt flere henvisninger fra hospitalerne, mens langt den største gruppe udgøres af de lægehenviste (229/347=66%).

Analyserne af de forskellige henvisninigstyper foregår simpelt hen ved opdatere de to netop fittede modeller med et nyt outcome:

2.2.1 Læge henvisning

```
> l1 <- update( m1, cbind(lhnv,n-lhnv) ~ . )
> l2 <- update( m2, cbind(lhnv,n-lhnv) ~ . )
> round( ci.exp(l1), 3 )
```

```
             exp(Est.)  2.5% 97.5%
  (Intercept)     0.000 0.000 0.000
  sexK            1.059 0.813 1.380
  alder           1.379 1.283 1.481
  I(alder^2)      0.998 0.997 0.998
  I(sokm/5)       1.403 1.153 1.708
  dist            0.748 0.638 0.877
```

```
> round( ci.exp(l2), 3 )
```

```
             exp(Est.)  2.5% 97.5%
  (Intercept)     0.000 0.000 0.000
  sexK            1.055 0.810 1.374
  alder           1.381 1.285 1.483
  I(alder^2)      0.998 0.997 0.998
  dist            0.717 0.607 0.847
  ivest           1.290 0.943 1.765
  iudd            1.221 0.951 1.568
  lavind          0.999 0.766 1.301
  ufarbm          0.857 0.685 1.071
```

2.2.2 Hospitals henvisning

```
> h1 <- update( m1, cbind(hhnv,n-hhnv) ~ . )
> h2 <- update( m2, cbind(hhnv,n-hhnv) ~ . )
> round( ci.exp(h1), 3 )
```

```
             exp(Est.)  2.5% 97.5%
  (Intercept)     0.000 0.000 0.000
  sexK            0.810 0.468 1.402
  alder           1.572 1.290 1.917
  I(alder^2)      0.997 0.995 0.998
  I(sokm/5)       1.500 1.001 2.247
  dist            0.947 0.672 1.336
```

```
> round( ci.exp(h2), 3 )
```

```
             exp(Est.)  2.5% 97.5%
(Intercept)      0.000 0.000 0.000
sexK             0.804 0.464 1.392
alder            1.570 1.287 1.914
I(alder^2)       0.997 0.995 0.998
dist             0.908 0.635 1.297
ivest            1.369 0.704 2.660
iudd             1.403 0.810 2.430
lavind           0.829 0.492 1.397
ufarbm           0.904 0.549 1.488
```

2.2.3 Jobcenter henvisning

```
> j1 <- update( m1, cbind(jhnv,n-jhnv) ~ . )
> j2 <- update( m2, cbind(jhnv,n-jhnv) ~ . )
> round( ci.exp(j1), 3 )
             exp(Est.)  2.5% 97.5%
(Intercept)      0.000 0.000 0.000
sexK             1.306 0.593 2.879
alder            1.388 1.104 1.746
I(alder^2)       0.996 0.994 0.999
I(sokm/5)        2.258 1.179 4.326
dist             0.748 0.451 1.240
> round( ci.exp(j2), 3 )
             exp(Est.)  2.5% 97.5%
(Intercept)      0.000 0.000 0.000
sexK             1.275 0.578 2.811
alder            1.373 1.092 1.726
I(alder^2)       0.996 0.994 0.999
dist             0.806 0.470 1.383
ivest            1.075 0.429 2.690
iudd             1.754 0.755 4.072
lavind           0.615 0.304 1.246
ufarbm           1.710 0.755 3.873
```

2.2.4 Selv-henvendelse

```
> s1 <- update( m1, cbind(shnv,n-shnv) ~ . )
> s2 <- update( m2, cbind(shnv,n-shnv) ~ . )
> round( ci.exp(s1), 3 )
             exp(Est.)  2.5% 97.5%
(Intercept)      0.000 0.000 0.000
sexK             2.638 1.279 5.444
alder            1.137 1.020 1.268
I(alder^2)       0.999 0.998 1.000
I(sokm/5)        0.907 0.576 1.428
dist             0.927 0.634 1.355
> round( ci.exp(s2), 3 )
             exp(Est.)  2.5% 97.5%
(Intercept)      0.000 0.000 0.000
sexK             2.647 1.283 5.464
alder            1.146 1.027 1.279
I(alder^2)       0.999 0.998 1.000
dist             0.853 0.562 1.296
ivest            1.351 0.602 3.033
iudd             0.704 0.404 1.228
lavind           1.283 0.682 2.414
ufarbm           0.821 0.501 1.347
```

2.3 Sammenligning af effekter

Vi kan sammenligne effekten af køn, afstand of socioøkonomisk score mellem de 4 forskellige udfald og total henvisninger:

```
> clr <- c("black","red","blue","limegreen","orange") # rainbow(4) )
> efig <- function()
+ {
+ par( mar=c(3,3,1,1), mgp=c(3,1,0)/1.6 )
+ cm  <- ci.exp(m1)[c(2,5,6),]
+ rownames( cm ) <- c("Women vs. men","SE-score (per 5)","Distance (per km)")
+  plotEst( cm, txtpos=1:3, y=1:3+0.30, col=clr[1], lwd=4, cex=1.5,
+           xlog=TRUE, xlim=c(0.4,6), ylim=c(0,3)+0.5, vref=1,
+           grid=c(4:10/10,1.5,2:6), xtic=c(0.4,0.7,1,1.5,2,4,6), xlab="Odds-ratio" )
+ axis( side=1, a=c(4:10/10,1.5,2:6), labels=FALSE )
+ linesEst( ci.exp(l1)[c(2,5,6),], y=1:3+0.15, col=clr[2], lwd=4, cex=1.5 )
+ linesEst( ci.exp(h1)[c(2,5,6),], y=1:3+0.00, col=clr[3], lwd=4, cex=1.5 )
+ linesEst( ci.exp(s1)[c(2,5,6),], y=1:3-0.15, col=clr[4], lwd=4, cex=1.5 )
+ linesEst( ci.exp(j1)[c(2,5,6),], y=1:3-0.30, col=clr[5], lwd=4, cex=1.5 )
+ text( rep(6,5), seq(3.5,2.5,,5),
+      c("Total","GP","Hospital","Self-referral","Job centre"),
+       col=clr, adj=1, font=2 )
+ }
> efig()


> win.metafile( "../graph/ests.emf", width=7, height=4 )
> efig()
> dev.off()
  null device
            1
> clr <- gray( c(0,2:5/6) )
> win.metafile( "../graph/ests-gray.emf", width=7, height=4 )
> efig()
> dev.off()
  null device
            1
> clr <- c("black","red","blue","limegreen","orange")
```

I figur **??**, fremgår at kun selvhenvendere skiller sig ud ved at der ikke er nogen sammenhæng med socioøkonomisk status, men derimod med køn, hvor der er større forkomst af kvindelige selvhenvendere.

2.3.1 Alderseffekter

Som ovenfor kan vi vise de forskellige alders-effekter i samme plot for at belyse om henvisningshyppigheden har forkellig aldersafhængighed for forskellige henvisningstyper:

```
> pr1 <- o2p( ci.pred( m1, newdata=nd ) )
> prl <- o2p( ci.pred( l1, newdata=nd ) )
> prh <- o2p( ci.pred( h1, newdata=nd ) )
> prs <- o2p( ci.pred( s1, newdata=nd ) )
> prj <- o2p( ci.pred( j1, newdata=nd ) )


> par( mar=c(3,3,1,1), mgp=c(3,1,0)/1.6, las=1, bty="n" )
> matplot( nd$alder, cbind( pr1, prl, prh, prs, prj )*100,
+          type="l", lty=1, col=rep(clr,each=3), lwd=c(4,2,2),
+          xlab="Alder", ylab="Ssh. for henvisning (%)" )
> text( rep(20,5), seq(1.5,1.1,,5), c("Total","Læge","Hospital","Selv","Jobcenter"),
+       col=clr, adj=c(0,1), font=2 )
```

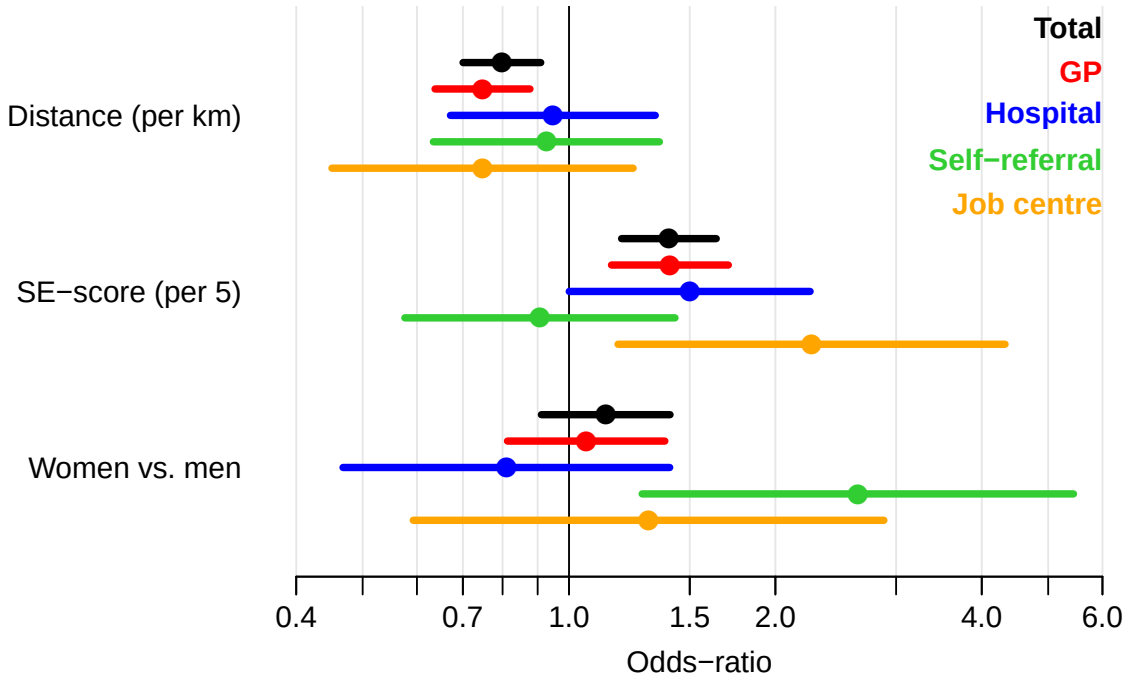

Figure 2.2: *Estimerede effekter af afstand, SOC-score og køn for de forskellige . Estimaterne kan* ikke *sammenlignes mellem variable, kun* inden for *variable mellem de 4 forskellige henvisningstyper.*

Af figur **??** ser man at henvisingerne fra jobcenteret ikke overraskend ligger i yngre aldre (selv om data er *meget* tynde), mens selvhenvendere er mere spredt over aldersspektret.

Det skal dog understreges at der er en stor usikkerhed på disse estimater eftersom vi ikke har den rigtige aldersangivelse for de indgående personer, og den usikkerhed der kommer af dette ikke er indregnet i analsyserne her.

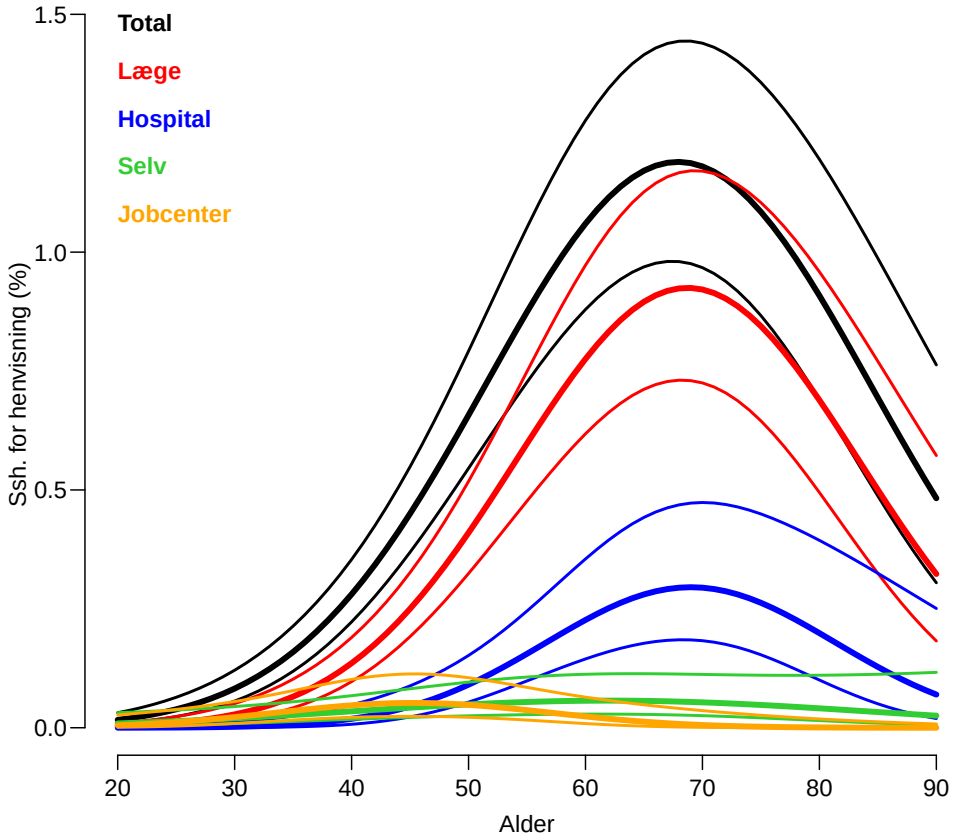

Figure 2.3: *Estimeret henvisings-sandsynlighed som funktion af alderen (95% c.i.), for modellen med SOC-score for de forskellige henvisnings typer. Sandsynlighederne referer til en mand fra en rode med SØK-score 11, og afstand 2 km til socialcentret.*

Chapter 3

Samtlige analyser fra SzyS

Følgende er et print af alle analyser som ligger til grund for SzyS rapport. Det er de programmer SzyS har overlad BxC, som derefter er kørt på BxCs computer med de små modifikationer af stinavne m.v. som var nødvendige for at få det hele til at køre.

Det bør nok kun printes af dokumentationshensyn.

```
1                                       "Program: all.sas"          22:04 Wednesday, June 25, 2014

NOTE: Copyright (c) 2002-2008 by SAS Institute Inc., Cary, NC, USA.
NOTE: SAS (r) Proprietary Software 9.2 (TS2M3)
      Licensed to NOVO NORDISK - BASIC PACKAGE, Site 50800704.
NOTE: This session is executing on the W32_VSPRO  platform.



NOTE: SAS initialization used:
      real time           9.72 seconds
      cpu time            4.27 seconds


NOTE: AUTOEXEC processing beginning; file is c:\stat\sas\autoexec.sas.

-------------------------------------------------------------
C:\Bendix\Steno\SundhedsFremme\kkh\sas\all.sas
-------------------------------------------------------------
NOTE: Libref HER was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\sas
NOTE: Libref DATA was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data

NOTE: AUTOEXEC processing completed.

1          * %inc "import.sas" ;
2          * %inc "1_datasæt_ind.sas"  ;
3          * %inc "1_dataset_bef.sas"  ;
4          %inc "2_deskriptivt_bef.sas"  ;
NOTE: %INCLUDE (level 1) file 2_deskriptivt_bef.sas is file
      C:\Bendix\Steno\SundhedsFremme\kkh\sas\2_deskriptivt_bef.sas.
5         +libname bef "../data" ;
NOTE: Libname BEF refers to the same physical library as DATA.
NOTE: Libref BEF was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data
5        !+                         * 'N:\Projekt\Data\sas datasets';
6         +
7         +*************************************************************************************
8         +Deskriptive analyser henvisning
9         +*************************************************************************************;
10        +
11        +/*Antal med bopæl i de inkluderede roder
12        +
13        +proc print data = bef.bef3;
14        +sum n;
15        +run;
16        + */
17        +
18        +/*Karakteristika for roderne*/
19        +
20        +proc freq data=bef.soc;
ERROR: File BEF.SOC.DATA does not exist.
21        +table ikke_vest_ INGEN_UDD lav_indkom uf_arbejds;
```

```
ERROR: No data set open to look up variables.
ERROR: No data set open to look up variables.
ERROR: No data set open to look up variables.
ERROR: No data set open to look up variables.
22        +run;

NOTE: The SAS System stopped processing this step because of errors.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.12 seconds
      cpu time            0.00 seconds

23        +


24        +proc means data=bef.soc;
ERROR: File BEF.SOC.DATA does not exist.
25        +var Dist_c_km SoKm;
ERROR: No data set open to look up variables.
ERROR: No data set open to look up variables.
26        +run;

NOTE: The SAS System stopped processing this step because of errors.
NOTE: PROCEDURE MEANS used (Total process time):
      real time           0.05 seconds
      cpu time            0.00 seconds

NOTE: %INCLUDE (level 1) ending.
27         %inc "2_deskriptivt_ind.sas"  ;
NOTE: %INCLUDE (level 1) file 2_deskriptivt_ind.sas is file
      C:\Bendix\Steno\SundhedsFremme\kkh\sas\2_deskriptivt_ind.sas.
28        +libname bef "../data" ;
NOTE: Libname BEF refers to the same physical library as DATA.
NOTE: Libref BEF was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data
28       !+                         'N:\Projekt\Data\sas datasets';
29        +


30        +proc format;
31        +value alde 1='18-39'
32        + 2='40-49'
33        + 3='50-59'
34        + 4='60-69'
35        + 5='70 eller derover';
2 "Program: all.sas"                                                    22:04 Wednesday, June 25, 2014

NOTE: Format ALDE has been output.
36        +run;

NOTE: PROCEDURE FORMAT used (Total process time):
      real time           0.42 seconds
      cpu time            0.00 seconds


37        +
38        +/*frekvenstabeller for sociale variable*/
39        +
40        +proc freq data=bef.individ2;
41        +table IKKE_VEST_ INGEN_UDD LAV_INDKOM UF_ARBEJDS ;
42        +run;

NOTE: There were 347 observations read from the data set BEF.INDIVID2.
NOTE: The PROCEDURE FREQ printed page 1.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.80 seconds
      cpu time            0.09 seconds


43        +
44        +/*Geografiske variable*/
45        +
46        +proc means data=bef.individ2;
47        +var i_afstandkm sokm;
48        +run;

NOTE: There were 347 observations read from the data set BEF.INDIVID2.
NOTE: The PROCEDURE MEANS printed page 2.
NOTE: PROCEDURE MEANS used (Total process time):
      real time           0.20 seconds
      cpu time            0.01 seconds


49        +
50        +/*Køn og alder*/
51        +
52        +proc freq data=bef.individ2;
53        +table sex alde;
54        +run;
```

```
NOTE: There were 347 observations read from the data set BEF.INDIVID2.
NOTE: The PROCEDURE FREQ printed page 3.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


55        +
56        +/*Fremmøde variable*/
57        +
58        +proc freq data=bef.individ2;
59        +table p1 p2 n ;
60        +run;

NOTE: There were 347 observations read from the data set BEF.INDIVID2.
NOTE: The PROCEDURE FREQ printed page 4.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


61        +
62        +
63        +/*Andel, der har fuldført deres forløb (her tages udgangspunkt i de fremmødte)*/
64        +
65        +proc freq data=bef.individ2;
66        +where p=1;
67        +table succes;
68        +run;

NOTE: There were 311 observations read from the data set BEF.INDIVID2.
      WHERE p=1;
NOTE: The PROCEDURE FREQ printed page 5.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.13 seconds
      cpu time            0.00 seconds


69        +
70        +***********Fremmødt vs. ikke fremmødt************************************************************;
71        +
72        +proc ttest data=bef.individ2;
73        + class p;
74        + var i_afstandkm sokm;
75        + run;

NOTE: The PROCEDURE TTEST printed page 6.
NOTE: PROCEDURE TTEST used (Total process time):
      real time           0.44 seconds
      cpu time            0.03 seconds


76        +
77        + proc freq data = bef.individ2;
78        +  tables sex*p alde*p IKKE_VEST_*p INGEN_UDD*p LAV_INDKOM*p UF_ARBEJDS*p / chisq ;
79        +run;

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NOTE: There were 347 observations read from the data set BEF.INDIVID2.
NOTE: The PROCEDURE FREQ printed pages 7-10.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.18 seconds
      cpu time            0.04 seconds


80        +
81        +***********Fremmøde ved 1. forsøg vs. fremmøde efter 1. forsøg + intet
81       !+fremmøde************************************************************;
82        +
83        +proc ttest data=bef.individ2;
84        + class p1;
85        + var i_afstandkm sokm;
86        + run;

NOTE: The PROCEDURE TTEST printed page 11.
NOTE: PROCEDURE TTEST used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


87        +
88        + proc freq data = bef.individ2;
89        +  tables sex*p1 alde*p1 IKKE_VEST_*p1 INGEN_UDD*p1 LAV_INDKOM*p1 UF_ARBEJDS*p1 / chisq ;
90        +run;

NOTE: There were 347 observations read from the data set BEF.INDIVID2.
NOTE: The PROCEDURE FREQ printed pages 12-15.
```

```
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


91        +
92        +***********Fremmøde ved 1. forsøg vs. fremmøde efter 1. forsøg
92       !+*******************************************************;
93        +
94        +proc ttest data=bef.fremmodt;
95        + class p1;
96        + var i_afstandkm sokm;
97        + run;

NOTE: The PROCEDURE TTEST printed page 16.
NOTE: PROCEDURE TTEST used (Total process time):
      real time           0.03 seconds
      cpu time            0.01 seconds


98        +
99        + proc freq data = bef.fremmodt;
100       +  tables sex*p1 alde*p1 IKKE_VEST_*p1 INGEN_UDD*p1 LAV_INDKOM*p1 UF_ARBEJDS*p1 / chisq ;
101       +run;

NOTE: There were 311 observations read from the data set BEF.FREMMODT.
NOTE: The PROCEDURE FREQ printed pages 17-20.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.02 seconds
      cpu time            0.03 seconds


102       +
103       +***********Fuldført forløb vs. ikke fuldført forløb *******************************************************;
104       +
105       +proc ttest data=bef.fremmodt;
106       + class succes;
107       + var i_afstandkm sokm;
108       + run;

NOTE: The PROCEDURE TTEST printed page 21.
NOTE: PROCEDURE TTEST used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


109       +
110       + proc freq data = bef.fremmodt;
111       +  tables sex*succes alde*succes IKKE_VEST_*succes INGEN_UDD*succes LAV_INDKOM*succes
112       + UF_ARBEJDS*succes / chisq ;
113       +run;

NOTE: There were 311 observations read from the data set BEF.FREMMODT.
NOTE: The PROCEDURE FREQ printed pages 22-25.
NOTE: PROCEDURE FREQ used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


NOTE: %INCLUDE (level 1) ending.
114        %inc "3_regression_bef.sas"  ;
NOTE: %INCLUDE (level 1) file 3_regression_bef.sas is file C:\Bendix\Steno\SundhedsFremme\kkh\sas\3_regression_bef.sas.
115       +libname bef '../data' ;
NOTE: Libname BEF refers to the same physical library as DATA.
NOTE: Libref BEF was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data
115      !+                         * 'N:\Projekt\data\sas datasets';
116       +
117       +*********************************************************************************************
118       +Regressionsanalyse
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119       +*********************************************************************************************;
120       +
121       +*I dette program laves logistiske regressionsanalyser til analyserne på befolkningsniveau.
122       +Derudover testes det, vha. likelihood ratio testet, hvilken af modellerne der forklare
123       +variationen i data bedst.
124       +Ikke-lineære sammenhænge ift. de kontinuerte variable testes sidst i programmet;
125       +
126       +*** Regressionsanalyse 1. ******************************************************************
127       +I denne regressionsanalyse inkluderes køn, alder, SØK score og afstand til center
128       +Estimate statement anvendes til at estimere OR;
129       +
130       +proc genmod data=bef.bef3;
131       +class sex ;
132       +   model n_henvis2/n = sex alder alder*alder Sokm Dist_c  /  dist=binomial type3;
133       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
134       +estimate "destination" dist_c 1 / exp ;
```

```
135       +estimate "SOK score" sokm 1 / exp ;
136       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 26-27.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           1.38 seconds
      cpu time            0.51 seconds


137       +
138       +*** Regressionsanalyse 2. ******************************************************************
139       +I denne regressionsanalyse inkluderes køn, alder, de fire befolkningsindikatorer og afstand
140       +til center.
141       +Estimate statement anvendes til at estimere OR;
142       +
143       +      proc genmod data=bef.bef3;
144       +   class sex INGEN_UDD IKKE_VEST_ lav_indkom uf_arbejds ;
145       +   model  n_henvis2 / n = sex alder alder*alder Dist_c IKKE_VEST_
146       + INGEN_UDD lav_indkom uf_arbejds / dist=binomial type3 ;
147       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
148       +estimate "destination" dist_c 1 / exp ;
149       +estimate "iv 2 vs. 1 (2)" ikke_vest_ 1 -1 0 0 / exp ;
150       +estimate  "iv 2 vs. 3 (4)" ikke_vest_ 0 -1 1 0 / exp ;
151       +estimate  "iv 2 vs. 4 (5)" ikke_vest_ 0 -1 0 1 / exp ;
152       +estimate "iu 3 vs. 1" ingen_udd 1 0 -1 0 0 / exp ;
153       +estimate  "iu 3 vs. 2" ingen_udd 0 1 -1 0 0 / exp ;
154       +estimate  "iu 3 vs. 4" ingen_udd 0 0 -1 1 0 / exp ;
155       +estimate  "iu 3 vs. 5" ingen_udd 0 0 -1 0 1 / exp ;
156       +estimate "li 2 vs. 1" lav_indkom 1 -1 0 0 0 / exp ;
157       +estimate  "li 2 vs. 3" lav_indkom 0 -1 1 0 0 / exp ;
158       +estimate  "li 2 vs. 4" lav_indkom 0 -1 0 1 0 / exp ;
159       +estimate  "li 2 vs. 5" lav_indkom 0 -1 0 0 1 / exp ;
160       +estimate "ua 3 vs. 1" uf_arbejds 1 0 -1 0 0 / exp ;
161       +estimate  "ua 3 vs. 2" uf_arbejds 0 1 -1 0 0 / exp ;
162       +estimate  "ua 3 vs. 4" uf_arbejds 0 0 -1 1 0 / exp ;
163       +estimate  "ua 3 vs. 5" uf_arbejds 0 0 -1 0 1 / exp ;
164       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 28-29.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.60 seconds
      cpu time            0.59 seconds


165       +
166       +
167       +*OR for henvisning for forskellige ændringer i SØK scoren;
168       +
169       +proc genmod data=bef.bef3;
170       +class sex ;
171       +   model n_henvis2/n = sex alder alder*alder Sokm Dist_c  /  dist=binomial type3;
172       +estimate "SOK score" sokm 2 / exp ;
173       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 30.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.42 seconds
      cpu time            0.40 seconds


174       +
175       +proc genmod data=bef.bef3;
176       +class sex ;
177       +   model n_henvis2/n = sex alder alder*alder Sokm Dist_c  /  dist=binomial type3;
178       +estimate "SOK score" sokm 5 / exp ;
179       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 31.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.39 seconds
      cpu time            0.40 seconds


180       +
181       +proc genmod data=bef.bef3;
182       +class sex ;
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183       +   model n_henvis2/n = sex alder alder*alder Sokm Dist_c  /  dist=binomial type3;
184       +estimate "SOK score" sokm 10 / exp ;
185       +   run;
```

```
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 32.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.41 seconds
      cpu time            0.38 seconds


186       +
187       +************************ LIKELIHOOD-RATIO TEST ******************************
188       +Deviance og frihedsgrader for de to modeller aflæses i regressionerne ovenfor og
189       +forskellen beregnes. p-værdien der angiver om de to modeller forklare variationen i
190       +data forskelligt findes vha. af disse værdier i chi i anden-fordeling  ;
191       +
192       +data pvalue;
193       +p=1-PROBCHI(27.9,14);
194       +run;

NOTE: The data set WORK.PVALUE has 1 observations and 1 variables.
NOTE: DATA statement used (Total process time):
      real time           0.48 seconds
      cpu time            0.00 seconds


195       +proc print;
196       +run;

NOTE: There were 1 observations read from the data set WORK.PVALUE.
NOTE: The PROCEDURE PRINT printed page 33.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.15 seconds
      cpu time            0.00 seconds


197       +
198       +*** Linearitet ****************************************************************
199       +
200       +Ikke-lineære sammenhænge testes;
201       +
202       +*Model med SØK score;
203       +
204       +   proc genmod data=bef.bef3;
205       +class sex ;
206       +   model n_henvis2/n = sex alder Sokm Dist_c  /  dist=binomial type3;
207       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 34.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.40 seconds
      cpu time            0.31 seconds


208       +
209       +     proc genmod data=bef.bef3;
210       +class sex ;
211       +   model n_henvis2/n = sex alder alder*alder Sokm Dist_c  /  dist=binomial type3;
212       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 35.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.45 seconds
      cpu time            0.40 seconds


213       +
214       +
215       +*Idet alder*alder er højsignifikant beholdes dette led i modellen og de andre kontinuerte
216       +variable testes;
217       +
218       +proc genmod data=bef.bef3;
219       +class sex ;
220       +   model n_henvis2/n = sex alder alder*alder Sokm Sokm*Sokm Dist_c  /  dist=binomial type3;
221       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 36.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.55 seconds
      cpu time            0.49 seconds


222       +
223       +proc genmod data=bef.bef3;
```

```
224       +class sex ;
225       +   model n_henvis2/n = sex alder alder*alder Sokm Dist_c Dist_c*Dist_c  /  dist=binomial type3;
226       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 37.
NOTE: PROCEDURE GENMOD used (Total process time):
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      real time           0.50 seconds
      cpu time            0.48 seconds


227       +
228       +
229       +*Hverken det kvadratiske led af SØK scoren eller afstand til center var signifikante;
230       +
231       +*Model med de fire befolkningsindikatorer;
232       +
233       +   proc genmod data=bef.bef3;
234       +   class sex INGEN_UDD IKKE_VEST_ lav_indkom uf_arbejds;
235       +   model  n_henvis2 / n = sex alder Dist_c IKKE_VEST_
236       + INGEN_UDD lav_indkom uf_arbejds / dist=binomial type3 ;
237       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 38-39.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.47 seconds
      cpu time            0.46 seconds


238       +
239       +   proc genmod data=bef.bef3;
240       +   class sex INGEN_UDD IKKE_VEST_ lav_indkom uf_arbejds;
241       +   model  n_henvis2 / n = sex alder alder*alder Dist_c IKKE_VEST_
242       + INGEN_UDD lav_indkom uf_arbejds / dist=binomial type3 ;
243       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 40-41.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.58 seconds
      cpu time            0.57 seconds


244       +
245       +   proc genmod data=bef.bef3;
246       +   class sex INGEN_UDD IKKE_VEST_ lav_indkom uf_arbejds;
247       +   model  n_henvis2 / n = sex alder alder*alder Dist_c Dist_c*Dist_c IKKE_VEST_
248       + INGEN_UDD lav_indkom uf_arbejds / dist=binomial type3 ;
249       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 42-43.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.70 seconds
      cpu time            0.70 seconds


250       +
251       +
NOTE: %INCLUDE (level 1) ending.
252        %inc "3_regression_ind.sas"  ;
NOTE: %INCLUDE (level 1) file 3_regression_ind.sas is file C:\Bendix\Steno\SundhedsFremme\kkh\sas\3_regression_ind.sas.
253       +libname bef '../data' ;
NOTE: Libname BEF refers to the same physical library as DATA.
NOTE: Libref BEF was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data
253      !+                         * 'N:\Projekt\data\sas datasets';
254       +
255       +/*Logistisk regression hvor sandsynligheden for fremmøde/fuldført forløb betinget af køn alder
256       +afstand til center og social-index estimeres*/
257       +
258       +proc format;
259       +value alde 1='18-39'
260       + 2='40-49'
261       + 3='50-59'
262       + 4='60-69'
263       + 5='70 eller derover';
NOTE: Format ALDE is already on the library.
NOTE: Format ALDE has been output.
264       +run;
```

```
NOTE: PROCEDURE FORMAT used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


265       +
266       +/*Sandsynligheden for fremmøde vs intet fremmøde*/
267       +
268       +/*SØK score*/
269       +
270       +proc genmod data=bef.individ2 descending;
271       +  class sex alde ;
272       +  model p = sex alde i_afstandkm SoKm / dist=binomial type3 aggregate;
273       +  estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
274       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
275       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
276       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
277       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
278       +estimate "destination" i_afstandkm 1 / exp ;
279       +estimate "SOK" SoKm 1 / exp ;
280       +run;
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NOTE: PROC GENMOD is modeling the probability that p='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 44-45.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.56 seconds
      cpu time            0.20 seconds


281       +
282       +/*Sandsynligheden for fremmøde ved 1. forsøg vs. fremmøde efter 1. forsøg + intet fremmøde.*/
283       +
284       +/*SØK score*/
285       +
286       +proc genmod data=bef.individ2 descending;
287       +  class sex alde ;
288       +  model p1 = sex alde i_afstandkm SoKm / dist=binomial type3 aggregate;
289       +  estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
290       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
291       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
292       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
293       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
294       +estimate "destination" i_afstandkm 1 / exp ;
295       +estimate "SOK" SoKm 1 / exp ;
296       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 46-47.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.26 seconds
      cpu time            0.18 seconds


297       +
298       +
299       +/*De fire befolkningsindikatorer*/
300       +proc genmod data=bef.individ2 descending;
301       +  class sex alde ikke_vest_ ingen_udd lav_indkom uf_arbejds ;
302       +  model p1 = sex alde i_afstandkm ikke_vest_ ingen_udd lav_indkom uf_arbejds / dist=binomial type3 aggregate;
303       +estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
304       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
305       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
306       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
307       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
308       +estimate "iv 2 vs. 1 (2)" ikke_vest_ 1 -1 0 0 / exp ;
309       +estimate  "iv 2 vs. 3 (4)" ikke_vest_ 0 -1 1 0 / exp ;
310       +estimate  "iv 2 vs. 4 (5)" ikke_vest_ 0 -1 0 1 / exp ;
311       +estimate "iu 3 vs. 1" ingen_udd 1 0 -1 0 0 / exp ;
312       +estimate  "iu 3 vs. 2" ingen_udd 0 1 -1 0 0 / exp ;
313       +estimate  "iu 3 vs. 4" ingen_udd 0 0 -1 1 0 / exp ;
314       +estimate  "iu 3 vs. 5" ingen_udd 0 0 -1 0 1 / exp ;
315       +estimate "li 2 vs. 1" lav_indkom 1 -1 0 0 0 / exp ;
316       +estimate  "li 2 vs. 3" lav_indkom 0 -1 1 0 0 / exp ;
317       +estimate  "li 2 vs. 4" lav_indkom 0 -1 0 1 0 / exp ;
318       +estimate  "li 2 vs. 5" lav_indkom 0 -1 0 0 1 / exp ;
319       +estimate "ua 3 vs. 1" uf_arbejds 1 0 -1 0 0 / exp ;
320       +estimate  "ua 3 vs. 2" uf_arbejds 0 1 -1 0 0 / exp ;
321       +estimate  "ua 3 vs. 4" uf_arbejds 0 0 -1 1 0 / exp ;
322       +estimate  "ua 3 vs. 5" uf_arbejds 0 0 -1 0 1 / exp ;
323       +estimate "destination" i_afstandkm 1 / exp ;
324       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
```

```
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 48-49.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.36 seconds
      cpu time            0.18 seconds


325       +
326       +
327       +/*Sandsynligheden for fremmøde ved 1. forsøg vs. fremmøde efter 1. forsøg
328       +(her tages udgangspunkt i de fremmødte)*/
329       +
330       +/*SØK score*/
331       +proc genmod data=bef.fremmodt descending;
332       +  class sex alde ;
333       +  model p1 = sex alde i_afstandkm SoKm / dist=binomial type3 aggregate;
334       +  estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
335       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
336       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
337       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
338       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
339       +estimate "destination" i_afstandkm 1 / exp ;
340       +estimate "SOK" SoKm 1 / exp ;
341       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 50-51.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.28 seconds
      cpu time            0.18 seconds

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342       +
343       +
344       +/*De fire befolkningsindikatorer*/
345       +proc genmod data=bef.fremmodt descending;
346       +  class sex alde ikke_vest_ ingen_udd lav_indkom uf_arbejds ;
347       +  model p1 = sex alde i_afstandkm ikke_vest_ ingen_udd lav_indkom uf_arbejds / dist=binomial type3 aggregate;
348       +estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
349       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
350       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
351       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
352       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
353       +estimate "iv 2 vs. 1 (2)" ikke_vest_ 1 -1 0 0 / exp ;
354       +estimate  "iv 2 vs. 3 (4)" ikke_vest_ 0 -1 1 0 / exp ;
355       +estimate  "iv 2 vs. 4 (5)" ikke_vest_ 0 -1 0 1 / exp ;
356       +estimate "iu 3 vs. 1" ingen_udd 1 0 -1 0 0 / exp ;
357       +estimate  "iu 3 vs. 2" ingen_udd 0 1 -1 0 0 / exp ;
358       +estimate  "iu 3 vs. 4" ingen_udd 0 0 -1 1 0 / exp ;
359       +estimate  "iu 3 vs. 5" ingen_udd 0 0 -1 0 1 / exp ;
360       +estimate "li 2 vs. 1" lav_indkom 1 -1 0 0 0 / exp ;
361       +estimate  "li 2 vs. 3" lav_indkom 0 -1 1 0 0 / exp ;
362       +estimate  "li 2 vs. 4" lav_indkom 0 -1 0 1 0 / exp ;
363       +estimate  "li 2 vs. 5" lav_indkom 0 -1 0 0 1 / exp ;
364       +estimate "ua 3 vs. 1" uf_arbejds 1 0 -1 0 0 / exp ;
365       +estimate  "ua 3 vs. 2" uf_arbejds 0 1 -1 0 0 / exp ;
366       +estimate  "ua 3 vs. 4" uf_arbejds 0 0 -1 1 0 / exp ;
367       +estimate  "ua 3 vs. 5" uf_arbejds 0 0 -1 0 1 / exp ;
368       +estimate "destination" i_afstandkm 1 / exp ;
369       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 52-53.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.36 seconds
      cpu time            0.18 seconds


370       +
371       +/*Sandsynligheden for fuldført forløb (givet at man er fremmødt)*/
372       +
373       +/*SØK score*/
374       +proc genmod data=bef.fremmodt descending;
375       +  class sex alde ;
376       +  model succes = sex alde i_afstandkm SoKm / dist=binomial type3 aggregate;
377       +  estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
378       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
379       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
380       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
381       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
382       +estimate "destination" i_afstandkm 1 / exp ;
383       +estimate "SOK" SoKm 1 / exp ;
```

```
384       +run;

NOTE: PROC GENMOD is modeling the probability that Succes='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 54-55.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.21 seconds
      cpu time            0.18 seconds


385       +
386       +/*De fire befolkningsindikatorer*/
387       +proc genmod data=bef.fremmodt descending;
388       +  class sex alde ikke_vest_ ingen_udd lav_indkom uf_arbejds ;
389       +  model succes = sex alde i_afstandkm ikke_vest_ ingen_udd lav_indkom uf_arbejds / dist=binomial type3
389      !+aggregate;
390       +estimate  "alder 4 vs. 1" alde 1 0 0 -1 0 / exp ;
391       +estimate  "alder 4 vs. 2" alde 0 1 0 -1 0 / exp ;
392       +estimate  "alder 4 vs. 3" alde 0 0 1 -1 0 / exp ;
393       +estimate  "alder 4 vs. 5" alde 0 0 0 -1 1 / exp ;
394       +estimate "sex 1 vs. 0" sex 1 -1 / exp ;
395       +estimate "iv 2 vs. 1 (2)" ikke_vest_ 1 -1 0 0 / exp ;
396       +estimate  "iv 2 vs. 3 (4)" ikke_vest_ 0 -1 1 0 / exp ;
397       +estimate  "iv 2 vs. 4 (5)" ikke_vest_ 0 -1 0 1 / exp ;
398       +estimate "iu 3 vs. 1" ingen_udd 1 0 -1 0 0 / exp ;
399       +estimate  "iu 3 vs. 2" ingen_udd 0 1 -1 0 0 / exp ;
400       +estimate  "iu 3 vs. 4" ingen_udd 0 0 -1 1 0 / exp ;
401       +estimate  "iu 3 vs. 5" ingen_udd 0 0 -1 0 1 / exp ;
402       +estimate "li 2 vs. 1" lav_indkom 1 -1 0 0 0 / exp ;
403       +estimate  "li 2 vs. 3" lav_indkom 0 -1 1 0 0 / exp ;
404       +estimate  "li 2 vs. 4" lav_indkom 0 -1 0 1 0 / exp ;
405       +estimate  "li 2 vs. 5" lav_indkom 0 -1 0 0 1 / exp ;
406       +estimate "ua 3 vs. 1" uf_arbejds 1 0 -1 0 0 / exp ;
407       +estimate  "ua 3 vs. 2" uf_arbejds 0 1 -1 0 0 / exp ;
408       +estimate  "ua 3 vs. 4" uf_arbejds 0 0 -1 1 0 / exp ;
409       +estimate  "ua 3 vs. 5" uf_arbejds 0 0 -1 0 1 / exp ;
410       +estimate "destination" i_afstandkm 1 / exp ;
411       +run;

NOTE: PROC GENMOD is modeling the probability that Succes='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 56-57.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.24 seconds
      cpu time            0.13 seconds
9 "Program: all.sas"                                                    22:04 Wednesday, June 25, 2014


412       +
413       +************************* LIKELIHOOD-RATIO TEST ******************************
414       +Deviance og frihedsgrader for de to modeller aflæses i regressionerne ovenfor og
415       +forskellen beregnes. p-værdien der angiver om de to modeller forklare variationen i
416       +data forskelligt findes vha. af disse værdier i chi i anden-fordeling  ;
417       +
418       +data pvalue1;
419       +p=1-PROBCHI(7.3,14);
420       +run;

NOTE: The data set WORK.PVALUE1 has 1 observations and 1 variables.
NOTE: DATA statement used (Total process time):
      real time           0.02 seconds
      cpu time            0.01 seconds


421       +proc print;
422       +run;

NOTE: There were 1 observations read from the data set WORK.PVALUE1.
NOTE: The PROCEDURE PRINT printed page 58.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


423       +
424       +data pvalue2;
425       +p=1-PROBCHI(4.2,14);
426       +run;

NOTE: The data set WORK.PVALUE2 has 1 observations and 1 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


427       +proc print;
```

```
428       +run;

NOTE: There were 1 observations read from the data set WORK.PVALUE2.
NOTE: The PROCEDURE PRINT printed page 59.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


429       +
430       +data pvalue3;
431       +p=1-PROBCHI(19.3,14);
432       +run;

NOTE: The data set WORK.PVALUE3 has 1 observations and 1 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


433       +proc print;
434       +run;

NOTE: There were 1 observations read from the data set WORK.PVALUE3.
NOTE: The PROCEDURE PRINT printed page 60.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


435       +
436       +*************************IKKE LINEÆRE SAMMENHÆNGE*****************************;
437       +
438       +/*I det følgende indsættes kvadratiske led af de kontinuerte variable for at undersøge, hvorvidt
439       +sammenhængende er lineære eller ej.*/
440       +
441       +
442       +/*Sandsynligheden for fremmøde vs intet fremmøde*/
443       +
444       +proc genmod data=bef.individ2 descending;
445       +  class sex alde  ;
446       +  model p = sex alde i_afstandkm i_afstandkm*i_afstandkm SoKm / dist=binomial type3 aggregate;
447       +run;

NOTE: PROC GENMOD is modeling the probability that p='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 61.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.22 seconds
      cpu time            0.09 seconds


448       +
449       +proc genmod data=bef.individ2 descending;
450       +  class sex alde  ;
451       +  model p = sex alde i_afstandkm SoKm*SoKm SoKm / dist=binomial type3 aggregate;
452       +run;

NOTE: PROC GENMOD is modeling the probability that p='1'.
10 "Program: all.sas"                                                    22:04 Wednesday, June 25, 2014

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 62.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.16 seconds
      cpu time            0.07 seconds


453       +
454       +
455       +/*Sandsynligheden for fremmøde ved 1. forsøg vs. fremmøde efter 1. forsøg + intet fremmøde.*/
456       +
457       +/*SØK score*/
458       +
459       +proc genmod data=bef.individ2 descending;
460       +  class sex alde ;
461       +  model p1 = sex alde i_afstandkm i_afstandkm*i_afstandkm SoKm / dist=binomial type3 aggregate;
462       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 63.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.21 seconds
      cpu time            0.14 seconds
```

```
463       +
464       +proc genmod data=bef.individ2 descending;
465       +  class sex alde ;
466       +  model p1 = sex alde i_afstandkm i_afstandkm SoKm SoKm*SoKm / dist=binomial type3 aggregate;
467       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 64.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.19 seconds
      cpu time            0.18 seconds


468       +
469       +/*De fire befolkningsindikatorer*/
470       +proc genmod data=bef.individ2 descending;
471       +  class sex alde ikke_vest_ ingen_udd lav_indkom uf_arbejds ;
472       +  model p1 = sex alde i_afstandkm i_afstandkm*i_afstandkm ikke_vest_ ingen_udd lav_indkom uf_arbejds /
472      !+dist=binomial type3 aggregate;
473       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 65-66.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.17 seconds
      cpu time            0.15 seconds


474       +
475       +/*Sandsynligheden for fremmøde ved 1. forsøg vs. fremmøde efter 1. forsøg
476       +(her tages udgangspunkt i de fremmødte)*/
477       +
478       +/*SØK score*/
479       +proc genmod data=bef.fremmodt descending;
480       +  class sex alde ;
481       +  model p1 = sex alde i_afstandkm SoKm SoKm*SoKm / dist=binomial type3 aggregate;
482       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 67.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.24 seconds
      cpu time            0.17 seconds


483       +
484       +proc genmod data=bef.fremmodt descending;
485       +  class sex alde ;
486       +  model p1 = sex alde i_afstandkm i_afstandkm*i_afstandkm SoKm / dist=binomial type3 aggregate;
487       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 68.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.14 seconds
      cpu time            0.12 seconds


488       +
489       +
490       +/*De fire befolkningsindikatorer*/
491       +proc genmod data=bef.fremmodt descending;
492       +  class sex alde ikke_vest_ ingen_udd lav_indkom uf_arbejds ;
493       +  model p1 = sex alde i_afstandkm i_afstandkm*i_afstandkm ikke_vest_ ingen_udd lav_indkom uf_arbejds /
11 "Program: all.sas"                                                          22:04 Wednesday, June 25, 2014

493      !+dist=binomial type3 aggregate;
494       +run;

NOTE: PROC GENMOD is modeling the probability that p1='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 69-70.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.22 seconds
      cpu time            0.14 seconds


495       +
496       +
```

```
497       +/*Sandsynligheden for fuldført forløb (givet at man er fremmødt)*/
498       +
499       +
500       +/*SØK score*/
501       +proc genmod data=bef.fremmodt descending;
502       +  class sex alde ;
503       +  model succes = sex alde i_afstandkm i_afstandkm*i_afstandkm SoKm / dist=binomial type3 aggregate;
504       +run;

NOTE: PROC GENMOD is modeling the probability that Succes='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 71.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.17 seconds
      cpu time            0.12 seconds


505       +
506       +proc genmod data=bef.fremmodt descending;
507       +  class sex alde ;
508       +  model succes = sex alde i_afstandkm SoKm SoKm*SoKm / dist=binomial type3 aggregate;
509       +run;

NOTE: PROC GENMOD is modeling the probability that Succes='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed page 72.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.19 seconds
      cpu time            0.12 seconds


510       +
511       +/*De fire befolkningsindikatorer*/
512       +proc genmod data=bef.fremmodt descending;
513       +  class sex alde ikke_vest_ ingen_udd lav_indkom uf_arbejds ;
514       +  model succes = sex alde i_afstandkm i_afstandkm*i_afstandkm ikke_vest_ ingen_udd lav_indkom uf_arbejds /
514      !+dist=binomial type3 aggregate;
515       +run;

NOTE: PROC GENMOD is modeling the probability that Succes='1'.
NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The PROCEDURE GENMOD printed pages 73-74.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.16 seconds
      cpu time            0.14 seconds


NOTE: %INCLUDE (level 1) ending.
516        %inc "4_afstand_alder_bef.sas"  ;
NOTE: %INCLUDE (level 1) file 4_afstand_alder_bef.sas is file
      C:\Bendix\Steno\SundhedsFremme\kkh\sas\4_afstand_alder_bef.sas.
517       +libname bef '../data' ;
NOTE: Libname BEF refers to the same physical library as DATA.
NOTE: Libref BEF was successfully assigned as follows:
      Engine:        V9
      Physical Name: C:\Bendix\Steno\SundhedsFremme\kkh\data
517      !+                         * 'N:\Projekt\data\sas datasets';
518       +
519       +*************************************************************************************
520       +Sandsynlighed for henvisning som funktion af alder og afstand
521       +*************************************************************************************;
522       +
523       +*I det følgende dannes "nye respondenter" - med samme værdier for
524       +kovariaterne (som jeg selv definerer) og med forskellige værdier for alder.
525       +Outcome prædikteres ud fra Genmod proceduren og disse værdier plottes som
526       +funktion af alder.
527       +
528       +(end=variable): danner en midlertidig variabel, som er 0, men omdannes til 1 når
529       +SET læser den sidste varibel.
530       +
531       +Org-variabel dannes. Denne er 1 for alle deltagere men 0 for personer i det "nye" datasæt
532       +
533       +Når sidste respondent nås, så laves 72 "nye respondenter" med forskellige aldre med samme
534       +værdier for kovariate;
535       +
536       +data pp ;
537       + set bef.bef3 end=slut ;
538       +    org = 1 ;
539       +    output ;
540       + if slut then do alder = 18 to 90 by 1 ;
541       +       org= 0;
542       + sex = 1 ;
543       + SoKm = 11;
12 "Program: all.sas"                                                    22:04 Wednesday, June 25, 2014

544       + Dist_c = 1.8 ;
```

```
545       + n_henvis2 = . ;
546       + n= . ;
547       + INGEN_UDD = 3 ;
548       + IKKE_VEST_ = 3 ;
549       + lav_indkom = 2 ;
550       +    uf_arbejds = 3 ;
551       +   output ;
552       + end ;
553       +run ;

NOTE: There were 6410 observations read from the data set BEF.BEF3.
NOTE: The data set WORK.PP has 6483 observations and 22 variables.
NOTE: DATA statement used (Total process time):
      real time           0.02 seconds
      cpu time            0.00 seconds


554       +
555       +* Der laves et ekstra datasæt (alder) for personer, hvor org=0 med følgende variable:
556       +p: Prædikterede værdier
557       +lci: Lower bound for a CI for the expected value (mean) of the predicted value.
558       +ici: Lower bound for a CI for the expected value (mean) of the predicted value. ;
559       +
560       +   proc genmod data=pp;
561       +class sex;
562       +   model  n_henvis2/n = sex alder alder*alder Dist_c sokm /  dist=binomial type3;
563       +output out=alder predicted=p lower=lci upper=uci;
564       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The data set WORK.ALDER has 6483 observations and 25 variables.
NOTE: The PROCEDURE GENMOD printed page 75.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.45 seconds
      cpu time            0.34 seconds


565       +
566       +*Respondenter hvor org=0 udvælges ;
567       +
568       +data alder2;
569       +set alder (keep= org alder p lci uci);
570       +number = _N_;
571       +where org=0 ;
572       +run;

NOTE: There were 73 observations read from the data set WORK.ALDER.
      WHERE org=0;
NOTE: The data set WORK.ALDER2 has 73 observations and 6 variables.
NOTE: DATA statement used (Total process time):
      real time           0.04 seconds
      cpu time            0.00 seconds


573       +
574       +*Prædikterede værdier for sandsynlighed for henvisning plottes mod alder;
575       +
576       +/*
577       +ods pdf file = "N:\Projekt\Data\Programmer\alder_sok.pdf";
578       +ods graphics on / width=6in height=4in border=off;
579       +*/
580       +
581       +goptions device = pdf
582       +         gsfname = grf
583       +         hsize = 6in vsize = 6in xmax = 6in ymax = 6in;
584       +
585       +filename grf '.\alder-sok.pdf';
586       +proc gplot  data=alder2;
587       +  plot (p lci uci) * alder / overlay haxis=axis1 vaxis=axis2;
588       +  symbol1 c=black w=4 interpol=join;
589       +  symbol2 c=grey  w=2 interpol=join;
590       +  symbol3 c=grey  w=2 interpol=join;
591       +  axis1 minor=(n=1) Label= (h=1.5 "Alder (år)" ) order=(20 to 90 by 5) value=(h=1.5);
592       +  axis2 minor=(n=1) Label=(A=90 h=1.5 "Prædikteret sandsynlighed for henvisning" )
593       +        order=(0 to 0.03 by 0.01) value=(h=1.5);
594       +run ;

NOTE: 2 observation(s) outside the axis range for the p * alder request.
13 "Program: all.sas"                                          22:04 Wednesday, June 25, 2014

NOTE: 2 observation(s) outside the axis range for the lci * alder request.
NOTE: 2 observation(s) outside the axis range for the uci * alder request.
595       +quit ;

NOTE: 349 records written to C:\Bendix\Steno\SundhedsFremme\kkh\sas\alder-sok.pdf.
NOTE: There were 73 observations read from the data set WORK.ALDER2.
NOTE: PROCEDURE GPLOT used (Total process time):
      real time           24.19 seconds
```

```
      cpu time           16.22 seconds


596       +
597       +*Samme procedure som ovenfor, men her er de fire befolkningsindikatorer inkluderet i
597      !+modellen
598       +i stedet for SØK scoren ;
599       +
600       +   proc genmod data=pp;
601       +class sex INGEN_UDD IKKE_VEST_ lav_indkom uf_arbejds;
602       +   model  n_henvis2/n = sex alder alder*alder Dist_c INGEN_UDD IKKE_VEST_ lav_indkom
602      !+uf_arbejds
603       + /  dist=binomial type3;
604       +output out=alder3 predicted=p lower=lci upper=uci;
605       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The data set WORK.ALDER3 has 6483 observations and 25 variables.
NOTE: The PROCEDURE GENMOD printed pages 76-77.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.59 seconds
      cpu time            0.54 seconds


606       +
607       +data alder4;
608       +set alder3 (keep= org alder p lci uci);
609       +number = _N_;
610       +where org=0 ;
611       +run;

NOTE: There were 73 observations read from the data set WORK.ALDER3.
      WHERE org=0;
NOTE: The data set WORK.ALDER4 has 73 observations and 6 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.01 seconds


612       +
613       +/*
614       +ods pdf file = "N:\Projekt\Data\Programmer\alder_bef.pdf";
615       +ods graphics on / width=6in height=4in border=off;
616       +*goptions reset=all hsize=7in vsize=5in;
617       +*/
618       +filename grf '.\alder-bef.pdf';
619       +proc gplot  data=alder4;
620       +  plot (p lci uci) * alder / overlay haxis=axis1 vaxis=axis2;
14 "Program: all.sas"                                          22:04 Wednesday, June 25, 2014

621       +  symbol1  c=black  w=4 interpol=join;
622       +  symbol2  c=grey  w=2 interpol=join;
623       +  symbol3  c=grey  w=2 interpol=join;
624       +  axis1 minor=(n=1) Label= (h=1.5 "Alder (år)" ) order=(20 to 90 by 5) value=(h=1.5);
625       +  axis2 minor=(n=1) Label=(A=90 h=1.5 "Prædikteret sandsynlighed for henvisning" )
626       +        order=(0 to 0.03 by 0.01) value=(h=1.5);
627       +run ;

NOTE: 2 observation(s) outside the axis range for the p * alder request.
NOTE: 2 observation(s) outside the axis range for the lci * alder request.
NOTE: 2 observation(s) outside the axis range for the uci * alder request.
628       +quit ;

NOTE: 349 records written to C:\Bendix\Steno\SundhedsFremme\kkh\sas\alder-bef.pdf.
NOTE: There were 73 observations read from the data set WORK.ALDER4.
NOTE: PROCEDURE GPLOT used (Total process time):
      real time           21.09 seconds
      cpu time            15.89 seconds


629       +
630       +/*
631       +ods graphics off;
632       +ods pdf close;
633       +*/
634       +
635       +data qq ;
636       + set bef.bef3 end=slut ;
637       +    org = 1 ;
638       +    output ;
639       + if slut then do Dist_c = 0 to 4 by 0.1 ;
640       +       org= 0;
641       + sex = 1 ;
642       + SoKm = 11;
643       + Alder = 60 ;
644       + n_henvis2 = . ;
645       + n= . ;
646       + INGEN_UDD = 3 ;
```

```
647       + IKKE_VEST_ = 3 ;
648       + lav_indkom = 2 ;
649       +    uf_arbejds = 3 ;
650       +   output ;
651       + end ;
652       +run ;

NOTE: There were 6410 observations read from the data set BEF.BEF3.
NOTE: The data set WORK.QQ has 6451 observations and 22 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.01 seconds


653       +
654       + proc genmod data=qq;
655       +class sex;
656       +   model  n_henvis2/n = sex alder alder*alder Dist_c sokm /  dist=binomial type3;
657       +output out=dis predicted=p lower=lci upper=uci;
15 "Program: all.sas"                                          22:04 Wednesday, June 25, 2014

658       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The data set WORK.DIS has 6451 observations and 25 variables.
NOTE: The PROCEDURE GENMOD printed pages 78-79.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.42 seconds
      cpu time            0.35 seconds


659       +
660       +*Respondenter hvor org=0 udvælges ;
661       +
662       +data dis2;
663       +set dis (keep= org Dist_c p lci uci);
664       +number = _N_;
665       +where org=0 ;
666       +run;

NOTE: There were 41 observations read from the data set WORK.DIS.
      WHERE org=0;
NOTE: The data set WORK.DIS2 has 41 observations and 6 variables.
NOTE: DATA statement used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


667       +
668       +/*
669       +ods pdf file = "N:\Projekt\Data\Programmer\afstand_sok.pdf";
670       +ods graphics on / width=6in height=4in border=off;
671       +*/
672       +
673       +filename grf '.\afstand-sok.pdf';
674       +proc gplot  data=dis2;
675       +  plot (p lci uci) * Dist_c / overlay haxis=axis1 vaxis=axis2;
676       +  symbol1  c=black  w=4 interpol=join;
677       +  symbol2  c=grey  w=2 interpol=join;
678       +  symbol3  c=grey  w=2 interpol=join;
679       +  axis1 minor=(n=1) Label= (h=1.5 "Rodens afstand til center (km)" )
680       +        order=(0 to 4 by 0.5) value=(h=1.5);
681       +  axis2 minor=(n=1) Label=(A=90 h=1.5 "Prædikteret sandsynlighed for henvisning" )
682       +        order=(0 to 0.03 by 0.01) value=(h=1.5);
683       +run ;

684       +quit ;

NOTE: 344 records written to C:\Bendix\Steno\SundhedsFremme\kkh\sas\afstand-sok.pdf.
NOTE: There were 41 observations read from the data set WORK.DIS2.
NOTE: PROCEDURE GPLOT used (Total process time):
      real time           20.26 seconds
      cpu time            14.41 seconds


685       +
686       +/*
16 "Program: all.sas"                                          22:04 Wednesday, June 25, 2014

687       +ods graphics off;
688       +ods pdf close;
689       +*/
690       +
691       +*Samme procedure som ovenfor, men her er de fire befolkningsindikatorer inkluderet i
691      !+modellen
692       +i stedet for SØK scoren ;
693       +
694       +   proc genmod data=qq;
```

```
695       +class sex INGEN_UDD IKKE_VEST_ lav_indkom uf_arbejds;
696       +   model  n_henvis2/n = sex alder alder*alder Dist_c INGEN_UDD IKKE_VEST_ lav_indkom
696      !+uf_arbejds
697       + /  dist=binomial type3;
698       +output out=dis3 predicted=p lower=lci upper=uci;
699       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The data set WORK.DIS3 has 6451 observations and 25 variables.
NOTE: The PROCEDURE GENMOD printed pages 80-81.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.57 seconds
      cpu time            0.46 seconds


700       +
701       +data dis4;
702       +set dis3 (keep= org Dist_c p lci uci);
703       +number = _N_;
704       +where org=0 ;
705       +run;

NOTE: There were 41 observations read from the data set WORK.DIS3.
      WHERE org=0;
NOTE: The data set WORK.DIS4 has 41 observations and 6 variables.
NOTE: DATA statement used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


706       +
707       +/*
708       +ods pdf file = "N:\Projekt\Data\Programmer\afstand_bef.pdf";
709       +ods graphics on / width=6in height=4in border=off;
710       +*/
711       +
712       +filename grf '.\afstand-bef.pdf';
713       +proc gplot  data=dis4;
714       +  plot (p lci uci) * Dist_c / overlay haxis=axis1 vaxis=axis2;
715       +  symbol1  c=black  w=4 interpol=join;
716       +  symbol2  c=grey  w=2 interpol=join;
717       +  symbol3  c=grey  w=2 interpol=join;
718       +  axis1 minor=(n=1) Label= (h=1.5 "Rodens afstand til center (km)" )
719       +        order=(0 to 4 by 1) value=(h=1.5);
720       +  axis2 minor=(n=1) Label=(A=90 h=1.5 "Prædikteret sandsynlighed for henvisning" )
721       +        order=(0 to 0.03 by 0.01) value=(h=1.5);
722       +run ;
17 "Program: all.sas"                                          22:04 Wednesday, June 25, 2014


723       +quit ;

NOTE: 343 records written to C:\Bendix\Steno\SundhedsFremme\kkh\sas\afstand-bef.pdf.
NOTE: There were 41 observations read from the data set WORK.DIS4.
NOTE: PROCEDURE GPLOT used (Total process time):
      real time           19.58 seconds
      cpu time            14.80 seconds


724       +
725       +/*
726       +ods graphics off;
727       +ods pdf close;
728       +*/
729       +
730       +
731       +
732       +
733       +
734       +data oo ;
735       + set bef.bef3 end=slut ;
736       +    org = 1 ;
737       +    output ;
738       + if slut then do sokm = 4 to 20 by 1 ;
739       +       org= 0;
740       + sex = 1 ;
741       + dist_c = 1.8;
742       + Alder = 60 ;
743       + n_henvis2 = . ;
744       + n= . ;
745       +   output ;
746       + end ;
747       +run ;

NOTE: There were 6410 observations read from the data set BEF.BEF3.
NOTE: The data set WORK.OO has 6427 observations and 22 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
```

```
      cpu time            0.01 seconds


748       +
749       + proc genmod data=oo;
750       +class sex;
751       +   model  n_henvis2/n = sex alder alder*alder Dist_c sokm /  dist=binomial type3;
752       +output out=sok predicted=p lower=lci upper=uci;
753       +   run;

NOTE: Algorithm converged.
NOTE: The scale parameter was held fixed.
NOTE: The data set WORK.SOK has 6427 observations and 25 variables.
NOTE: The PROCEDURE GENMOD printed pages 82-83.
NOTE: PROCEDURE GENMOD used (Total process time):
      real time           0.42 seconds
      cpu time            0.32 seconds

18 "Program: all.sas"                                          22:04 Wednesday, June 25, 2014


754       +
755       +*Respondenter hvor org=0 udvælges ;
756       +
757       +data sok2;
758       +set sok (keep= org sokm p lci uci);
759       +number = _N_;
760       +where org=0 ;
761       +run;

NOTE: There were 17 observations read from the data set WORK.SOK.
      WHERE org=0;
NOTE: The data set WORK.SOK2 has 17 observations and 6 variables.
NOTE: DATA statement used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


762       +
763       +/*
764       +proc gplot  data=sok2;
765       +   plot (p lci uci) * sokm / overlay haxis=axis1 vaxis=axis2;
766       +     symbol1 c=black w=4 interpol=join;
767       +     symbol2 c=grey  w=2 interpol=join;
768       +     symbol3 c=grey  w=2 interpol=join;
769       +     axis1 minor=(n=1) Label= (h=1.5 "Søk score" ) order=(4 to 20 by 1) value=(h=1.5)
769      !+;
770       +     axis2 minor=(n=1) Label=(A=90 h=1.5 "Prædikteret sandsynlighed for henvisning" )
771       +           order=(0 to 0.03 by 0.01) value=(h=1.5);
772       +run;
773       +*/
774       +
NOTE: %INCLUDE (level 1) ending.
ERROR: Errors printed on page 1.

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414
NOTE: The SAS System used:
      real time           1:57.54
      cpu time            1:16.81

The SAS System                                                 22:04 Wednesday, June 25, 2014   1

The FREQ Procedure

                          IKKE_VEST_

                                              Cumulative    Cumulative
IKKE_VEST_    Frequency     Percent     Frequency      Percent
-----------------------------------------------------------------
         2           95       27.38            95        27.38
         3          166       47.84           261        75.22
         4            3        0.86           264        76.08
         5           83       23.92           347       100.00


                          INGEN_UDD

                                             Cumulative    Cumulative
INGEN_UDD     Frequency     Percent     Frequency      Percent
----------------------------------------------------------------
        1           30        8.65            30         8.65
        2           57       16.43            87        25.07
        3          121       34.87           208        59.94
        4           62       17.87           270        77.81
        5           77       22.19           347       100.00


                          LAV_INDKOM
```

LAV_INDKOM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	45	12.97	45	12.97
2	177	51.01	222	63.98
3	46	13.26	268	77.23
4	36	10.37	304	87.61
5	43	12.39	347	100.00

UF_ARBEJDS

UF_ARBEJDS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	17	4.90	17	4.90
2	49	14.12	66	19.02
3	131	37.75	197	56.77
4	55	15.85	252	72.62
5	95	27.38	347	100.00

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
i_afstandkm	347	2.3052436	1.2806894	0.0025800	4.9257154
sokm	347	12.5475504	4.4011183	5.0000000	20.0000000

The FREQ Procedure

sex	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	192	55.33	192	55.33
1	155	44.67	347	100.00

alde	Frequency	Percent	Cumulative Frequency	Cumulative Percent
18-39	31	8.93	31	8.93
40-49	44	12.68	75	21.61
50-59	81	23.34	156	44.96
60-69	106	30.55	262	75.50
70 eller derover	85	24.50	347	100.00

The FREQ Procedure

p1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	121	34.87	121	34.87
1	226	65.13	347	100.00

p2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	262	75.50	262	75.50
1	85	24.50	347	100.00

n	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	311	89.63	311	89.63
1	36	10.37	347	100.00

The FREQ Procedure

Afsluttet forløb efter aftale

Succes	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	112	36.01	112	36.01
1	199	63.99	311	100.00

The TTEST Procedure

Variable: i_afstandkm

p	N	Mean	Std Dev	Std Err	Minimum	Maximum

```
0              36      2.1442      1.2658      0.2110      0.2689      4.7755
1             311      2.3239      1.2831      0.0728     0.00258      4.9257
Diff (1-2)            -0.1797      1.2814      0.2256

p             Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                                 2.1442      1.7159   2.5724      1.2658      1.0267   1.6512
1                                 2.3239      2.1807   2.4671      1.2831      1.1896   1.3927
Diff (1-2)    Pooled             -0.1797     -0.6234   0.2640      1.2814      1.1925   1.3847
Diff (1-2)    Satterthwaite      -0.1797     -0.6296   0.2701

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           345      -0.80      0.4261
Satterthwaite    Unequal      43.751      -0.81      0.4249

             Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F       310        35       1.03    0.9682


Variable:  sokm

p               N        Mean     Std Dev     Std Err     Minimum     Maximum

0              36     12.1944      4.2549      0.7091      7.0000     20.0000
1             311     12.5884      4.4226      0.2508      5.0000     20.0000
Diff (1-2)            -0.3940      4.4058      0.7756

p             Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                                12.1944     10.7548  13.6341      4.2549      3.4511   5.5502
1                                12.5884     12.0950  13.0819      4.4226      4.1002   4.8004
Diff (1-2)    Pooled             -0.3940     -1.9196   1.1316      4.4058      4.1002   4.7611
Diff (1-2)    Satterthwaite      -0.3940     -1.9097   1.1217

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           345      -0.51      0.6118
Satterthwaite    Unequal      44.223      -0.52      0.6030

             Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F       310        35       1.08    0.8138
The SAS System                                                    22:04 Wednesday, June 25, 2014   7

The FREQ Procedure

Table of sex by p

sex       p

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       0 |     14 |    178 |    192
         |   4.03 |  51.30 |  55.33
         |   7.29 |  92.71 |
         |  38.89 |  57.23 |
---------+--------+--------+
       1 |     22 |    133 |    155
         |   6.34 |  38.33 |  44.67
         |  14.19 |  85.81 |
         |  61.11 |  42.77 |
---------+--------+--------+
Total          36      311      347
            10.37    89.63   100.00


Statistics for Table of sex by p

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     1      4.3937    0.0361
Likelihood Ratio Chi-Square    1      4.3741    0.0365
Continuity Adj. Chi-Square     1      3.6828    0.0550
Mantel-Haenszel Chi-Square     1      4.3811    0.0363
Phi Coefficient                      -0.1125
Contingency Coefficient               0.1118
Cramer's V                           -0.1125
```

```
       Fisher's Exact Test
---------------------------------
Cell (1,1) Frequency (F)        14
Left-sided Pr <= F          0.0277
Right-sided Pr >= F         0.9884

Table Probability (P)       0.0161
Two-sided Pr <= P           0.0503

Sample Size = 347


Table of alde by p

alde              p

Frequency         |
Percent           |
Row Pct           |
Col Pct           |       0|       1|  Total
------------------ -------- --------
18-39             |      1 |     30 |     31
                  |   0.29 |   8.65 |   8.93
                  |   3.23 |  96.77 |
                  |   2.78 |   9.65 |
------------------ -------- --------
40-49             |      7 |     37 |     44
                  |   2.02 |  10.66 |  12.68
                  |  15.91 |  84.09 |
                  |  19.44 |  11.90 |
------------------ -------- --------
50-59             |     11 |     70 |     81
                  |   3.17 |  20.17 |  23.34
                  |  13.58 |  86.42 |
                  |  30.56 |  22.51 |
------------------ -------- --------
60-69             |     12 |     94 |    106
                  |   3.46 |  27.09 |  30.55
                  |  11.32 |  88.68 |
                  |  33.33 |  30.23 |
------------------ -------- --------
70 eller derover  |      5 |     80 |     85
                  |   1.44 |  23.05 |  24.50
                  |   5.88 |  94.12 |
                  |  13.89 |  25.72 |
------------------ -------- --------
Total                  36      311      347
                    10.37    89.63   100.00
```



```
The FREQ Procedure

Statistics for Table of alde by p

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      5.9953    0.1995
Likelihood Ratio Chi-Square    4      6.6117    0.1579
Mantel-Haenszel Chi-Square     1      0.4344    0.5098
Phi Coefficient                       0.1314
Contingency Coefficient               0.1303
Cramer's V                            0.1314

Sample Size = 347


Table of IKKE_VEST_ by p

IKKE_VEST_(IKKE_VEST_)     p

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
--------- -------- --------
       2 |      7 |     88 |     95
         |   2.02 |  25.36 |  27.38
         |   7.37 |  92.63 |
         |  19.44 |  28.30 |
--------- -------- --------
       3 |     21 |    145 |    166
         |   6.05 |  41.79 |  47.84
         |  12.65 |  87.35 |
         |  58.33 |  46.62 |
--------- -------- --------
       4 |      0 |      3 |      3
         |   0.00 |   0.86 |   0.86
         |   0.00 | 100.00 |
         |   0.00 |   0.96 |
```

```
--------- -------- --------
       5 |      8 |     75 |     83
         |   2.31 |  21.61 |  23.92
         |   9.64 |  90.36 |
         |  22.22 |  24.12 |
--------- -------- --------
Total          36      311      347
            10.37    89.63   100.00


Statistics for Table of IKKE_VEST_ by p

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     3      2.2437    0.5234
Likelihood Ratio Chi-Square    3      2.5938    0.4586
Mantel-Haenszel Chi-Square     1      0.0453    0.8315
Phi Coefficient                       0.0804
Contingency Coefficient               0.0802
Cramer's V                            0.0804

 WARNING: 25% of the cells have expected counts less
          than 5. Chi-Square may not be a valid test.

Sample Size = 347


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The FREQ Procedure

Table of INGEN_UDD by p

INGEN_UDD(INGEN_UDD)     p

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
--------- -------- --------
       1 |      5 |     25 |     30
         |   1.44 |   7.20 |   8.65
         |  16.67 |  83.33 |
         |  13.89 |   8.04 |
--------- -------- --------
       2 |      3 |     54 |     57
         |   0.86 |  15.56 |  16.43
         |   5.26 |  94.74 |
         |   8.33 |  17.36 |
--------- -------- --------
       3 |     18 |    103 |    121
         |   5.19 |  29.68 |  34.87
         |  14.88 |  85.12 |
         |  50.00 |  33.12 |
--------- -------- --------
       4 |      2 |     60 |     62
         |   0.58 |  17.29 |  17.87
         |   3.23 |  96.77 |
         |   5.56 |  19.29 |
--------- -------- --------
       5 |      8 |     69 |     77
         |   2.31 |  19.88 |  22.19
         |  10.39 |  89.61 |
         |  22.22 |  22.19 |
--------- -------- --------
Total          36      311      347
            10.37    89.63   100.00


Statistics for Table of INGEN_UDD by p

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      8.9234    0.0630
Likelihood Ratio Chi-Square    4      9.9145    0.0419
Mantel-Haenszel Chi-Square     1      0.5743    0.4486
Phi Coefficient                       0.1604
Contingency Coefficient               0.1583
Cramer's V                            0.1604

Sample Size = 347


Table of LAV_INDKOM by p

LAV_INDKOM(LAV_INDKOM)     p

Frequency|
Percent  |
```

```
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       1 |      5 |     40 |     45
         |   1.44 |  11.53 |  12.97
         |  11.11 |  88.89 |
         |  13.89 |  12.86 |
---------+--------+--------+
       2 |     23 |    154 |    177
         |   6.63 |  44.38 |  51.01
         |  12.99 |  87.01 |
         |  63.89 |  49.52 |
---------+--------+--------+
       3 |      0 |     46 |     46
         |   0.00 |  13.26 |  13.26
         |   0.00 | 100.00 |
         |   0.00 |  14.79 |
---------+--------+--------+
       4 |      4 |     32 |     36
         |   1.15 |   9.22 |  10.37
         |  11.11 |  88.89 |
         |  11.11 |  10.29 |
---------+--------+--------+
       5 |      4 |     39 |     43
         |   1.15 |  11.24 |  12.39
         |   9.30 |  90.70 |
         |  11.11 |  12.54 |
---------+--------+--------+
Total          36      311      347
            10.37    89.63   100.00
```


The FREQ Procedure

Statistics for Table of LAV_INDKOM by p

Statistic	DF	Value	Prob
Chi-Square	4	6.7316	0.1508
Likelihood Ratio Chi-Square	4	11.3981	0.0224
Mantel-Haenszel Chi-Square	1	0.7544	0.3851
Phi Coefficient		0.1393	
Contingency Coefficient		0.1379	
Cramer's V		0.1393	

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Sample Size = 347

Table of UF_ARBEJDS by p

```
UF_ARBEJDS(UF_ARBEJDS)     p

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       1 |      0 |     17 |     17
         |   0.00 |   4.90 |   4.90
         |   0.00 | 100.00 |
         |   0.00 |   5.47 |
---------+--------+--------+
       2 |      5 |     44 |     49
         |   1.44 |  12.68 |  14.12
         |  10.20 |  89.80 |
         |  13.89 |  14.15 |
---------+--------+--------+
       3 |     20 |    111 |    131
         |   5.76 |  31.99 |  37.75
         |  15.27 |  84.73 |
         |  55.56 |  35.69 |
---------+--------+--------+
       4 |      3 |     52 |     55
         |   0.86 |  14.99 |  15.85
         |   5.45 |  94.55 |
         |   8.33 |  16.72 |
---------+--------+--------+
       5 |      8 |     87 |     95
         |   2.31 |  25.07 |  27.38
         |   8.42 |  91.58 |
         |  22.22 |  27.97 |
---------+--------+--------+
Total          36      311      347
            10.37    89.63   100.00
```

```
Statistics for Table of UF_ARBEJDS by p

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      7.1636    0.1275
Likelihood Ratio Chi-Square    4      8.8317    0.0654
Mantel-Haenszel Chi-Square     1      0.1774    0.6737
Phi Coefficient                       0.1437
Contingency Coefficient               0.1422
Cramer's V                            0.1437

Sample Size = 347
```



```
The TTEST Procedure

Variable:  i_afstandkm

p1               N        Mean     Std Dev     Std Err     Minimum     Maximum

0              121      2.3166      1.2867      0.1170      0.0186      4.9257
1              226      2.2992      1.2803      0.0852     0.00258      4.8534
Diff (1-2)              0.0174      1.2825      0.1445

p1            Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                                 2.3166      2.0850   2.5482      1.2867      1.1425   1.4729
1                                 2.2992      2.1313   2.4670      1.2803      1.1721   1.4106
Diff (1-2)    Pooled              0.0174     -0.2667   0.3016      1.2825      1.1935   1.3859
Diff (1-2)    Satterthwaite       0.0174     -0.2676   0.3024

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           345       0.12      0.9041
Satterthwaite    Unequal      244.32       0.12      0.9042

              Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F       120       225       1.01    0.9372


Variable:  sokm

p1               N        Mean     Std Dev     Std Err     Minimum     Maximum

0              121     12.4628      4.4834      0.4076      5.0000     20.0000
1              226     12.5929      4.3658      0.2904      5.0000     20.0000
Diff (1-2)             -0.1301      4.4071      0.4964

p1            Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                                12.4628     11.6558  13.2698      4.4834      3.9808   5.1323
1                                12.5929     12.0207  13.1652      4.3658      3.9970   4.8102
Diff (1-2)    Pooled             -0.1301     -1.1065   0.8463      4.4071      4.1013   4.7624
Diff (1-2)    Satterthwaite      -0.1301     -1.1160   0.8557

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           345      -0.26      0.7934
Satterthwaite    Unequal      239.81      -0.26      0.7951

              Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F       120       225       1.05    0.7270
```



```
The FREQ Procedure

Table of sex by p1

sex       p1

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       0 |     69 |    123 |    192
         |  19.88 |  35.45 |  55.33
         |  35.94 |  64.06 |
         |  57.02 |  54.42 |
---------+--------+--------+
       1 |     52 |    103 |    155
         |  14.99 |  29.68 |  44.67
         |  33.55 |  66.45 |
```

```
         |  42.98 |  45.58 |
---------- -------- --------
Total         121      226      347
            34.87    65.13   100.00


Statistics for Table of sex by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     1      0.2155    0.6425
Likelihood Ratio Chi-Square    1      0.2158    0.6422
Continuity Adj. Chi-Square     1      0.1232    0.7256
Mantel-Haenszel Chi-Square     1      0.2149    0.6429
Phi Coefficient                       0.0249
Contingency Coefficient               0.0249
Cramer's V                            0.0249


       Fisher's Exact Test
----------------------------------
Cell (1,1) Frequency (F)        69
Left-sided Pr <= F          0.7179
Right-sided Pr >= F         0.3632

Table Probability (P)       0.0811
Two-sided Pr <= P           0.6523

Sample Size = 347


Table of alde by p1

alde              p1

Frequency        |
Percent          |
Row Pct          |
Col Pct          |       0|       1|  Total
---------------- | -------- --------
18-39            |      4 |     27 |     31
                 |   1.15 |   7.78 |   8.93
                 |  12.90 |  87.10 |
                 |   3.31 |  11.95 |
---------------- | -------- --------
40-49            |     18 |     26 |     44
                 |   5.19 |   7.49 |  12.68
                 |  40.91 |  59.09 |
                 |  14.88 |  11.50 |
---------------- | -------- --------
50-59            |     47 |     34 |     81
                 |  13.54 |   9.80 |  23.34
                 |  58.02 |  41.98 |
                 |  38.84 |  15.04 |
---------------- | -------- --------
60-69            |     29 |     77 |    106
                 |   8.36 |  22.19 |  30.55
                 |  27.36 |  72.64 |
                 |  23.97 |  34.07 |
---------------- | -------- --------
70 eller derover |     23 |     62 |     85
                 |   6.63 |  17.87 |  24.50
                 |  27.06 |  72.94 |
                 |  19.01 |  27.43 |
---------------- | -------- --------
Total                121      226      347
                   34.87    65.13   100.00
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The FREQ Procedure

Statistics for Table of alde by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4     31.3320    <.0001
Likelihood Ratio Chi-Square    4     31.5447    <.0001
Mantel-Haenszel Chi-Square     1      0.8742    0.3498
Phi Coefficient                       0.3005
Contingency Coefficient               0.2878
Cramer's V                            0.3005

Sample Size = 347


Table of IKKE_VEST_ by p1

IKKE_VEST_(IKKE_VEST_)     p1
```

Frequency Percent Row Pct Col Pct	0	1	Total
2	33 9.51 34.74 27.27	62 17.87 65.26 27.43	95 27.38
3	58 16.71 34.94 47.93	108 31.12 65.06 47.79	166 47.84
4	1 0.29 33.33 0.83	2 0.58 66.67 0.88	3 0.86
5	29 8.36 34.94 23.97	54 15.56 65.06 23.89	83 23.92
Total	121 34.87	226 65.13	347 100.00

Statistics for Table of IKKE_VEST_ by p1

Statistic	DF	Value	Prob
Chi-Square	3	0.0044	0.9999
Likelihood Ratio Chi-Square	3	0.0044	0.9999
Mantel-Haenszel Chi-Square	1	0.0004	0.9839
Phi Coefficient		0.0036	
Contingency Coefficient		0.0036	
Cramer's V		0.0036	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Sample Size = 347

The FREQ Procedure

Table of INGEN_UDD by p1

INGEN_UDD(INGEN_UDD) p1

Frequency Percent Row Pct Col Pct	0	1	Total
1	13 3.75 43.33 10.74	17 4.90 56.67 7.52	30 8.65
2	17 4.90 29.82 14.05	40 11.53 70.18 17.70	57 16.43
3	44 12.68 36.36 36.36	77 22.19 63.64 34.07	121 34.87
4	19 5.48 30.65 15.70	43 12.39 69.35 19.03	62 17.87
5	28 8.07 36.36 23.14	49 14.12 63.64 21.68	77 22.19
Total	121 34.87	226 65.13	347 100.00

Statistics for Table of INGEN_UDD by p1

```
Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      2.2669    0.6868
Likelihood Ratio Chi-Square    4      2.2626    0.6876
Mantel-Haenszel Chi-Square     1      0.0538    0.8166
Phi Coefficient                       0.0808
Contingency Coefficient               0.0806
Cramer's V                            0.0808

Sample Size = 347


Table of LAV_INDKOM by p1

LAV_INDKOM(LAV_INDKOM)     p1

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       1 |     20 |     25 |     45
         |   5.76 |   7.20 |  12.97
         |  44.44 |  55.56 |
         |  16.53 |  11.06 |
---------+--------+--------+
       2 |     60 |    117 |    177
         |  17.29 |  33.72 |  51.01
         |  33.90 |  66.10 |
         |  49.59 |  51.77 |
---------+--------+--------+
       3 |     14 |     32 |     46
         |   4.03 |   9.22 |  13.26
         |  30.43 |  69.57 |
         |  11.57 |  14.16 |
---------+--------+--------+
       4 |     12 |     24 |     36
         |   3.46 |   6.92 |  10.37
         |  33.33 |  66.67 |
         |   9.92 |  10.62 |
---------+--------+--------+
       5 |     15 |     28 |     43
         |   4.32 |   8.07 |  12.39
         |  34.88 |  65.12 |
         |  12.40 |  12.39 |
---------+--------+--------+
Total         121      226      347
            34.87    65.13   100.00
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The FREQ Procedure

Statistics for Table of LAV_INDKOM by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      2.3258    0.6761
Likelihood Ratio Chi-Square    4      2.2732    0.6857
Mantel-Haenszel Chi-Square     1      0.4816    0.4877
Phi Coefficient                       0.0819
Contingency Coefficient               0.0816
Cramer's V                            0.0819

Sample Size = 347


Table of UF_ARBEJDS by p1

UF_ARBEJDS(UF_ARBEJDS)     p1

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       1 |      6 |     11 |     17
         |   1.73 |   3.17 |   4.90
         |  35.29 |  64.71 |
         |   4.96 |   4.87 |
---------+--------+--------+
       2 |     15 |     34 |     49
         |   4.32 |   9.80 |  14.12
         |  30.61 |  69.39 |
         |  12.40 |  15.04 |
---------+--------+--------+
       3 |     50 |     81 |    131
         |  14.41 |  23.34 |  37.75
         |  38.17 |  61.83 |
```

```
         |  41.32 |  35.84 |
---------+--------+--------+
       4 |     17 |     38 |     55
         |   4.90 |  10.95 |  15.85
         |  30.91 |  69.09 |
         |  14.05 |  16.81 |
---------+--------+--------+
       5 |     33 |     62 |     95
         |   9.51 |  17.87 |  27.38
         |  34.74 |  65.26 |
         |  27.27 |  27.43 |
---------+--------+--------+
Total         121      226      347
            34.87    65.13   100.00


Statistics for Table of UF_ARBEJDS by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      1.4005    0.8441
Likelihood Ratio Chi-Square    4      1.4075    0.8429
Mantel-Haenszel Chi-Square     1      0.0022    0.9625
Phi Coefficient                       0.0635
Contingency Coefficient               0.0634
Cramer's V                            0.0635

Sample Size = 347
```



```
The TTEST Procedure

Variable:  i_afstandkm

p1               N        Mean     Std Dev     Std Err     Minimum     Maximum

0               85      2.3896      1.2959      0.1406      0.0186      4.9257
1              226      2.2992      1.2803      0.0852     0.00258      4.8534
Diff (1-2)              0.0905      1.2845      0.1634

p1            Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                              2.3896      2.1101   2.6691      1.2959      1.1261   1.5265
1                              2.2992      2.1313   2.4670      1.2803      1.1721   1.4106
Diff (1-2)    Pooled           0.0905     -0.2311   0.4121      1.2845      1.1908   1.3945
Diff (1-2)    Satterthwaite    0.0905     -0.2343   0.4152

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           309       0.55      0.5804
Satterthwaite    Unequal      149.47       0.55      0.5829

             Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F        84       225       1.02    0.8715


Variable:  sokm

p1               N        Mean     Std Dev     Std Err     Minimum     Maximum

0               85     12.5765      4.5965      0.4986      5.0000     20.0000
1              226     12.5929      4.3658      0.2904      5.0000     20.0000
Diff (1-2)             -0.0164      4.4297      0.5636

p1            Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                             12.5765     11.5850  13.5679      4.5965      3.9942   5.4144
1                             12.5929     12.0207  13.1652      4.3658      3.9970   4.8102
Diff (1-2)    Pooled          -0.0164     -1.1255   1.0926      4.4297      4.1063   4.8088
Diff (1-2)    Satterthwaite   -0.0164     -1.1569   1.1240

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           309      -0.03      0.9767
Satterthwaite    Unequal      144.46      -0.03      0.9773

             Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F        84       225       1.11    0.5482
```



```
The FREQ Procedure

Table of sex by p1
```

```
sex       p1

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
---------+--------+--------+
       0 |     55 |    123 |    178
         |  17.68 |  39.55 |  57.23
         |  30.90 |  69.10 |
         |  64.71 |  54.42 |
---------+--------+--------+
       1 |     30 |    103 |    133
         |   9.65 |  33.12 |  42.77
         |  22.56 |  77.44 |
         |  35.29 |  45.58 |
---------+--------+--------+
Total          85      226      311
            27.33    72.67   100.00


Statistics for Table of sex by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     1      2.6674    0.1024
Likelihood Ratio Chi-Square    1      2.7009    0.1003
Continuity Adj. Chi-Square     1      2.2639    0.1324
Mantel-Haenszel Chi-Square     1      2.6589    0.1030
Phi Coefficient                       0.0926
Contingency Coefficient               0.0922
Cramer's V                            0.0926


       Fisher's Exact Test
---------------------------------
Cell (1,1) Frequency (F)        55
Left-sided Pr <= F          0.9616
Right-sided Pr >= F         0.0656

Table Probability (P)       0.0272
Two-sided Pr <= P           0.1228

Sample Size = 311


Table of alde by p1

alde              p1

Frequency         |
Percent           |
Row Pct           |
Col Pct           |       0|       1|  Total
------------------+--------+--------+
18-39             |      3 |     27 |     30
                  |   0.96 |   8.68 |   9.65
                  |  10.00 |  90.00 |
                  |   3.53 |  11.95 |
------------------+--------+--------+
40-49             |     11 |     26 |     37
                  |   3.54 |   8.36 |  11.90
                  |  29.73 |  70.27 |
                  |  12.94 |  11.50 |
------------------+--------+--------+
50-59             |     36 |     34 |     70
                  |  11.58 |  10.93 |  22.51
                  |  51.43 |  48.57 |
                  |  42.35 |  15.04 |
------------------+--------+--------+
60-69             |     17 |     77 |     94
                  |   5.47 |  24.76 |  30.23
                  |  18.09 |  81.91 |
                  |  20.00 |  34.07 |
------------------+--------+--------+
70 eller derover  |     18 |     62 |     80
                  |   5.79 |  19.94 |  25.72
                  |  22.50 |  77.50 |
                  |  21.18 |  27.43 |
------------------+--------+--------+
Total                 85      226      311
                   27.33    72.67   100.00
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The FREQ Procedure

Statistics for Table of alde by p1
```

Statistic	DF	Value	Prob
Chi-Square	4	30.0964	<.0001
Likelihood Ratio Chi-Square	4	29.1267	<.0001
Mantel-Haenszel Chi-Square	1	0.4873	0.4851
Phi Coefficient		0.3111	
Contingency Coefficient		0.2970	
Cramer's V		0.3111	

Sample Size = 311

Table of IKKE_VEST_ by p1

IKKE_VEST_(IKKE_VEST_) p1

Frequency / Percent / Row Pct / Col Pct	0	1	Total
2	26	62	88
	8.36	19.94	28.30
	29.55	70.45	
	30.59	27.43	
3	37	108	145
	11.90	34.73	46.62
	25.52	74.48	
	43.53	47.79	
4	1	2	3
	0.32	0.64	0.96
	33.33	66.67	
	1.18	0.88	
5	21	54	75
	6.75	17.36	24.12
	28.00	72.00	
	24.71	23.89	
Total	85	226	311
	27.33	72.67	100.00

Statistics for Table of IKKE_VEST_ by p1

Statistic	DF	Value	Prob
Chi-Square	3	0.5288	0.9125
Likelihood Ratio Chi-Square	3	0.5265	0.9130
Mantel-Haenszel Chi-Square	1	0.0078	0.9297
Phi Coefficient		0.0412	
Contingency Coefficient		0.0412	
Cramer's V		0.0412	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Sample Size = 311

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The FREQ Procedure

Table of INGEN_UDD by p1

INGEN_UDD(INGEN_UDD) p1

Frequency / Percent / Row Pct / Col Pct	0	1	Total
1	8	17	25
	2.57	5.47	8.04
	32.00	68.00	
	9.41	7.52	
2	14	40	54
	4.50	12.86	17.36
	25.93	74.07	
	16.47	17.70	
3	26	77	103
	8.36	24.76	33.12
	25.24	74.76	
	30.59	34.07	

```
--------- -------- --------
       4 |     17 |     43 |     60
         |   5.47 |  13.83 |  19.29
         |  28.33 |  71.67 |
         |  20.00 |  19.03 |
--------- -------- --------
       5 |     20 |     49 |     69
         |   6.43 |  15.76 |  22.19
         |  28.99 |  71.01 |
         |  23.53 |  21.68 |
--------- -------- --------
Total          85      226      311
            27.33    72.67   100.00


Statistics for Table of INGEN_UDD by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      0.6797    0.9538
Likelihood Ratio Chi-Square    4      0.6739    0.9545
Mantel-Haenszel Chi-Square     1      0.0186    0.8915
Phi Coefficient                       0.0467
Contingency Coefficient               0.0467
Cramer's V                            0.0467

Sample Size = 311


Table of LAV_INDKOM by p1

LAV_INDKOM(LAV_INDKOM)     p1

Frequency|
Percent  |
Row Pct  |
Col Pct  |       0|       1|  Total
--------- -------- --------
       1 |     15 |     25 |     40
         |   4.82 |   8.04 |  12.86
         |  37.50 |  62.50 |
         |  17.65 |  11.06 |
--------- -------- --------
       2 |     37 |    117 |    154
         |  11.90 |  37.62 |  49.52
         |  24.03 |  75.97 |
         |  43.53 |  51.77 |
--------- -------- --------
       3 |     14 |     32 |     46
         |   4.50 |  10.29 |  14.79
         |  30.43 |  69.57 |
         |  16.47 |  14.16 |
--------- -------- --------
       4 |      8 |     24 |     32
         |   2.57 |   7.72 |  10.29
         |  25.00 |  75.00 |
         |   9.41 |  10.62 |
--------- -------- --------
       5 |     11 |     28 |     39
         |   3.54 |   9.00 |  12.54
         |  28.21 |  71.79 |
         |  12.94 |  12.39 |
--------- -------- --------
Total          85      226      311
            27.33    72.67   100.00
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The FREQ Procedure

Statistics for Table of LAV_INDKOM by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      3.2552    0.5161
Likelihood Ratio Chi-Square    4      3.1444    0.5340
Mantel-Haenszel Chi-Square     1      0.1072    0.7433
Phi Coefficient                       0.1023
Contingency Coefficient               0.1018
Cramer's V                            0.1023

Sample Size = 311


Table of UF_ARBEJDS by p1

UF_ARBEJDS(UF_ARBEJDS)     p1

Frequency|
Percent  |
```

```
Row Pct  |
Col Pct  |       0|       1|  Total
---------|--------|--------|
       1 |      6 |     11 |     17
         |   1.93 |   3.54 |   5.47
         |  35.29 |  64.71 |
         |   7.06 |   4.87 |
---------|--------|--------|
       2 |     10 |     34 |     44
         |   3.22 |  10.93 |  14.15
         |  22.73 |  77.27 |
         |  11.76 |  15.04 |
---------|--------|--------|
       3 |     30 |     81 |    111
         |   9.65 |  26.05 |  35.69
         |  27.03 |  72.97 |
         |  35.29 |  35.84 |
---------|--------|--------|
       4 |     14 |     38 |     52
         |   4.50 |  12.22 |  16.72
         |  26.92 |  73.08 |
         |  16.47 |  16.81 |
---------|--------|--------|
       5 |     25 |     62 |     87
         |   8.04 |  19.94 |  27.97
         |  28.74 |  71.26 |
         |  29.41 |  27.43 |
---------|--------|--------|
Total          85      226      311
           27.33    72.67   100.00


Statistics for Table of UF_ARBEJDS by p1

Statistic                     DF       Value      Prob
------------------------------------------------------
Chi-Square                     4      1.1082    0.8930
Likelihood Ratio Chi-Square    4      1.0979    0.8946
Mantel-Haenszel Chi-Square     1      0.0273    0.8688
Phi Coefficient                       0.0597
Contingency Coefficient               0.0596
Cramer's V                            0.0597

Sample Size = 311
```



```
The TTEST Procedure

Variable:  i_afstandkm

Succes           N        Mean     Std Dev     Std Err     Minimum     Maximum

0              112      2.2900      1.3121      0.1240      0.3509      4.9257
1              199      2.3430      1.2695      0.0900     0.00258      4.8534
Diff (1-2)            -0.0530      1.2849      0.1518

Succes        Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                                 2.2900      2.0443   2.5356      1.3121      1.1599   1.5107
1                                 2.3430      2.1655   2.5205      1.2695      1.1558   1.4081
Diff (1-2)    Pooled             -0.0530     -0.3517   0.2456      1.2849      1.1911   1.3949
Diff (1-2)    Satterthwaite      -0.0530     -0.3549   0.2489

Method           Variances        DF    t Value    Pr > |t|

Pooled           Equal           309      -0.35      0.7270
Satterthwaite    Unequal      223.92      -0.35      0.7295

             Equality of Variances

Method      Num DF    Den DF    F Value    Pr > F

Folded F       111       198       1.07    0.6816


Variable:  sokm

Succes           N        Mean     Std Dev     Std Err     Minimum     Maximum

0              112     12.8661      4.6276      0.4373      5.0000     20.0000
1              199     12.4322      4.3069      0.3053      5.0000     20.0000
Diff (1-2)              0.4339      4.4248      0.5227

Succes        Method               Mean       95% CL Mean        Std Dev      95% CL Std Dev

0                                12.8661     11.9996  13.7325      4.6276      4.0907   5.3280
1                                12.4322     11.8301  13.0342      4.3069      3.9213   4.7774
Diff (1-2)    Pooled              0.4339     -0.5946   1.4624      4.4248      4.1017   4.8035
Diff (1-2)    Satterthwaite       0.4339     -0.6172   1.4850
```

Method	Variances	DF	t Value	Pr > |t|
Pooled	Equal	309	0.83	0.4071
Satterthwaite	Unequal	216.73	0.81	0.4168

Equality of Variances

Method	Num DF	Den DF	F Value	Pr > F
Folded F	111	198	1.15	0.3809

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The FREQ Procedure

Table of sex by Succes

sex
Succes(Afsluttet forløb efter aftale)

Frequency / Percent / Row Pct / Col Pct	0	1	Total
0	65 20.90 36.52 58.04	113 36.33 63.48 56.78	178 57.23
1	47 15.11 35.34 41.96	86 27.65 64.66 43.22	133 42.77
Total	112 36.01	199 63.99	311 100.00

Statistics for Table of sex by Succes

Statistic	DF	Value	Prob
Chi-Square	1	0.0459	0.8304
Likelihood Ratio Chi-Square	1	0.0459	0.8303
Continuity Adj. Chi-Square	1	0.0090	0.9245
Mantel-Haenszel Chi-Square	1	0.0457	0.8307
Phi Coefficient		0.0121	
Contingency Coefficient		0.0121	
Cramer's V		0.0121	

Fisher's Exact Test

Cell (1,1) Frequency (F)	65
Left-sided Pr <= F	0.6301
Right-sided Pr >= F	0.4629
Table Probability (P)	0.0929
Two-sided Pr <= P	0.9050

Sample Size = 311

Table of alde by Succes

alde
Succes(Afsluttet forløb efter aftale)

Frequency / Percent / Row Pct / Col Pct	0	1	Total
18-39	6 1.93 20.00 5.36	24 7.72 80.00 12.06	30 9.65
40-49	19 6.11 51.35 16.96	18 5.79 48.65 9.05	37 11.90
50-59	30 9.65 42.86 26.79	40 12.86 57.14 20.10	70 22.51

60-69	27	67	94
	8.68	21.54	30.23
	28.72	71.28	
	24.11	33.67	
70 eller derover	30	50	80
	9.65	16.08	25.72
	37.50	62.50	
	26.79	25.13	
Total	112	199	311
	36.01	63.99	100.00

The FREQ Procedure

Statistics for Table of alde by Succes

Statistic	DF	Value	Prob
Chi-Square	4	10.7831	0.0291
Likelihood Ratio Chi-Square	4	10.9894	0.0267
Mantel-Haenszel Chi-Square	1	0.0026	0.9596
Phi Coefficient		0.1862	
Contingency Coefficient		0.1831	
Cramer's V		0.1862	

Sample Size = 311

Table of IKKE_VEST_ by Succes

IKKE_VEST_(IKKE_VEST_)
Succes(Afsluttet forløb efter aftale)

Frequency / Percent / Row Pct / Col Pct	0	1	Total
2	30	58	88
	9.65	18.65	28.30
	34.09	65.91	
	26.79	29.15	
3	49	96	145
	15.76	30.87	46.62
	33.79	66.21	
	43.75	48.24	
4	1	2	3
	0.32	0.64	0.96
	33.33	66.67	
	0.89	1.01	
5	32	43	75
	10.29	13.83	24.12
	42.67	57.33	
	28.57	21.61	
Total	112	199	311
	36.01	63.99	100.00

Statistics for Table of IKKE_VEST_ by Succes

Statistic	DF	Value	Prob
Chi-Square	3	1.9014	0.5931
Likelihood Ratio Chi-Square	3	1.8725	0.5993
Mantel-Haenszel Chi-Square	1	1.5400	0.2146
Phi Coefficient		0.0782	
Contingency Coefficient		0.0780	
Cramer's V		0.0782	

WARNING: 25% of the cells have expected counts less
than 5. Chi-Square may not be a valid test.

Sample Size = 311

The FREQ Procedure

Table of INGEN_UDD by Succes

INGEN_UDD(INGEN_UDD)
Succes(Afsluttet forløb efter aftale)

Frequency Percent Row Pct Col Pct	0	1	Total
1	11 3.54 44.00 9.82	14 4.50 56.00 7.04	25 8.04
2	14 4.50 25.93 12.50	40 12.86 74.07 20.10	54 17.36
3	42 13.50 40.78 37.50	61 19.61 59.22 30.65	103 33.12
4	15 4.82 25.00 13.39	45 14.47 75.00 22.61	60 19.29
5	30 9.65 43.48 26.79	39 12.54 56.52 19.60	69 22.19
Total	112 36.01	199 63.99	311 100.00

Statistics for Table of INGEN_UDD by Succes

Statistic	DF	Value	Prob
Chi-Square	4	8.9175	0.0632
Likelihood Ratio Chi-Square	4	9.1487	0.0575
Mantel-Haenszel Chi-Square	1	0.2483	0.6182
Phi Coefficient		0.1693	
Contingency Coefficient		0.1670	
Cramer's V		0.1693	

Sample Size = 311

Table of LAV_INDKOM by Succes

LAV_INDKOM(LAV_INDKOM)
Succes(Afsluttet forløb efter aftale)

Frequency Percent Row Pct Col Pct	0	1	Total
1	14 4.50 35.00 12.50	26 8.36 65.00 13.07	40 12.86
2	55 17.68 35.71 49.11	99 31.83 64.29 49.75	154 49.52
3	13 4.18 28.26 11.61	33 10.61 71.74 16.58	46 14.79
4	15 4.82 46.88 13.39	17 5.47 53.13 8.54	32 10.29
5	15 4.82 38.46 13.39	24 7.72 61.54 12.06	39 12.54
Total	112 36.01	199 63.99	311 100.00

The FREQ Procedure

Statistics for Table of LAV_INDKOM by Succes

Statistic	DF	Value	Prob
Chi-Square	4	2.9633	0.5640
Likelihood Ratio Chi-Square	4	2.9525	0.5658
Mantel-Haenszel Chi-Square	1	0.4234	0.5152
Phi Coefficient		0.0976	
Contingency Coefficient		0.0972	
Cramer's V		0.0976	

Sample Size = 311

Table of UF_ARBEJDS by Succes

UF_ARBEJDS(UF_ARBEJDS)
Succes(Afsluttet forløb efter aftale)

Frequency Percent Row Pct Col Pct	0	1	Total
1	5 1.61 29.41 4.46	12 3.86 70.59 6.03	17 5.47
2	18 5.79 40.91 16.07	26 8.36 59.09 13.07	44 14.15
3	37 11.90 33.33 33.04	74 23.79 66.67 37.19	111 35.69
4	15 4.82 28.85 13.39	37 11.90 71.15 18.59	52 16.72
5	37 11.90 42.53 33.04	50 16.08 57.47 25.13	87 27.97
Total	112 36.01	199 63.99	311 100.00

Statistics for Table of UF_ARBEJDS by Succes

Statistic	DF	Value	Prob
Chi-Square	4	3.8870	0.4215
Likelihood Ratio Chi-Square	4	3.8969	0.4201
Mantel-Haenszel Chi-Square	1	0.5810	0.4459
Phi Coefficient		0.1118	
Contingency Coefficient		0.1111	
Cramer's V		0.1118	

Sample Size = 311

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values

```
sex             2    0 1


         Response Profile

 Ordered    Binary          Total
   Value    Outcome     Frequency

       1    Event             347
       2    Nonevent        58347


      Parameter Information

Parameter       Effect         sex

Prm1            Intercept
Prm2            sex            0
Prm3            sex            1
Prm4            alder
Prm5            alder*alder
Prm6            SOKm
Prm7            dist_c


             Criteria For Assessing Goodness Of Fit

Criterion                     DF           Value        Value/DF

Deviance                    6404       1919.7297          0.2998
Scaled Deviance             6404       1919.7297          0.2998
Pearson Chi-Square          6404       7407.8252          1.1567
Scaled Pearson X2           6404       7407.8252          1.1567
Log Likelihood                        -1964.5652
Full Log Likelihood                   -1253.8059
AIC (smaller is better)                2519.6119
AICC (smaller is better)               2519.6250
BIC (smaller is better)                2560.2055


Algorithm converged.


                        Analysis Of Maximum Likelihood Parameter Estimates

                                        Standard     Wald 95% Confidence          Wald
Parameter          DF     Estimate        Error           Limits            Chi-Square    Pr > ChiSq

Intercept           1     -13.3754       0.7595     -14.8639    -11.8869        310.18        <.0001
sex           0     1       0.0909       0.1094      -0.1235      0.3053          0.69        0.4058
sex           1     0       0.0000       0.0000       0.0000      0.0000           .             .
alder               1       0.2532       0.0250       0.2041      0.3023        102.20        <.0001
alder*alder         1      -0.0018       0.0002      -0.0022     -0.0014         76.56        <.0001
SOKm                1       0.0640       0.0161       0.0325      0.0955         15.85        <.0001
dist_c              1      -0.2180       0.0661      -0.3474     -0.0885         10.89        0.0010
Scale               0       1.0000       0.0000       1.0000      1.0000

NOTE: The scale parameter was held fixed.


      LR Statistics For Type 3 Analysis

                              Chi-
Source             DF       Square    Pr > ChiSq

sex                 1         0.69        0.4052
alder               1       158.37        <.0001
alder*alder         1       108.96        <.0001
SOKm                1        16.49        <.0001
dist_c              1        10.89        0.0010


                                            Contrast Estimate Results

                       Mean         Mean             L'Beta   Standard                L'Beta             Chi-
Label              Estimate    Confidence Limits   Estimate      Error    Alpha    Confidence Limits   Square   Pr > ChiSq

sex 1 vs. 0          0.5227     0.4692    0.5757     0.0909     0.1094     0.05    -0.1235    0.3053     0.69       0.4058
Exp(sex 1 vs. 0)                                     1.0952     0.1198     0.05     0.8838    1.3571
The SAS System                                                                      22:04 Wednesday, June 25, 2014  27

The GENMOD Procedure

                                            Contrast Estimate Results

                       Mean         Mean             L'Beta   Standard                L'Beta             Chi-
Label              Estimate    Confidence Limits   Estimate      Error    Alpha    Confidence Limits   Square   Pr > ChiSq

destination          0.4457     0.4140    0.4779    -0.2180     0.0661     0.05    -0.3474   -0.0885    10.89       0.0010
```

Exp(destination)				0.8042	0.0531	0.05	0.7065	0.9153	
SOK score	0.5160	0.5081	0.5239	0.0640	0.0161	0.05	0.0325	0.0955	15.85 <.0001
Exp(SOK score)				1.0661	0.0171	0.05	1.0330	1.1002	

The SAS System 22:04 Wednesday, June 25, 2014 28

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1
INGEN_UDD	5	1 2 3 4 5
IKKE_VEST_	4	2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Parameter Information

Parameter	Effect	sex	INGEN_UDD	IKKE_ VEST_	LAV_ INDKOM	UF_ARBEJDS
Prm1	Intercept					
Prm2	sex	0				
Prm3	sex	1				
Prm4	alder					
Prm5	alder*alder					
Prm6	dist_c					
Prm7	IKKE_VEST_			2		
Prm8	IKKE_VEST_			3		
Prm9	IKKE_VEST_			4		
Prm10	IKKE_VEST_			5		
Prm11	INGEN_UDD		1			
Prm12	INGEN_UDD		2			
Prm13	INGEN_UDD		3			
Prm14	INGEN_UDD		4			
Prm15	INGEN_UDD		5			
Prm16	LAV_INDKOM				1	
Prm17	LAV_INDKOM				2	
Prm18	LAV_INDKOM				3	
Prm19	LAV_INDKOM				4	
Prm20	LAV_INDKOM				5	
Prm21	UF_ARBEJDS					1
Prm22	UF_ARBEJDS					2
Prm23	UF_ARBEJDS					3
Prm24	UF_ARBEJDS					4
Prm25	UF_ARBEJDS					5

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6390	1891.7910	0.2961
Scaled Deviance	6390	1891.7910	0.2961
Pearson Chi-Square	6390	7150.9614	1.1191
Scaled Pearson X2	6390	7150.9614	1.1191
Log Likelihood		-1950.5958	
Full Log Likelihood		-1239.8366	
AIC (smaller is better)		2519.6732	
AICC (smaller is better)		2519.8047	
BIC (smaller is better)		2654.9855	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-11.9687	0.8074	-13.5511	-10.3863	219.77	<.0001
sex	0	1	0.0873	0.1095	-0.1273	0.3020	0.64	0.4253
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2491	0.0251	0.1998	0.2983	98.29	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	71.88	<.0001
dist_c		1	-0.1990	0.0936	-0.3825	-0.0155	4.52	0.0335
IKKE_VEST_	2	1	0.2792	0.6427	-0.9805	1.5389	0.19	0.6640
IKKE_VEST_	3	1	0.8061	0.6127	-0.3948	2.0070	1.73	0.1883

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
IKKE_VEST_	4	1	0.1469	0.8830	-1.5837	1.8776	0.03	0.8678
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	-1.3325	0.6112	-2.5303	-0.1346	4.75	0.0292
INGEN_UDD	2	1	-1.5151	0.5576	-2.6080	-0.4222	7.38	0.0066
INGEN_UDD	3	1	-1.6364	0.5254	-2.6662	-0.6066	9.70	0.0018
INGEN_UDD	4	1	-1.1712	0.4514	-2.0558	-0.2865	6.73	0.0095
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	0.0529	0.4674	-0.8632	0.9690	0.01	0.9099
LAV_INDKOM	2	1	0.3376	0.3889	-0.4246	1.0997	0.75	0.3853
LAV_INDKOM	3	1	-0.0184	0.3497	-0.7038	0.6670	0.00	0.9580
LAV_INDKOM	4	1	-0.0496	0.2480	-0.5356	0.4365	0.04	0.8416
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	0.0952	0.5210	-0.9259	1.1162	0.03	0.8551
UF_ARBEJDS	2	1	0.2368	0.4527	-0.6503	1.1240	0.27	0.6008
UF_ARBEJDS	3	1	-0.0697	0.4241	-0.9008	0.7614	0.03	0.8694
UF_ARBEJDS	4	1	-0.1532	0.3645	-0.8676	0.5611	0.18	0.6742
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.64	0.4247
alder	1	149.79	<.0001
alder*alder	1	100.43	<.0001
dist_c	1	4.57	0.0326
IKKE_VEST_	3	11.43	0.0096
INGEN_UDD	4	12.17	0.0161
LAV_INDKOM	4	3.61	0.4615
UF_ARBEJDS	4	3.00	0.5583

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
sex 1 vs. 0	0.5218	0.4682	0.5749	0.0873	0.1095	0.05	-0.1273	0.3020	0.64	0.4253
Exp(sex 1 vs. 0)				1.0912	0.1195	0.05	0.8804	1.3526		
destination	0.4504	0.4055	0.4961	-0.1990	0.0936	0.05	-0.3825	-0.0155	4.52	0.0335
Exp(destination)				0.8195	0.0767	0.05	0.6821	0.9846		
iv 2 vs. 1 (2)	0.3712	0.2888	0.4619	-0.5269	0.1909	0.05	-0.9011	-0.1526	7.61	0.0058
Exp(iv 2 vs. 1 (2))				0.5905	0.1127	0.05	0.4061	0.8585		
iv 2 vs. 3 (4)	0.3409	0.1276	0.6466	-0.6592	0.6445	0.05	-1.9223	0.6039	1.05	0.3064
Exp(iv 2 vs. 3 (4))				0.5173	0.3334	0.05	0.1463	1.8293		
iv 2 vs. 4 (5)	0.3087	0.1185	0.5974	-0.8061	0.6127	0.05	-2.0070	0.3948	1.73	0.1883
Exp(iv 2 vs. 4 (5))				0.4466	0.2736	0.05	0.1344	1.4841		
iu 3 vs. 1	0.5754	0.4245	0.7134	0.3039	0.3103	0.05	-0.3042	0.9121	0.96	0.3273
Exp(iu 3 vs. 1)				1.3552	0.4205	0.05	0.7377	2.4894		
iu 3 vs. 2	0.5303	0.4249	0.6331	0.1213	0.2164	0.05	-0.3028	0.5454	0.31	0.5752
Exp(iu 3 vs. 2)				1.1289	0.2443	0.05	0.7387	1.7253		
iu 3 vs. 4	0.6143	0.4917	0.7238	0.4652	0.2543	0.05	-0.0331	0.9636	3.35	0.0673
Exp(iu 3 vs. 4)				1.5924	0.4049	0.05	0.9674	2.6211		
iu 3 vs. 5	0.8370	0.6472	0.9350	1.6364	0.5254	0.05	0.6066	2.6662	9.70	0.0018
Exp(iu 3 vs. 5)				5.1367	2.6990	0.05	1.8342	14.3857		
li 2 vs. 1	0.4293	0.3072	0.5606	-0.2847	0.2696	0.05	-0.8131	0.2437	1.11	0.2910
Exp(li 2 vs. 1)				0.7523	0.2028	0.05	0.4435	1.2760		
li 2 vs. 3	0.4119	0.3037	0.5294	-0.3560	0.2418	0.05	-0.8299	0.1179	2.17	0.1409
Exp(li 2 vs. 3)				0.7005	0.1694	0.05	0.4361	1.1252		

li 2 vs. 4	0.4044	0.2473	0.5839	-0.3871	0.3704	0.05	-1.1131	0.3389	1.09	0.2960
Exp(li 2 vs. 4)				0.6790	0.2515	0.05	0.3285	1.4034		
li 2 vs. 5	0.4164	0.2498	0.6046	-0.3376	0.3889	0.05	-1.0997	0.4246	0.75	0.3853
Exp(li 2 vs. 5)				0.7135	0.2775	0.05	0.3330	1.5289		
ua 3 vs. 1	0.5411	0.3930	0.6823	0.1649	0.3059	0.05	-0.4348	0.7645	0.29	0.5900
Exp(ua 3 vs. 1)				1.1792	0.3608	0.05	0.6474	2.1479		
ua 3 vs. 2	0.5760	0.4853	0.6619	0.3065	0.1864	0.05	-0.0587	0.6718	2.71	0.1000
Exp(ua 3 vs. 2)				1.3587	0.2532	0.05	0.9430	1.9577		
ua 3 vs. 4	0.4791	0.3680	0.5924	-0.0835	0.2334	0.05	-0.5410	0.3740	0.13	0.7205
Exp(ua 3 vs. 4)				0.9199	0.2147	0.05	0.5822	1.4535		
ua 3 vs. 5	0.5174	0.3183	0.7111	0.0697	0.4241	0.05	-0.7614	0.9008	0.03	0.8694
Exp(ua 3 vs. 5)				1.0722	0.4547	0.05	0.4670	2.4617		

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Parameter Information

Parameter	Effect	sex
Prm1	Intercept	
Prm2	sex	0
Prm3	sex	1
Prm4	alder	
Prm5	alder*alder	
Prm6	SOKm	
Prm7	dist_c	

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	
Full Log Likelihood		-1253.8059	
AIC (smaller is better)		2519.6119	
AICC (smaller is better)		2519.6250	
BIC (smaller is better)		2560.2055	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001

dist_c	1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
Scale	0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4052
alder	1	158.37	<.0001
alder*alder	1	108.96	<.0001
SOKm	1	16.49	<.0001
dist_c	1	10.89	0.0010

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
SOK score	0.5319	0.5162	0.5476	0.1280	0.0321	0.05	0.0650	0.1909	15.85	<.0001
Exp(SOK score)				1.1365	0.0365	0.05	1.0671	1.2104		

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Parameter Information

Parameter	Effect	sex
Prm1	Intercept	
Prm2	sex	0
Prm3	sex	1
Prm4	alder	
Prm5	alder*alder	
Prm6	SOKm	
Prm7	dist_c	

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	
Full Log Likelihood		-1253.8059	
AIC (smaller is better)		2519.6119	
AICC (smaller is better)		2519.6250	
BIC (smaller is better)		2560.2055	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001
dist_c		1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4052
alder	1	158.37	<.0001
alder*alder	1	108.96	<.0001
SOKm	1	16.49	<.0001
dist_c	1	10.89	0.0010

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
SOK score	0.5793	0.5405	0.6171	0.3199	0.0804	0.05	0.1624	0.4774	15.85	<.0001
Exp(SOK score)				1.3770	0.1106	0.05	1.1763	1.6118		

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Parameter Information

Parameter	Effect	sex
Prm1	Intercept	
Prm2	sex	0
Prm3	sex	1
Prm4	alder	
Prm5	alder*alder	
Prm6	SOKm	
Prm7	dist_c	

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF

Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	
Full Log Likelihood		-1253.8059	
AIC (smaller is better)		2519.6119	
AICC (smaller is better)		2519.6250	
BIC (smaller is better)		2560.2055	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001
dist_c		1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4052
alder	1	158.37	<.0001
alder*alder	1	108.96	<.0001
SOKm	1	16.49	<.0001
dist_c	1	10.89	0.0010

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
SOK score	0.6547	0.5805	0.7221	0.6398	0.1607	0.05	0.3248	0.9547	15.85	<.0001
Exp(SOK score)				1.8960	0.3047	0.05	1.3837	2.5980		

Obs	p
1	0.014669

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6405	2028.6862	0.3167
Scaled Deviance	6405	2028.6862	0.3167
Pearson Chi-Square	6405	6871.4674	1.0728
Scaled Pearson X2	6405	6871.4674	1.0728
Log Likelihood		-2019.0434	
Full Log Likelihood		-1308.2842	
AIC (smaller is better)		2626.5683	
AICC (smaller is better)		2626.5777	
BIC (smaller is better)		2660.3964	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-7.3888	0.2237	-7.8273	-6.9502	1090.54	<.0001
sex	0	1	-0.0202	0.1099	-0.2356	0.1952	0.03	0.8542
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.0385	0.0028	0.0331	0.0439	194.40	<.0001
SOKm		1	0.0498	0.0162	0.0179	0.0816	9.39	0.0022
dist_c		1	-0.1955	0.0665	-0.3259	-0.0651	8.63	0.0033
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.03	0.8542
alder	1	197.14	<.0001
SOKm	1	9.69	0.0019
dist_c	1	8.64	0.0033

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	

Full Log Likelihood	-1253.8059
AIC (smaller is better)	2519.6119
AICC (smaller is better)	2519.6250
BIC (smaller is better)	2560.2055

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001
dist_c		1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4052
alder	1	158.37	<.0001
alder*alder	1	108.96	<.0001
SOKm	1	16.49	<.0001
dist_c	1	10.89	0.0010

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6403	1919.6861	0.2998
Scaled Deviance	6403	1919.6861	0.2998
Pearson Chi-Square	6403	7411.2254	1.1575
Scaled Pearson X2	6403	7411.2254	1.1575
Log Likelihood		-1964.5434	
Full Log Likelihood		-1253.7842	
AIC (smaller is better)		2521.5683	
AICC (smaller is better)		2521.5858	
BIC (smaller is better)		2568.9276	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.2567	0.9486	-15.1159	-11.3975	195.31	<.0001
sex	0	1	0.0913	0.1094	-0.1231	0.3057	0.70	0.4040
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.19	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.52	<.0001
SOKm		1	0.0451	0.0920	-0.1352	0.2253	0.24	0.6240
SOKm*SOKm		1	0.0008	0.0036	-0.0063	0.0078	0.04	0.8347
dist_c		1	-0.2265	0.0779	-0.3792	-0.0739	8.46	0.0036
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.70	0.4034
alder	1	158.34	<.0001
alder*alder	1	108.88	<.0001
SOKm	1	0.24	0.6235
SOKm*SOKm	1	0.04	0.8347
dist_c	1	8.60	0.0034

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6403	1919.2448	0.2997
Scaled Deviance	6403	1919.2448	0.2997
Pearson Chi-Square	6403	7413.3996	1.1578
Scaled Pearson X2	6403	7413.3996	1.1578
Log Likelihood		-1964.3227	
Full Log Likelihood		-1253.5635	
AIC (smaller is better)		2521.1269	
AICC (smaller is better)		2521.1444	
BIC (smaller is better)		2568.4862	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.2421	0.7834	-14.7775	-11.7068	285.76	<.0001
sex	0	1	0.0907	0.1094	-0.1237	0.3051	0.69	0.4071

sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2534	0.0251	0.2043	0.3025	102.34	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.57	<.0001
SOKm		1	0.0584	0.0180	0.0231	0.0937	10.53	0.0012
dist_c		1	-0.3560	0.2084	-0.7645	0.0524	2.92	0.0875
dist_c*dist_c		1	0.0398	0.0571	-0.0721	0.1517	0.49	0.4854
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4064
alder	1	158.61	<.0001
alder*alder	1	108.98	<.0001
SOKm	1	10.64	0.0011
dist_c	1	2.88	0.0897
dist_c*dist_c	1	0.48	0.4862

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1
INGEN_UDD	5	1 2 3 4 5
IKKE_VEST_	4	2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6391	1992.2196	0.3117
Scaled Deviance	6391	1992.2196	0.3117
Pearson Chi-Square	6391	6641.5112	1.0392
Scaled Pearson X2	6391	6641.5112	1.0392
Log Likelihood		-2000.8101	
Full Log Likelihood		-1290.0509	
AIC (smaller is better)		2618.1017	
AICC (smaller is better)		2618.2207	
BIC (smaller is better)		2746.6484	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-6.3940	0.3887	-7.1558	-5.6322	270.64	<.0001
sex	0	1	-0.0138	0.1099	-0.2293	0.2016	0.02	0.8998
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.0404	0.0028	0.0349	0.0460	203.19	<.0001
dist_c		1	-0.1791	0.0936	-0.3626	0.0044	3.66	0.0558

IKKE_VEST_	2	1	0.4880	0.6415	-0.7693	1.7454	0.58	0.4468
IKKE_VEST_	3	1	0.9887	0.6112	-0.2091	2.1866	2.62	0.1057
IKKE_VEST_	4	1	0.2483	0.8823	-1.4810	1.9777	0.08	0.7784
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	-1.5954	0.6125	-2.7959	-0.3948	6.78	0.0092
INGEN_UDD	2	1	-1.7756	0.5574	-2.8680	-0.6832	10.15	0.0014
INGEN_UDD	3	1	-1.8989	0.5258	-2.9296	-0.8683	13.04	0.0003
INGEN_UDD	4	1	-1.3584	0.4517	-2.2438	-0.4731	9.04	0.0026
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	0.3707	0.4660	-0.5426	1.2841	0.63	0.4263
LAV_INDKOM	2	1	0.5447	0.3859	-0.2116	1.3010	1.99	0.1581
LAV_INDKOM	3	1	0.0177	0.3473	-0.6631	0.6984	0.00	0.9594
LAV_INDKOM	4	1	-0.1063	0.2489	-0.5942	0.3816	0.18	0.6694
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	-0.0038	0.5212	-1.0254	1.0178	0.00	0.9941
UF_ARBEJDS	2	1	0.1242	0.4532	-0.7641	1.0126	0.08	0.7840
UF_ARBEJDS	3	1	-0.1497	0.4248	-0.9823	0.6829	0.12	0.7245
UF_ARBEJDS	4	1	-0.1127	0.3650	-0.8280	0.6027	0.10	0.7576
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.02	0.8998
alder	1	206.62	<.0001
dist_c	1	3.70	0.0546
IKKE_VEST_	3	12.01	0.0074
INGEN_UDD	4	16.26	0.0027
LAV_INDKOM	4	6.49	0.1654

The GENMOD Procedure

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
UF_ARBEJDS	4	2.21	0.6977

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1
INGEN_UDD	5	1 2 3 4 5
IKKE_VEST_	4	2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6390	1891.7910	0.2961

Scaled Deviance	6390	1891.7910	0.2961
Pearson Chi-Square	6390	7150.9614	1.1191
Scaled Pearson X2	6390	7150.9614	1.1191
Log Likelihood		-1950.5958	
Full Log Likelihood		-1239.8366	
AIC (smaller is better)		2519.6732	
AICC (smaller is better)		2519.8047	
BIC (smaller is better)		2654.9855	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-11.9687	0.8074	-13.5511	-10.3863	219.77	<.0001
sex	0	1	0.0873	0.1095	-0.1273	0.3020	0.64	0.4253
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2491	0.0251	0.1998	0.2983	98.29	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	71.88	<.0001
dist_c		1	-0.1990	0.0936	-0.3825	-0.0155	4.52	0.0335
IKKE_VEST_	2	1	0.2792	0.6427	-0.9805	1.5389	0.19	0.6640
IKKE_VEST_	3	1	0.8061	0.6127	-0.3948	2.0070	1.73	0.1883
IKKE_VEST_	4	1	0.1469	0.8830	-1.5837	1.8776	0.03	0.8678
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	-1.3325	0.6112	-2.5303	-0.1346	4.75	0.0292
INGEN_UDD	2	1	-1.5151	0.5576	-2.6080	-0.4222	7.38	0.0066
INGEN_UDD	3	1	-1.6364	0.5254	-2.6662	-0.6066	9.70	0.0018
INGEN_UDD	4	1	-1.1712	0.4514	-2.0558	-0.2865	6.73	0.0095
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	0.0529	0.4674	-0.8632	0.9690	0.01	0.9099
LAV_INDKOM	2	1	0.3376	0.3889	-0.4246	1.0997	0.75	0.3853
LAV_INDKOM	3	1	-0.0184	0.3497	-0.7038	0.6670	0.00	0.9580
LAV_INDKOM	4	1	-0.0496	0.2480	-0.5356	0.4365	0.04	0.8416
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	0.0952	0.5210	-0.9259	1.1162	0.03	0.8551
UF_ARBEJDS	2	1	0.2368	0.4527	-0.6503	1.1240	0.27	0.6008
UF_ARBEJDS	3	1	-0.0697	0.4241	-0.9008	0.7614	0.03	0.8694
UF_ARBEJDS	4	1	-0.1532	0.3645	-0.8676	0.5611	0.18	0.6742
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.64	0.4247
alder	1	149.79	<.0001
alder*alder	1	100.43	<.0001
dist_c	1	4.57	0.0326
IKKE_VEST_	3	11.43	0.0096

The GENMOD Procedure

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
INGEN_UDD	4	12.17	0.0161
LAV_INDKOM	4	3.61	0.4615
UF_ARBEJDS	4	3.00	0.5583

The GENMOD Procedure

Model Information

Data Set	BEF.BEF3
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6410
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694

Class Level Information

Class	Levels	Values
sex	2	0 1
INGEN_UDD	5	1 2 3 4 5
IKKE_VEST_	4	2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6389	1890.4029	0.2959
Scaled Deviance	6389	1890.4029	0.2959
Pearson Chi-Square	6389	7151.6679	1.1194
Scaled Pearson X2	6389	7151.6679	1.1194
Log Likelihood		-1949.9018	
Full Log Likelihood		-1239.1425	
AIC (smaller is better)		2520.2851	
AICC (smaller is better)		2520.4297	
BIC (smaller is better)		2662.3630	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-12.0241	0.8108	-13.6132	-10.4349	219.92	<.0001
sex	0	1	0.0844	0.1096	-0.1303	0.2991	0.59	0.4410
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2494	0.0251	0.2001	0.2986	98.50	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	72.02	<.0001
dist_c		1	-0.4700	0.2486	-0.9573	0.0173	3.57	0.0587
dist_c*dist_c		1	0.0826	0.0705	-0.0556	0.2208	1.37	0.2414
IKKE_VEST_	2	1	0.5908	0.6928	-0.7671	1.9486	0.73	0.3938
IKKE_VEST_	3	1	1.1276	0.6682	-0.1820	2.4372	2.85	0.0915
IKKE_VEST_	4	1	0.3572	0.9004	-1.4076	2.1220	0.16	0.6916
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	-1.3392	0.6097	-2.5342	-0.1441	4.82	0.0281
INGEN_UDD	2	1	-1.5058	0.5575	-2.5984	-0.4131	7.30	0.0069
INGEN_UDD	3	1	-1.6930	0.5276	-2.7271	-0.6589	10.30	0.0013
INGEN_UDD	4	1	-1.2112	0.4528	-2.0986	-0.3238	7.16	0.0075
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	0.1025	0.4653	-0.8094	1.0145	0.05	0.8256
LAV_INDKOM	2	1	0.3959	0.3899	-0.3682	1.1600	1.03	0.3099
LAV_INDKOM	3	1	-0.0325	0.3460	-0.7108	0.6457	0.01	0.9251
LAV_INDKOM	4	1	0.1014	0.2825	-0.4523	0.6551	0.13	0.7196
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	-0.0430	0.5356	-1.0928	1.0067	0.01	0.9360
UF_ARBEJDS	2	1	0.1052	0.4672	-0.8105	1.0210	0.05	0.8218
UF_ARBEJDS	3	1	-0.1972	0.4387	-1.0570	0.6625	0.20	0.6530
UF_ARBEJDS	4	1	-0.2613	0.3766	-0.9994	0.4768	0.48	0.4878
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.60	0.4405
alder	1	150.16	<.0001
alder*alder	1	100.65	<.0001
dist_c	1	3.59	0.0583

The GENMOD Procedure

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
dist_c*dist_c	1	1.39	0.2387
IKKE_VEST_	3	12.77	0.0052
INGEN_UDD	4	13.09	0.0108
LAV_INDKOM	4	4.25	0.3737
UF_ARBEJDS	4	3.17	0.5291

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p

Number of Observations Read	347
Number of Observations Used	347
Number of Events	311
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p	Total Frequency
1	1	311
2	0	36

PROC GENMOD is modeling the probability that p='1'.

Parameter Information

Parameter	Effect	sex	alde
Prm1	Intercept		
Prm2	sex	0	
Prm3	sex	1	
Prm4	alde		18-39
Prm5	alde		40-49
Prm6	alde		50-59
Prm7	alde		60-69
Prm8	alde		70 eller derover
Prm9	i_afstandkm		
Prm10	sokm		

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	331	214.1818	0.6471
Scaled Deviance	331	214.1818	0.6471
Pearson Chi-Square	331	351.7718	1.0628
Scaled Pearson X2	331	351.7718	1.0628
Log Likelihood		-109.8635	
Full Log Likelihood		-108.4772	
AIC (smaller is better)		232.9544	
AICC (smaller is better)		233.3804	
BIC (smaller is better)		263.7490	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	2.1624	0.6960	0.7982	3.5266	9.65	0.0019
sex	0	1	0.7094	0.3663	-0.0086	1.4274	3.75	0.0528
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.5234	1.1205	-1.6728	2.7195	0.22	0.6404
alde	40-49	1	-1.1613	0.6270	-2.3903	0.0676	3.43	0.0640

alde	50-59	1	-0.9414	0.5687	-2.0560	0.1732	2.74	0.0978
alde	60-69	1	-0.7095	0.5596	-1.8063	0.3873	1.61	0.2049
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.1723	0.1859	-0.1922	0.5367	0.86	0.3542
sokm		1	-0.0078	0.0542	-0.1141	0.0984	0.02	0.8853
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.85	0.0497
alde	4	6.37	0.1728
i_afstandkm	1	0.86	0.3529
sokm	1	0.02	0.8851

The GENMOD Procedure

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
alder 4 vs. 1	0.7743	0.2979	0.9652	1.2328	1.0665	0.05	-0.8575	3.3232	1.34	0.2477
Exp(alder 4 vs. 1)				3.4309	3.6592	0.05	0.4242	27.7484		
alder 4 vs. 2	0.3889	0.1864	0.6387	-0.4519	0.5212	0.05	-1.4734	0.5696	0.75	0.3859
Exp(alder 4 vs. 2)				0.6364	0.3317	0.05	0.2292	1.7676		
alder 4 vs. 3	0.4423	0.2469	0.6573	-0.2319	0.4507	0.05	-1.1152	0.6514	0.26	0.6068
Exp(alder 4 vs. 3)				0.7930	0.3574	0.05	0.3278	1.9182		
alder 4 vs. 5	0.6703	0.4044	0.8589	0.7095	0.5596	0.05	-0.3873	1.8063	1.61	0.2049
Exp(alder 4 vs. 5)				2.0329	1.1376	0.05	0.6789	6.0877		
sex 1 vs. 0	0.6703	0.4978	0.8065	0.7094	0.3663	0.05	-0.0086	1.4274	3.75	0.0528
Exp(sex 1 vs. 0)				2.0327	0.7447	0.05	0.9914	4.1678		
destination	0.5430	0.4521	0.6310	0.1723	0.1859	0.05	-0.1922	0.5367	0.86	0.3542
Exp(destination)				1.1880	0.2209	0.05	0.8252	1.7103		
SOK	0.4980	0.4715	0.5246	-0.0078	0.0542	0.05	-0.1141	0.0984	0.02	0.8853
Exp(SOK)				0.9922	0.0538	0.05	0.8922	1.1034		

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	347
Number of Observations Used	347
Number of Events	226
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	121

PROC GENMOD is modeling the probability that p1='1'.

Parameter Information

Parameter	Effect	sex	alde
Prm1	Intercept		
Prm2	sex	0	
Prm3	sex	1	
Prm4	alde		18-39
Prm5	alde		40-49
Prm6	alde		50-59

Prm7	alde	60-69
Prm8	alde	70 eller derover
Prm9	i_afstandkm	
Prm10	sokm	

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	331	405.3301	1.2246
Scaled Deviance	331	405.3301	1.2246
Pearson Chi-Square	331	335.3881	1.0133
Scaled Pearson X2	331	335.3881	1.0133
Log Likelihood		-208.2102	
Full Log Likelihood		-205.4376	
AIC (smaller is better)		426.8753	
AICC (smaller is better)		427.3013	
BIC (smaller is better)		457.6699	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.9377	0.4259	0.1030	1.7725	4.85	0.0277
sex	0	1	-0.1755	0.2399	-0.6457	0.2948	0.53	0.4646
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.9375	0.5903	-0.2195	2.0944	2.52	0.1123
alde	40-49	1	-0.6432	0.3957	-1.4188	0.1325	2.64	0.1041
alde	50-59	1	-1.3236	0.3340	-1.9781	-0.6690	15.71	<.0001
alde	60-69	1	-0.0247	0.3296	-0.6707	0.6213	0.01	0.9403
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0404	0.1230	-0.2815	0.2006	0.11	0.7423
sokm		1	0.0200	0.0355	-0.0495	0.0896	0.32	0.5726
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.54	0.4639
alde	4	31.87	<.0001
i_afstandkm	1	0.11	0.7422
sokm	1	0.32	0.5728

The GENMOD Procedure

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
alder 4 vs. 1	0.7236	0.4562	0.8909	0.9622	0.5805	0.05	-0.1755	2.0999	2.75	0.0974
Exp(alder 4 vs. 1)				2.6174	1.5193	0.05	0.8390	8.1652		
alder 4 vs. 2	0.3501	0.2043	0.5307	-0.6185	0.3782	0.05	-1.3598	0.1228	2.67	0.1020
Exp(alder 4 vs. 2)				0.5388	0.2038	0.05	0.2567	1.1307		
alder 4 vs. 3	0.2144	0.1285	0.3354	-1.2989	0.3139	0.05	-1.9140	-0.6837	17.13	<.0001
Exp(alder 4 vs. 3)				0.2728	0.0856	0.05	0.1475	0.5047		
alder 4 vs. 5	0.5062	0.3495	0.6617	0.0247	0.3296	0.05	-0.6213	0.6707	0.01	0.9403
Exp(alder 4 vs. 5)				1.0250	0.3379	0.05	0.5372	1.9557		
sex 1 vs. 0	0.4562	0.3440	0.5732	-0.1755	0.2399	0.05	-0.6457	0.2948	0.53	0.4646
Exp(sex 1 vs. 0)				0.8391	0.2013	0.05	0.5243	1.3428		
destination	0.4899	0.4301	0.5500	-0.0404	0.1230	0.05	-0.2815	0.2006	0.11	0.7423
Exp(destination)				0.9604	0.1181	0.05	0.7546	1.2222		
SOK	0.5050	0.4876	0.5224	0.0200	0.0355	0.05	-0.0495	0.0896	0.32	0.5726
Exp(SOK)				1.0202	0.0362	0.05	0.9517	1.0937		

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read 347

Number of Observations Used	347
Number of Events	226
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover
IKKE_VEST_	4	2 3 4 5
INGEN_UDD	5	1 2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	121

PROC GENMOD is modeling the probability that p1='1'.

Parameter Information

Parameter	Effect	sex	alde	IKKE_ VEST_	INGEN_UDD	LAV_ INDKOM	UF_ARBEJDS
Prm1	Intercept						
Prm2	sex	0					
Prm3	sex	1					
Prm4	alde		18-39				
Prm5	alde		40-49				
Prm6	alde		50-59				
Prm7	alde		60-69				
Prm8	alde		70 eller derover				
Prm9	i_afstandkm						
Prm10	IKKE_VEST_			2			
Prm11	IKKE_VEST_			3			
Prm12	IKKE_VEST_			4			
Prm13	IKKE_VEST_			5			
Prm14	INGEN_UDD				1		
Prm15	INGEN_UDD				2		
Prm16	INGEN_UDD				3		
Prm17	INGEN_UDD				4		
Prm18	INGEN_UDD				5		
Prm19	LAV_INDKOM					1	
Prm20	LAV_INDKOM					2	
Prm21	LAV_INDKOM					3	
Prm22	LAV_INDKOM					4	
Prm23	LAV_INDKOM					5	
Prm24	UF_ARBEJDS						1
Prm25	UF_ARBEJDS						2
Prm26	UF_ARBEJDS						3
Prm27	UF_ARBEJDS						4
Prm28	UF_ARBEJDS						5

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	317	397.9796	1.2555
Scaled Deviance	317	397.9796	1.2555
Pearson Chi-Square	317	333.1750	1.0510
Scaled Pearson X2	317	333.1750	1.0510
Log Likelihood		-204.5350	
Full Log Likelihood		-201.7624	
AIC (smaller is better)		447.5248	
AICC (smaller is better)		450.6483	
BIC (smaller is better)		532.2099	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.7748	0.8302	0.1475	3.4020	4.57	0.0325
sex	0	1	-0.1865	0.2448	-0.6664	0.2933	0.58	0.4461
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.

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The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
alde	18-39	1	1.0652	0.6035	-0.1177	2.2481	3.11	0.0776
alde	40-49	1	-0.6754	0.4099	-1.4788	0.1281	2.71	0.0994
alde	50-59	1	-1.2851	0.3466	-1.9645	-0.6058	13.75	0.0002
alde	60-69	1	0.0728	0.3461	-0.6056	0.7512	0.04	0.8335
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.1230	0.1710	-0.4581	0.2120	0.52	0.4717
IKKE_VEST_	2	1	-1.1040	1.5635	-4.1685	1.9605	0.50	0.4801
IKKE_VEST_	3	1	-1.4741	1.5098	-4.4333	1.4851	0.95	0.3289
IKKE_VEST_	4	1	-2.0818	2.0580	-6.1153	1.9517	1.02	0.3117
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	1.4150	1.5646	-1.6517	4.4816	0.82	0.3658
INGEN_UDD	2	1	1.2208	1.3999	-1.5230	3.9646	0.76	0.3832
INGEN_UDD	3	1	0.8872	1.3532	-1.7651	3.5396	0.43	0.5121
INGEN_UDD	4	1	1.2145	1.1947	-1.1270	3.5560	1.03	0.3093
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	-1.6995	1.1193	-3.8932	0.4943	2.31	0.1289
LAV_INDKOM	2	1	-0.7587	0.9002	-2.5229	1.0056	0.71	0.3993
LAV_INDKOM	3	1	-0.2439	0.7776	-1.7679	1.2802	0.10	0.7538
LAV_INDKOM	4	1	-0.4463	0.5424	-1.5093	0.6168	0.68	0.4106
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	1.1628	1.2047	-1.1985	3.5240	0.93	0.3345
UF_ARBEJDS	2	1	0.7566	1.0138	-1.2304	2.7436	0.56	0.4555
UF_ARBEJDS	3	1	0.5024	0.9742	-1.4069	2.4118	0.27	0.6060
UF_ARBEJDS	4	1	0.5776	0.8300	-1.0492	2.2044	0.48	0.4865
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.58	0.4454
alde	4	31.45	<.0001
i_afstandkm	1	0.52	0.4713
IKKE_VEST_	3	1.97	0.5786
INGEN_UDD	4	2.19	0.7000
LAV_INDKOM	4	3.44	0.4871
UF_ARBEJDS	4	1.55	0.8171

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
alder 4 vs. 1	0.7296	0.4603	0.8951	0.9924	0.5875	0.05	-0.1591	2.1439	2.85	0.0912
Exp(alder 4 vs. 1)				2.6977	1.5849	0.05	0.8529	8.5326		
alder 4 vs. 2	0.3212	0.1784	0.5077	-0.7481	0.3974	0.05	-1.5271	0.0308	3.54	0.0598
Exp(alder 4 vs. 2)				0.4732	0.1881	0.05	0.2172	1.0313		
alder 4 vs. 3	0.2046	0.1182	0.3304	-1.3579	0.3325	0.05	-2.0096	-0.7063	16.68	<.0001
Exp(alder 4 vs. 3)				0.2572	0.0855	0.05	0.1340	0.4935		
alder 4 vs. 5	0.4818	0.3206	0.6469	-0.0728	0.3461	0.05	-0.7512	0.6056	0.04	0.8335
Exp(alder 4 vs. 5)				0.9298	0.3218	0.05	0.4718	1.8324		
sex 1 vs. 0	0.4535	0.3393	0.5728	-0.1865	0.2448	0.05	-0.6664	0.2933	0.58	0.4461
Exp(sex 1 vs. 0)				0.8298	0.2032	0.05	0.5135	1.3409		
iv 2 vs. 1 (2)	0.5915	0.3911	0.7654	0.3701	0.4146	0.05	-0.4425	1.1828	0.80	0.3720
Exp(iv 2 vs. 1 (2))				1.4479	0.6003	0.05	0.6424	3.2634		
iv 2 vs. 3 (4)	0.3526	0.0345	0.8924	-0.6077	1.3894	0.05	-3.3309	2.1154	0.19	0.6618
Exp(iv 2 vs. 3 (4))				0.5446	0.7566	0.05	0.0358	8.2931		
iv 2 vs. 4 (5)	0.8137	0.1847	0.9883	1.4741	1.5098	0.05	-1.4851	4.4333	0.95	0.3289
Exp(iv 2 vs. 4 (5))				4.3672	6.5936	0.05	0.2265	84.2084		
iu 3 vs. 1	0.6290	0.2711	0.8854	0.5277	0.7739	0.05	-0.9891	2.0446	0.46	0.4953
Exp(iu 3 vs. 1)				1.6951	1.3119	0.05	0.3719	7.7260		
iu 3 vs. 2	0.5826	0.3499	0.7836	0.3336	0.4863	0.05	-0.6195	1.2866	0.47	0.4927
Exp(iu 3 vs. 2)				1.3959	0.6788	0.05	0.5382	3.6206		
iu 3 vs. 4	0.5811	0.3048	0.8144	0.3273	0.5876	0.05	-0.8243	1.4788	0.31	0.5776
Exp(iu 3 vs. 4)				1.3871	0.8150	0.05	0.4385	4.3879		
iu 3 vs. 5	0.2917	0.0282	0.8538	-0.8872	1.3532	0.05	-3.5396	1.7651	0.43	0.5121
Exp(iu 3 vs. 5)				0.4118	0.5573	0.05	0.0290	5.8420		
li 2 vs. 1	0.2807	0.0878	0.6129	-0.9408	0.7145	0.05	-2.3413	0.4597	1.73	0.1880
Exp(li 2 vs. 1)				0.3903	0.2789	0.05	0.0962	1.5836		
li 2 vs. 3	0.6259	0.3472	0.8404	0.5148	0.5849	0.05	-0.6315	1.6611	0.77	0.3787
Exp(li 2 vs. 3)				1.6733	0.9787	0.05	0.5318	5.2652		
li 2 vs. 4	0.5775	0.2018	0.8808	0.3124	0.8608	0.05	-1.3748	1.9996	0.13	0.7167
Exp(li 2 vs. 4)				1.3667	1.1765	0.05	0.2529	7.3863		
li 2 vs. 5	0.6811	0.2678	0.9257	0.7587	0.9002	0.05	-1.0056	2.5229	0.71	0.3993

Exp(li 2 vs. 5)				2.1354	1.9222	0.05	0.3658	12.4650		
ua 3 vs. 1	0.6593	0.3238	0.8866	0.6604	0.7125	0.05	-0.7362	2.0569	0.86	0.3540
Exp(ua 3 vs. 1)				1.9355	1.3791	0.05	0.4789	7.8219		
ua 3 vs. 2	0.5632	0.3642	0.7437	0.2542	0.4139	0.05	-0.5570	1.0654	0.38	0.5391
Exp(ua 3 vs. 2)				1.2894	0.5337	0.05	0.5729	2.9019		
ua 3 vs. 4	0.5188	0.2780	0.7512	0.0752	0.5253	0.05	-0.9544	1.1048	0.02	0.8861
Exp(ua 3 vs. 4)				1.0781	0.5663	0.05	0.3851	3.0186		
ua 3 vs. 5	0.3770	0.0823	0.8033	-0.5024	0.9742	0.05	-2.4118	1.4069	0.27	0.6060
Exp(ua 3 vs. 5)				0.6051	0.5894	0.05	0.0897	4.0834		
destination	0.4693	0.3874	0.5528	-0.1230	0.1710	0.05	-0.4581	0.2120	0.52	0.4717
Exp(destination)				0.8842	0.1512	0.05	0.6325	1.2362		

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	311
Number of Observations Used	311
Number of Events	226
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	85

PROC GENMOD is modeling the probability that p1='1'.

Parameter Information

Parameter	Effect	sex	alde
Prm1	Intercept		
Prm2	sex	0	
Prm3	sex	1	
Prm4	alde		18-39
Prm5	alde		40-49
Prm6	alde		50-59
Prm7	alde		60-69
Prm8	alde		70 eller derover
Prm9	i_afstandkm		
Prm10	sokm		

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	297	323.8434	1.0904
Scaled Deviance	297	323.8434	1.0904
Pearson Chi-Square	297	300.5614	1.0120
Scaled Pearson X2	297	300.5614	1.0120
Log Likelihood		-166.0806	
Full Log Likelihood		-164.0011	
AIC (smaller is better)		344.0023	
AICC (smaller is better)		344.4791	
BIC (smaller is better)		373.9206	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.4530	0.4865	0.4995	2.4065	8.92	0.0028
sex	0	1	-0.4783	0.2785	-1.0242	0.0675	2.95	0.0859

sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.0319	0.6684	-0.2782	2.3420	2.38	0.1226
alde	40-49	1	-0.3566	0.4534	-1.2452	0.5321	0.62	0.4316
alde	50-59	1	-1.2824	0.3627	-1.9933	-0.5715	12.50	0.0004
alde	60-69	1	0.2799	0.3826	-0.4700	1.0298	0.54	0.4645
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.1138	0.1379	-0.3842	0.1566	0.68	0.4094
sokm		1	0.0256	0.0393	-0.0514	0.1026	0.43	0.5143
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.01	0.0828
alde	4	29.17	<.0001
i_afstandkm	1	0.68	0.4086
sokm	1	0.42	0.5150

The GENMOD Procedure

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
alder 4 vs. 1	0.6796	0.3641	0.8871	0.7521	0.6682	0.05	-0.5577	2.0618	1.27	0.2604
Exp(alder 4 vs. 1)				2.1214	1.4176	0.05	0.5725	7.8601		
alder 4 vs. 2	0.3461	0.1790	0.5623	-0.6364	0.4526	0.05	-1.5235	0.2506	1.98	0.1597
Exp(alder 4 vs. 2)				0.5292	0.2395	0.05	0.2180	1.2848		
alder 4 vs. 3	0.1733	0.0936	0.2987	-1.5622	0.3616	0.05	-2.2710	-0.8535	18.67	<.0001
Exp(alder 4 vs. 3)				0.2097	0.0758	0.05	0.1032	0.4259		
alder 4 vs. 5	0.4305	0.2631	0.6154	-0.2799	0.3826	0.05	-1.0298	0.4700	0.54	0.4645
Exp(alder 4 vs. 5)				0.7559	0.2892	0.05	0.3571	1.6001		
sex 1 vs. 0	0.3826	0.2642	0.5169	-0.4783	0.2785	0.05	-1.0242	0.0675	2.95	0.0859
Exp(sex 1 vs. 0)				0.6198	0.1726	0.05	0.3591	1.0698		
destination	0.4716	0.4051	0.5391	-0.1138	0.1379	0.05	-0.3842	0.1566	0.68	0.4094
Exp(destination)				0.8924	0.1231	0.05	0.6810	1.1695		
SOK	0.5064	0.4872	0.5256	0.0256	0.0393	0.05	-0.0514	0.1026	0.43	0.5143
Exp(SOK)				1.0259	0.0403	0.05	0.9499	1.1081		

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	311
Number of Observations Used	311
Number of Events	226
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover
IKKE_VEST_	4	2 3 4 5
INGEN_UDD	5	1 2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	85

PROC GENMOD is modeling the probability that p1='1'.

Parameter Information

IKKE_ LAV_

Parameter	Effect	sex	alde	VEST_	INGEN_UDD	INDKOM	UF_ARBEJDS
Prm1	Intercept						
Prm2	sex	0					
Prm3	sex	1					
Prm4	alde		18-39				
Prm5	alde		40-49				
Prm6	alde		50-59				
Prm7	alde		60-69				
Prm8	alde		70 eller derover				
Prm9	i_afstandkm						
Prm10	IKKE_VEST_			2			
Prm11	IKKE_VEST_			3			
Prm12	IKKE_VEST_			4			
Prm13	IKKE_VEST_			5			
Prm14	INGEN_UDD				1		
Prm15	INGEN_UDD				2		
Prm16	INGEN_UDD				3		
Prm17	INGEN_UDD				4		
Prm18	INGEN_UDD				5		
Prm19	LAV_INDKOM					1	
Prm20	LAV_INDKOM					2	
Prm21	LAV_INDKOM					3	
Prm22	LAV_INDKOM					4	
Prm23	LAV_INDKOM					5	
Prm24	UF_ARBEJDS						1
Prm25	UF_ARBEJDS						2
Prm26	UF_ARBEJDS						3
Prm27	UF_ARBEJDS						4
Prm28	UF_ARBEJDS						5

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	283	319.6449	1.1295
Scaled Deviance	283	319.6449	1.1295
Pearson Chi-Square	283	298.6352	1.0552
Scaled Pearson X2	283	298.6352	1.0552
Log Likelihood		-163.9813	
Full Log Likelihood		-161.9019	
AIC (smaller is better)		367.8038	
AICC (smaller is better)		371.3177	
BIC (smaller is better)		450.0792	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.9925	0.9318	0.1662	3.8189	4.57	0.0325
sex	0	1	-0.4954	0.2850	-1.0539	0.0631	3.02	0.0821
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
alde	18-39	1	1.0762	0.6847	-0.2658	2.4182	2.47	0.1160
alde	40-49	1	-0.4310	0.4680	-1.3482	0.4862	0.85	0.3570
alde	50-59	1	-1.2748	0.3757	-2.0113	-0.5384	11.51	0.0007
alde	60-69	1	0.3197	0.4027	-0.4696	1.1090	0.63	0.4272
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0834	0.1950	-0.4656	0.2987	0.18	0.6687
IKKE_VEST_	2	1	-1.2403	1.6102	-4.3962	1.9155	0.59	0.4411
IKKE_VEST_	3	1	-1.1280	1.5420	-4.1503	1.8943	0.54	0.4645
IKKE_VEST_	4	1	-1.8326	2.0948	-5.9384	2.2731	0.77	0.3817
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	1.5668	1.6673	-1.7011	4.8348	0.88	0.3474
INGEN_UDD	2	1	0.9518	1.4865	-1.9617	3.8653	0.41	0.5220
INGEN_UDD	3	1	0.6453	1.4204	-2.1388	3.4293	0.21	0.6496
INGEN_UDD	4	1	0.7189	1.2235	-1.6791	3.1170	0.35	0.5568
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	-1.4594	1.1881	-3.7880	0.8692	1.51	0.2193
LAV_INDKOM	2	1	-0.4525	0.9554	-2.3252	1.4201	0.22	0.6358
LAV_INDKOM	3	1	-0.3525	0.8087	-1.9376	1.2326	0.19	0.6629
LAV_INDKOM	4	1	-0.2720	0.6249	-1.4968	0.9527	0.19	0.6633
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	0.9434	1.2674	-1.5406	3.4273	0.55	0.4567
UF_ARBEJDS	2	1	0.8166	1.0897	-1.3191	2.9523	0.56	0.4536

UF_ARBEJDS	3	1	0.6242	1.0230	-1.3808	2.6292	0.37	0.5418
UF_ARBEJDS	4	1	0.5020	0.8425	-1.1491	2.1532	0.36	0.5512
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.09	0.0790
alde	4	28.08	<.0001
i_afstandkm	1	0.18	0.6689
IKKE_VEST_	3	0.88	0.8314
INGEN_UDD	4	1.57	0.8149
LAV_INDKOM	4	2.19	0.7011
UF_ARBEJDS	4	0.69	0.9530

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
alder 4 vs. 1	0.6806	0.3608	0.8894	0.7565	0.6777	0.05	-0.5718	2.0848	1.25	0.2643
Exp(alder 4 vs. 1)				2.1307	1.4440	0.05	0.5645	8.0426		
alder 4 vs. 2	0.3207	0.1579	0.5429	-0.7507	0.4709	0.05	-1.6736	0.1722	2.54	0.1109
Exp(alder 4 vs. 2)				0.4720	0.2223	0.05	0.1876	1.1879		
alder 4 vs. 3	0.1687	0.0879	0.2996	-1.5946	0.3804	0.05	-2.3401	-0.8490	17.57	<.0001
Exp(alder 4 vs. 3)				0.2030	0.0772	0.05	0.0963	0.4278		
alder 4 vs. 5	0.4207	0.2481	0.6153	-0.3197	0.4027	0.05	-1.1090	0.4696	0.63	0.4272
Exp(alder 4 vs. 5)				0.7263	0.2925	0.05	0.3299	1.5993		
sex 1 vs. 0	0.3786	0.2585	0.5158	-0.4954	0.2850	0.05	-1.0539	0.0631	3.02	0.0821
Exp(sex 1 vs. 0)				0.6093	0.1736	0.05	0.3486	1.0652		
iv 2 vs. 1 (2)	0.4719	0.2629	0.6913	-0.1123	0.4688	0.05	-1.0311	0.8064	0.06	0.8106
Exp(iv 2 vs. 1 (2))				0.8937	0.4190	0.05	0.3566	2.2399		
iv 2 vs. 3 (4)	0.3308	0.0290	0.8911	-0.7046	1.4321	0.05	-3.5115	2.1023	0.24	0.6227
Exp(iv 2 vs. 3 (4))				0.4943	0.7079	0.05	0.0299	8.1848		
iv 2 vs. 4 (5)	0.7555	0.1308	0.9845	1.1280	1.5420	0.05	-1.8943	4.1503	0.54	0.4645
Exp(iv 2 vs. 4 (5))				3.0895	4.7640	0.05	0.1504	63.4519		
iu 3 vs. 1	0.7154	0.3145	0.9323	0.9216	0.8677	0.05	-0.7790	2.6222	1.13	0.2882
Exp(iu 3 vs. 1)				2.5133	2.1807	0.05	0.4589	13.7654		
iu 3 vs. 2	0.5760	0.2988	0.8124	0.3065	0.5915	0.05	-0.8528	1.4659	0.27	0.6043
Exp(iu 3 vs. 2)				1.3587	0.8037	0.05	0.4262	4.3316		
iu 3 vs. 4	0.5184	0.2289	0.7960	0.0737	0.6572	0.05	-1.2144	1.3617	0.01	0.9107
Exp(iu 3 vs. 4)				1.0765	0.7074	0.05	0.2969	3.9029		
iu 3 vs. 5	0.3441	0.0314	0.8946	-0.6453	1.4204	0.05	-3.4293	2.1388	0.21	0.6496
Exp(iu 3 vs. 5)				0.5245	0.7451	0.05	0.0324	8.4890		
li 2 vs. 1	0.2676	0.0756	0.6202	-1.0069	0.7640	0.05	-2.5043	0.4906	1.74	0.1875
Exp(li 2 vs. 1)				0.3654	0.2791	0.05	0.0817	1.6332		
li 2 vs. 3	0.5250	0.2470	0.7883	0.1000	0.6197	0.05	-1.1146	1.3146	0.03	0.8718
Exp(li 2 vs. 3)				1.1052	0.6849	0.05	0.3280	3.7234		
li 2 vs. 4	0.5450	0.1627	0.8807	0.1805	0.9279	0.05	-1.6382	1.9992	0.04	0.8458
Exp(li 2 vs. 4)				1.1978	1.1115	0.05	0.1943	7.3832		
li 2 vs. 5	0.6112	0.1946	0.9109	0.4525	0.9554	0.05	-1.4201	2.3252	0.22	0.6358
Exp(li 2 vs. 5)				1.5723	1.5023	0.05	0.2417	10.2286		
ua 3 vs. 1	0.5791	0.2388	0.8578	0.3192	0.7542	0.05	-1.1590	1.7974	0.18	0.6721
Exp(ua 3 vs. 1)				1.3760	1.0378	0.05	0.3138	6.0340		
ua 3 vs. 2	0.5480	0.3113	0.7648	0.1924	0.5034	0.05	-0.7942	1.1790	0.15	0.7023
Exp(ua 3 vs. 2)				1.2122	0.6101	0.05	0.4520	3.2510		
ua 3 vs. 4	0.4695	0.2140	0.7421	-0.1222	0.6015	0.05	-1.3011	1.0568	0.04	0.8391
Exp(ua 3 vs. 4)				0.8850	0.5324	0.05	0.2722	2.8772		
ua 3 vs. 5	0.3488	0.0673	0.7991	-0.6242	1.0230	0.05	-2.6292	1.3808	0.37	0.5418
Exp(ua 3 vs. 5)				0.5357	0.5480	0.05	0.0721	3.9782		
destination	0.4792	0.3857	0.5741	-0.0834	0.1950	0.05	-0.4656	0.2987	0.18	0.6687
Exp(destination)				0.9200	0.1794	0.05	0.6278	1.3481		

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	Succes Afsluttet forløb efter aftale

Number of Observations Read	311
Number of Observations Used	311
Number of Events	199
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	Succes	Total Frequency
1	1	199
2	0	112

PROC GENMOD is modeling the probability that Succes='1'.

Parameter Information

Parameter	Effect	sex	alde
Prm1	Intercept		
Prm2	sex	0	
Prm3	sex	1	
Prm4	alde		18-39
Prm5	alde		40-49
Prm6	alde		50-59
Prm7	alde		60-69
Prm8	alde		70 eller derover
Prm9	i_afstandkm		
Prm10	sokm		

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	297	391.0152	1.3165
Scaled Deviance	297	391.0152	1.3165
Pearson Chi-Square	297	308.1579	1.0376
Scaled Pearson X2	297	308.1579	1.0376
Log Likelihood		-196.8939	
Full Log Likelihood		-196.2007	
AIC (smaller is better)		408.4015	
AICC (smaller is better)		408.8783	
BIC (smaller is better)		438.3198	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.7867	0.4340	-0.0639	1.6374	3.29	0.0699
sex	0	1	-0.0268	0.2452	-0.5075	0.4538	0.01	0.9129
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.8561	0.5136	-0.1505	1.8628	2.78	0.0955
alde	40-49	1	-0.5703	0.4055	-1.3651	0.2245	1.98	0.1596
alde	50-59	1	-0.2506	0.3368	-0.9107	0.4096	0.55	0.4569
alde	60-69	1	0.3625	0.3272	-0.2789	1.0038	1.23	0.2680
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.1375	0.1253	-0.1081	0.3832	1.20	0.2725
sokm		1	-0.0443	0.0364	-0.1157	0.0272	1.48	0.2245
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.01	0.9128
alde	4	10.57	0.0318
i_afstandkm	1	1.21	0.2709
sokm	1	1.50	0.2210

The GENMOD Procedure

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq

alder 4 vs. 1	0.6210	0.3752	0.8172	0.4937	0.5122	0.05	-0.5101	1.4975	0.93	0.3351
Exp(alder 4 vs. 1)				1.6383	0.8391	0.05	0.6004	4.4704		
alder 4 vs. 2	0.2824	0.1516	0.4641	-0.9328	0.4026	0.05	-1.7218	-0.1438	5.37	0.0205
Exp(alder 4 vs. 2)				0.3935	0.1584	0.05	0.1787	0.8661		
alder 4 vs. 3	0.3514	0.2199	0.5101	-0.6131	0.3334	0.05	-1.2665	0.0403	3.38	0.0659
Exp(alder 4 vs. 3)				0.5417	0.1806	0.05	0.2818	1.0412		
alder 4 vs. 5	0.4104	0.2682	0.5693	-0.3625	0.3272	0.05	-1.0038	0.2789	1.23	0.2680
Exp(alder 4 vs. 5)				0.6959	0.2277	0.05	0.3665	1.3216		
sex 1 vs. 0	0.4933	0.3758	0.6115	-0.0268	0.2452	0.05	-0.5075	0.4538	0.01	0.9129
Exp(sex 1 vs. 0)				0.9735	0.2387	0.05	0.6020	1.5743		
destination	0.5343	0.4730	0.5946	0.1375	0.1253	0.05	-0.1081	0.3832	1.20	0.2725
Exp(destination)				1.1475	0.1438	0.05	0.8975	1.4670		
SOK	0.4889	0.4711	0.5068	-0.0443	0.0364	0.05	-0.1157	0.0272	1.48	0.2245
Exp(SOK)				0.9567	0.0349	0.05	0.8907	1.0275		

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	Succes Afsluttet forløb efter aftale

Number of Observations Read	311
Number of Observations Used	311
Number of Events	199
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover
IKKE_VEST_	4	2 3 4 5
INGEN_UDD	5	1 2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Succes	Total Frequency
1	1	199
2	0	112

PROC GENMOD is modeling the probability that Succes='1'.

Parameter Information

Parameter	Effect	sex	alde	IKKE_ VEST_	INGEN_UDD	LAV_ INDKOM	UF_ARBEJDS
Prm1	Intercept						
Prm2	sex	0					
Prm3	sex	1					
Prm4	alde		18-39				
Prm5	alde		40-49				
Prm6	alde		50-59				
Prm7	alde		60-69				
Prm8	alde		70 eller derover				
Prm9	i_afstandkm						
Prm10	IKKE_VEST_			2			
Prm11	IKKE_VEST_			3			
Prm12	IKKE_VEST_			4			
Prm13	IKKE_VEST_			5			
Prm14	INGEN_UDD				1		
Prm15	INGEN_UDD				2		
Prm16	INGEN_UDD				3		
Prm17	INGEN_UDD				4		
Prm18	INGEN_UDD				5		
Prm19	LAV_INDKOM					1	
Prm20	LAV_INDKOM					2	
Prm21	LAV_INDKOM					3	
Prm22	LAV_INDKOM					4	
Prm23	LAV_INDKOM					5	
Prm24	UF_ARBEJDS						1
Prm25	UF_ARBEJDS						2
Prm26	UF_ARBEJDS						3
Prm27	UF_ARBEJDS						4

Prm28 UF_ARBEJDS 5

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	283	371.7306	1.3135
Scaled Deviance	283	371.7306	1.3135
Pearson Chi-Square	283	304.9779	1.0777
Scaled Pearson X2	283	304.9779	1.0777
Log Likelihood		-187.2516	
Full Log Likelihood		-186.5584	
AIC (smaller is better)		417.1169	
AICC (smaller is better)		420.6308	
BIC (smaller is better)		499.3923	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.1625	0.8548	-1.5128	1.8379	0.04	0.8492
sex	0	1	0.0356	0.2564	-0.4670	0.5382	0.02	0.8896

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.1568	0.5373	0.1037	2.2098	4.64	0.0313
alde	40-49	1	-0.4259	0.4241	-1.2570	0.4052	1.01	0.3152
alde	50-59	1	-0.2197	0.3602	-0.9257	0.4864	0.37	0.5420
alde	60-69	1	0.5919	0.3539	-0.1017	1.2854	2.80	0.0944
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.0610	0.1830	-0.2977	0.4198	0.11	0.7389
IKKE_VEST_	2	1	-0.9154	1.3813	-3.6228	1.7920	0.44	0.5075
IKKE_VEST_	3	1	-1.2093	1.3277	-3.8116	1.3930	0.83	0.3624
IKKE_VEST_	4	1	-3.0210	1.9811	-6.9039	0.8619	2.33	0.1273
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	-0.4511	1.4604	-3.3135	2.4113	0.10	0.7574
INGEN_UDD	2	1	0.5566	1.2772	-1.9467	3.0598	0.19	0.6630
INGEN_UDD	3	1	-0.0036	1.2127	-2.3804	2.3732	0.00	0.9976
INGEN_UDD	4	1	1.1880	0.9925	-0.7572	3.1333	1.43	0.2313
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	-1.2462	1.1112	-3.4241	0.9318	1.26	0.2621
LAV_INDKOM	2	1	-1.4952	0.8948	-3.2489	0.2586	2.79	0.0947
LAV_INDKOM	3	1	-0.2666	0.7530	-1.7425	1.2092	0.13	0.7232
LAV_INDKOM	4	1	-0.7589	0.5516	-1.8400	0.3222	1.89	0.1688
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	2.4574	1.2644	-0.0208	4.9356	3.78	0.0520
UF_ARBEJDS	2	1	1.9477	1.0746	-0.1585	4.0538	3.29	0.0699
UF_ARBEJDS	3	1	2.7359	1.0401	0.6972	4.7745	6.92	0.0085
UF_ARBEJDS	4	1	1.9707	0.8768	0.2522	3.6892	5.05	0.0246
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.02	0.8896
alde	4	13.37	0.0096
i_afstandkm	1	0.11	0.7390
IKKE_VEST_	3	2.58	0.4619
INGEN_UDD	4	7.09	0.1314
LAV_INDKOM	4	5.49	0.2405
UF_ARBEJDS	4	9.48	0.0501

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
alder 4 vs. 1	0.6376	0.3853	0.8316	0.5649	0.5266	0.05	-0.4671	1.5969	1.15	0.2834
Exp(alder 4 vs. 1)				1.7593	0.9263	0.05	0.6268	4.9378		

```
alder 4 vs. 2          0.2655    0.1350    0.4555   -1.0178    0.4283    0.05   -1.8571   -0.1784    5.65      0.0175
Exp(alder 4 vs. 2)                                    0.3614    0.1548    0.05    0.1561    0.8366
alder 4 vs. 3          0.3076    0.1794    0.4743   -0.8115    0.3616    0.05   -1.5202   -0.1028    5.04      0.0248
Exp(alder 4 vs. 3)                                    0.4442    0.1606    0.05    0.2187    0.9023
alder 4 vs. 5          0.3562    0.2166    0.5254   -0.5919    0.3539    0.05   -1.2854    0.1017    2.80      0.0944
Exp(alder 4 vs. 5)                                    0.5533    0.1958    0.05    0.2765    1.1071
sex 1 vs. 0            0.5089    0.3853    0.6314    0.0356    0.2564    0.05   -0.4670    0.5382    0.02      0.8896
Exp(sex 1 vs. 0)                                      1.0362    0.2657    0.05    0.6269    1.7130
iv 2 vs. 1 (2)         0.5729    0.3722    0.7522    0.2938    0.4167    0.05   -0.5230    1.1106    0.50      0.4808
Exp(iv 2 vs. 1 (2))                                   1.3416    0.5591    0.05    0.5928    3.0362
iv 2 vs. 3 (4)         0.1404    0.0096    0.7341   -1.8118    1.4425    0.05   -4.6390    1.0155    1.58      0.2091
Exp(iv 2 vs. 3 (4))                                   0.1634    0.2357    0.05    0.0097    2.7608
iv 2 vs. 4 (5)         0.7702    0.1989    0.9784    1.2093    1.3277    0.05   -1.3930    3.8116    0.83      0.3624
Exp(iv 2 vs. 4 (5))                                   3.3510    4.4492    0.05    0.2483   45.2208
iu 3 vs. 1             0.3900    0.1179    0.7536   -0.4475    0.7986    0.05   -2.0126    1.1177    0.31      0.5753
Exp(iu 3 vs. 1)                                       0.6393    0.5105    0.05    0.1336    3.0579
iu 3 vs. 2             0.6365    0.3894    0.8278    0.5602    0.5154    0.05   -0.4499    1.5703    1.18      0.2770
Exp(iu 3 vs. 2)                                       1.7510    0.9025    0.05    0.6377    4.8083
iu 3 vs. 4             0.7670    0.4813    0.9212    1.1916    0.6462    0.05   -0.0749    2.4582    3.40      0.0652
Exp(iu 3 vs. 4)                                       3.2925    2.1276    0.05    0.9278   11.6836
iu 3 vs. 5             0.5009    0.0852    0.9153    0.0036    1.2127    0.05   -2.3732    2.3804    0.00      0.9976
Exp(iu 3 vs. 5)                                       1.0036    1.2171    0.05    0.0932   10.8096
li 2 vs. 1             0.5619    0.2389    0.8398    0.2490    0.7181    0.05   -1.1585    1.6565    0.12      0.7288
Exp(li 2 vs. 1)                                       1.2827    0.9211    0.05    0.3140    5.2408
li 2 vs. 3             0.7736    0.4931    0.9230    1.2285    0.6408    0.05   -0.0274    2.4845    3.68      0.0552
Exp(li 2 vs. 3)                                       3.4161    2.1890    0.05    0.9729   11.9945
li 2 vs. 4             0.6762    0.2867    0.9156    0.7362    0.8406    0.05   -0.9112    2.3837    0.77      0.3811
Exp(li 2 vs. 4)                                       2.0880    1.7551    0.05    0.4020   10.8446
li 2 vs. 5             0.8169    0.4357    0.9626    1.4952    0.8948    0.05   -0.2586    3.2489    2.79      0.0947
Exp(li 2 vs. 5)                                       4.4600    3.9907    0.05    0.7722   25.7613
ua 3 vs. 1             0.4308    0.1547    0.7579   -0.2785    0.7245    0.05   -1.6984    1.1414    0.15      0.7007
Exp(ua 3 vs. 1)                                       0.7569    0.5484    0.05    0.1830    3.1312
ua 3 vs. 2             0.3126    0.1616    0.5175   -0.7882    0.4380    0.05   -1.6466    0.0702    3.24      0.0719
Exp(ua 3 vs. 2)                                       0.4547    0.1991    0.05    0.1927    1.0728
ua 3 vs. 4             0.3175    0.1357    0.5796   -0.7652    0.5543    0.05   -1.8516    0.3213    1.91      0.1675
Exp(ua 3 vs. 4)                                       0.4653    0.2579    0.05    0.1570    1.3789
ua 3 vs. 5             0.0609    0.0084    0.3324   -2.7359    1.0401    0.05   -4.7745   -0.6972    6.92      0.0085
Exp(ua 3 vs. 5)                                       0.0648    0.0674    0.05    0.0084    0.4980
destination            0.5152    0.4261    0.6034    0.0610    0.1830    0.05   -0.2977    0.4198    0.11      0.7389
Exp(destination)                                      1.0629    0.1946    0.05    0.7425    1.5216
The SAS System                                                                  22:04 Wednesday, June 25, 2014  58

Obs       p

 1     0.92253
The SAS System                                                                  22:04 Wednesday, June 25, 2014  59

Obs       p

 1     0.99414
The SAS System                                                                  22:04 Wednesday, June 25, 2014  60

Obs       p

 1     0.15380
The SAS System                                                                  22:04 Wednesday, June 25, 2014  61

The GENMOD Procedure

        Model Information

Data Set              BEF.INDIVID2
Distribution              Binomial
Link Function                Logit
Dependent Variable               p


Number of Observations Read         347
Number of Observations Used         347
Number of Events                    311
Number of Trials                    347

                  Class Level Information

Class      Levels    Values

sex             2    0 1
alde            5    18-39 40-49 50-59 60-69 70 eller derover


     Response Profile

 Ordered            Total
   Value    p    Frequency

       1    1          311
       2    0           36
```

PROC GENMOD is modeling the probability that p='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	330	214.1818	0.6490
Scaled Deviance	330	214.1818	0.6490
Pearson Chi-Square	330	351.8025	1.0661
Scaled Pearson X2	330	351.8025	1.0661
Log Likelihood		-109.8635	
Full Log Likelihood		-108.4772	
AIC (smaller is better)		234.9544	
AICC (smaller is better)		235.4885	
BIC (smaller is better)		269.5983	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	2.1609	1.0222	0.1574	4.1644	4.47	0.0345
sex	0	1	0.7094	0.3666	-0.0092	1.4280	3.74	0.0530
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.5234	1.1205	-1.6728	2.7195	0.22	0.6404
alde	40-49	1	-1.1613	0.6274	-2.3910	0.0684	3.43	0.0642
alde	50-59	1	-0.9414	0.5688	-2.0563	0.1735	2.74	0.0980
alde	60-69	1	-0.7095	0.5606	-1.8083	0.3892	1.60	0.2056
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.1734	0.6071	-1.0164	1.3632	0.08	0.7752
i_afstand*i_afstandk		1	-0.0003	0.1356	-0.2660	0.2654	0.00	0.9984
sokm		1	-0.0078	0.0610	-0.1273	0.1118	0.02	0.8987
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.85	0.0499
alde	4	6.37	0.1732
i_afstandkm	1	0.08	0.7761
i_afstand*i_afstandk	1	0.00	0.9984
sokm	1	0.02	0.8986

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p

Number of Observations Read	347
Number of Observations Used	347
Number of Events	311
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p	Total Frequency
1	1	311
2	0	36

PROC GENMOD is modeling the probability that p='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	330	214.1367	0.6489
Scaled Deviance	330	214.1367	0.6489
Pearson Chi-Square	330	349.7567	1.0599
Scaled Pearson X2	330	349.7567	1.0599
Log Likelihood		-109.8409	
Full Log Likelihood		-108.4546	
AIC (smaller is better)		234.9093	
AICC (smaller is better)		235.4434	
BIC (smaller is better)		269.5532	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	2.5628	2.0158	-1.3882	6.5138	1.62	0.2036
sex	0	1	0.7098	0.3664	-0.0083	1.4279	3.75	0.0527
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.5276	1.1207	-1.6690	2.7242	0.22	0.6378
alde	40-49	1	-1.1684	0.6280	-2.3992	0.0624	3.46	0.0628
alde	50-59	1	-0.9501	0.5702	-2.0676	0.1673	2.78	0.0956
alde	60-69	1	-0.6999	0.5614	-1.8003	0.4004	1.55	0.2125
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.1496	0.2137	-0.2692	0.5684	0.49	0.4839
sokm*sokm		1	0.0025	0.0117	-0.0205	0.0255	0.04	0.8320
sokm		1	-0.0706	0.3013	-0.6611	0.5199	0.05	0.8147
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.86	0.0496
alde	4	6.42	0.1699
i_afstandkm	1	0.50	0.4813
sokm*sokm	1	0.05	0.8318
sokm	1	0.06	0.8142

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	347
Number of Observations Used	347
Number of Events	226
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	121

PROC GENMOD is modeling the probability that p1='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF

Deviance	330	405.3300	1.2283
Scaled Deviance	330	405.3300	1.2283
Pearson Chi-Square	330	335.3965	1.0164
Scaled Pearson X2	330	335.3965	1.0164
Log Likelihood		-208.2102	
Full Log Likelihood		-205.4376	
AIC (smaller is better)		428.8752	
AICC (smaller is better)		429.4093	
BIC (smaller is better)		463.5191	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.9325	0.6411	-0.3240	2.1889	2.12	0.1458
sex	0	1	-0.1753	0.2405	-0.6467	0.2961	0.53	0.4661
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.9373	0.5905	-0.2200	2.0946	2.52	0.1124
alde	40-49	1	-0.6431	0.3958	-1.4188	0.1325	2.64	0.1041
alde	50-59	1	-1.3237	0.3341	-1.9785	-0.6689	15.70	<.0001
alde	60-69	1	-0.0251	0.3315	-0.6749	0.6247	0.01	0.9397
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0364	0.3913	-0.8034	0.7306	0.01	0.9260
i_afstand*i_afstandk		1	-0.0009	0.0841	-0.1657	0.1639	0.00	0.9912
sokm		1	0.0202	0.0393	-0.0568	0.0973	0.26	0.6071
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.53	0.4655
alde	4	31.83	<.0001
i_afstandkm	1	0.01	0.9260
i_afstand*i_afstandk	1	0.00	0.9912
sokm	1	0.26	0.6070

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	347
Number of Observations Used	347
Number of Events	226
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	121

PROC GENMOD is modeling the probability that p1='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	330	405.1556	1.2277
Scaled Deviance	330	405.1556	1.2277

Pearson Chi-Square	330	334.9573	1.0150
Scaled Pearson X2	330	334.9573	1.0150
Log Likelihood		-208.1230	
Full Log Likelihood		-205.3504	
AIC (smaller is better)		428.7008	
AICC (smaller is better)		429.2349	
BIC (smaller is better)		463.3447	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.4537	1.3088	-1.1116	4.0190	1.23	0.2667
sex	0	1	-0.1760	0.2400	-0.6464	0.2943	0.54	0.4632
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.9477	0.5910	-0.2106	2.1061	2.57	0.1088
alde	40-49	1	-0.6513	0.3963	-1.4281	0.1255	2.70	0.1003
alde	50-59	1	-1.3339	0.3351	-1.9906	-0.6772	15.85	<.0001
alde	60-69	1	-0.0096	0.3317	-0.6597	0.6404	0.00	0.9768
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0691	0.1408	-0.3450	0.2068	0.24	0.6236
sokm		1	-0.0609	0.1971	-0.4471	0.3254	0.10	0.7575
sokm*sokm		1	0.0032	0.0076	-0.0118	0.0182	0.17	0.6764
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.54	0.4625
alde	4	31.82	<.0001
i_afstandkm	1	0.24	0.6235
sokm	1	0.10	0.7573
sokm*sokm	1	0.17	0.6761

The GENMOD Procedure

Model Information

Data Set	BEF.INDIVID2
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	347
Number of Observations Used	347
Number of Events	226
Number of Trials	347

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover
IKKE_VEST_	4	2 3 4 5
INGEN_UDD	5	1 2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	121

PROC GENMOD is modeling the probability that p1='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	316	397.9772	1.2594

Scaled Deviance	316	397.9772	1.2594
Pearson Chi-Square	316	333.2346	1.0545
Scaled Pearson X2	316	333.2346	1.0545
Log Likelihood		-204.5338	
Full Log Likelihood		-201.7612	
AIC (smaller is better)		449.5224	
AICC (smaller is better)		452.9403	
BIC (smaller is better)		538.0569	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.7768	0.8314	0.1473	3.4063	4.57	0.0326
sex	0	1	-0.1856	0.2455	-0.6669	0.2956	0.57	0.4496
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.0658	0.6036	-0.1173	2.2490	3.12	0.0774
alde	40-49	1	-0.6752	0.4099	-1.4787	0.1282	2.71	0.0995
alde	50-59	1	-1.2862	0.3473	-1.9669	-0.6055	13.72	0.0002
alde	60-69	1	0.0723	0.3463	-0.6063	0.7510	0.04	0.8346
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.1004	0.4922	-1.0651	0.8643	0.04	0.8384
i_afstand*i_afstandk		1	-0.0055	0.1115	-0.2241	0.2131	0.00	0.9609
IKKE_VEST_	2	1	-1.1336	1.6761	-4.4188	2.1516	0.46	0.4988
IKKE_VEST_	3	1	-1.5029	1.6201	-4.6782	1.6723	0.86	0.3536
IKKE_VEST_	4	1	-2.0927	2.0700	-6.1497	1.9644	1.02	0.3120
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	1.4081	1.5707	-1.6704	4.4867	0.80	0.3700
INGEN_UDD	2	1	1.2143	1.4063	-1.5420	3.9705	0.75	0.3879
INGEN_UDD	3	1	0.8883	1.3534	-1.7644	3.5409	0.43	0.5116
INGEN_UDD	4	1	1.2142	1.1947	-1.1274	3.5558	1.03	0.3095
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	-1.6954	1.1221	-3.8948	0.5039	2.28	0.1308
LAV_INDKOM	2	1	-0.7601	0.9006	-2.5253	1.0051	0.71	0.3987
LAV_INDKOM	3	1	-0.2397	0.7823	-1.7729	1.2935	0.09	0.7593
LAV_INDKOM	4	1	-0.4593	0.6043	-1.6437	0.7251	0.58	0.4472
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	1.1756	1.2327	-1.2405	3.5916	0.91	0.3403
UF_ARBEJDS	2	1	0.7689	1.0447	-1.2786	2.8164	0.54	0.4617
UF_ARBEJDS	3	1	0.5133	0.9991	-1.4449	2.4714	0.26	0.6074
UF_ARBEJDS	4	1	0.5869	0.8513	-1.0816	2.2554	0.48	0.4906
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

The GENMOD Procedure

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.57	0.4489
alde	4	31.34	<.0001
i_afstandkm	1	0.04	0.8383
i_afstand*i_afstandk	1	0.00	0.9609
IKKE_VEST_	3	1.93	0.5875
INGEN_UDD	4	2.11	0.7160
LAV_INDKOM	4	3.40	0.4935
UF_ARBEJDS	4	1.52	0.8223

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	311
Number of Observations Used	311
Number of Events	226
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	85

PROC GENMOD is modeling the probability that p1='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	296	323.7692	1.0938
Scaled Deviance	296	323.7692	1.0938
Pearson Chi-Square	296	300.4970	1.0152
Scaled Pearson X2	296	300.4970	1.0152
Log Likelihood		-166.0435	
Full Log Likelihood		-163.9641	
AIC (smaller is better)		345.9281	
AICC (smaller is better)		346.5261	
BIC (smaller is better)		379.5863	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.8239	1.4487	-1.0155	4.6632	1.59	0.2080
sex	0	1	-0.4795	0.2786	-1.0255	0.0665	2.96	0.0852
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.0394	0.6692	-0.2721	2.3509	2.41	0.1204
alde	40-49	1	-0.3599	0.4536	-1.2490	0.5291	0.63	0.4275
alde	50-59	1	-1.2879	0.3634	-2.0001	-0.5757	12.56	0.0004
alde	60-69	1	0.2913	0.3850	-0.4633	1.0459	0.57	0.4493
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.1350	0.1584	-0.4455	0.1754	0.73	0.3939
sokm		1	-0.0326	0.2178	-0.4594	0.3941	0.02	0.8808
sokm*sokm		1	0.0023	0.0085	-0.0143	0.0189	0.07	0.7855
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.02	0.0821
alde	4	28.97	<.0001
i_afstandkm	1	0.73	0.3937
sokm	1	0.02	0.8808
sokm*sokm	1	0.07	0.7854

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	311
Number of Observations Used	311
Number of Events	226
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1

alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	85

PROC GENMOD is modeling the probability that p1='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	296	323.8397	1.0941
Scaled Deviance	296	323.8397	1.0941
Pearson Chi-Square	296	300.6132	1.0156
Scaled Pearson X2	296	300.6132	1.0156
Log Likelihood		-166.0787	
Full Log Likelihood		-163.9993	
AIC (smaller is better)		345.9986	
AICC (smaller is better)		346.5966	
BIC (smaller is better)		379.6567	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.4209	0.7203	0.0091	2.8327	3.89	0.0485
sex	0	1	-0.4770	0.2794	-1.0246	0.0706	2.92	0.0878
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.0307	0.6687	-0.2800	2.3414	2.38	0.1232
alde	40-49	1	-0.3582	0.4542	-1.2484	0.5321	0.62	0.4304
alde	50-59	1	-1.2838	0.3635	-1.9962	-0.5713	12.47	0.0004
alde	60-69	1	0.2771	0.3854	-0.4782	1.0324	0.52	0.4721
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0883	0.4436	-0.9578	0.7812	0.04	0.8422
i_afstand*i_afstandk		1	-0.0057	0.0937	-0.1892	0.1779	0.00	0.9518
sokm		1	0.0267	0.0431	-0.0578	0.1112	0.38	0.5358
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	2.97	0.0848
alde	4	29.16	<.0001
i_afstandkm	1	0.04	0.8420
i_afstand*i_afstandk	1	0.00	0.9519
sokm	1	0.38	0.5359

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The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	p1

Number of Observations Read	311
Number of Observations Used	311
Number of Events	226
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover
IKKE_VEST_	4	2 3 4 5
INGEN_UDD	5	1 2 3 4 5

LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	p1	Total Frequency
1	1	226
2	0	85

PROC GENMOD is modeling the probability that p1='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	282	319.6311	1.1334
Scaled Deviance	282	319.6311	1.1334
Pearson Chi-Square	282	298.8762	1.0598
Scaled Pearson X2	282	298.8762	1.0598
Log Likelihood		-163.9744	
Full Log Likelihood		-161.8950	
AIC (smaller is better)		369.7900	
AICC (smaller is better)		373.6367	
BIC (smaller is better)		455.8052	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.9949	0.9326	0.1670	3.8229	4.58	0.0324
sex	0	1	-0.4923	0.2862	-1.0533	0.0687	2.96	0.0855
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.0772	0.6847	-0.2647	2.4191	2.48	0.1156
alde	40-49	1	-0.4338	0.4687	-1.3525	0.4849	0.86	0.3547
alde	50-59	1	-1.2793	0.3778	-2.0198	-0.5389	11.47	0.0007
alde	60-69	1	0.3178	0.4031	-0.4723	1.1078	0.62	0.4305
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0219	0.5591	-1.1178	1.0740	0.00	0.9687
i_afstand*i_afstandk		1	-0.0147	0.1250	-0.2597	0.2303	0.01	0.9066
IKKE_VEST_	2	1	-1.3216	1.7526	-4.7566	2.1134	0.57	0.4508
IKKE_VEST_	3	1	-1.2071	1.6825	-4.5047	2.0905	0.51	0.4731
IKKE_VEST_	4	1	-1.8673	2.1161	-6.0149	2.2802	0.78	0.3775
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	1.5513	1.6721	-1.7260	4.8285	0.86	0.3536
INGEN_UDD	2	1	0.9362	1.4922	-1.9884	3.8608	0.39	0.5304
INGEN_UDD	3	1	0.6502	1.4209	-2.1347	3.4352	0.21	0.6472
INGEN_UDD	4	1	0.7197	1.2235	-1.6784	3.1178	0.35	0.5564
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	-1.4469	1.1921	-3.7834	0.8897	1.47	0.2249
LAV_INDKOM	2	1	-0.4556	0.9557	-2.3288	1.4177	0.23	0.6336
LAV_INDKOM	3	1	-0.3394	0.8163	-1.9393	1.2605	0.17	0.6776
LAV_INDKOM	4	1	-0.3077	0.6955	-1.6709	1.0555	0.20	0.6582
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	0.9782	1.3020	-1.5738	3.5302	0.56	0.4525
UF_ARBEJDS	2	1	0.8495	1.1254	-1.3562	3.0552	0.57	0.4503
UF_ARBEJDS	3	1	0.6545	1.0553	-1.4139	2.7228	0.38	0.5351
UF_ARBEJDS	4	1	0.5288	0.8733	-1.1828	2.2404	0.37	0.5448
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

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The GENMOD Procedure

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	3.02	0.0823
alde	4	27.93	<.0001
i_afstandkm	1	0.00	0.9687
i_afstand*i_afstandk	1	0.01	0.9066
IKKE_VEST_	3	0.88	0.8306
INGEN_UDD	4	1.48	0.8309
LAV_INDKOM	4	2.18	0.7026
UF_ARBEJDS	4	0.69	0.9522

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The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT	
Distribution	Binomial	
Link Function	Logit	
Dependent Variable	Succes	Afsluttet forløb efter aftale

Number of Observations Read	311
Number of Observations Used	311
Number of Events	199
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	Succes	Total Frequency
1	1	199
2	0	112

PROC GENMOD is modeling the probability that Succes='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	296	391.0103	1.3210
Scaled Deviance	296	391.0103	1.3210
Pearson Chi-Square	296	308.1673	1.0411
Scaled Pearson X2	296	308.1673	1.0411
Log Likelihood		-196.8915	
Full Log Likelihood		-196.1983	
AIC (smaller is better)		410.3966	
AICC (smaller is better)		410.9946	
BIC (smaller is better)		444.0548	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.8197	0.6422	-0.4390	2.0785	1.63	0.2018
sex	0	1	-0.0286	0.2465	-0.5117	0.4545	0.01	0.9077
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.8570	0.5137	-0.1499	1.8639	2.78	0.0953
alde	40-49	1	-0.5688	0.4061	-1.3647	0.2271	1.96	0.1613
alde	50-59	1	-0.2495	0.3372	-0.9104	0.4114	0.55	0.4594
alde	60-69	1	0.3648	0.3290	-0.2799	1.0096	1.23	0.2674
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.1118	0.3904	-0.6533	0.8769	0.08	0.7746
i_afstand*i_afstandk		1	0.0058	0.0836	-0.1581	0.1698	0.00	0.9444
sokm		1	-0.0454	0.0400	-0.1237	0.0329	1.29	0.2558
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.01	0.9077
alde	4	10.58	0.0317
i_afstandkm	1	0.08	0.7748
i_afstand*i_afstandk	1	0.00	0.9444
sokm	1	1.31	0.2532

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT
Distribution	Binomial
Link Function	Logit
Dependent Variable	Succes Afsluttet forløb efter aftale

Number of Observations Read	311
Number of Observations Used	311
Number of Events	199
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover

Response Profile

Ordered Value	Succes	Total Frequency
1	1	199
2	0	112

PROC GENMOD is modeling the probability that Succes='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	296	389.3795	1.3155
Scaled Deviance	296	389.3795	1.3155
Pearson Chi-Square	296	307.5790	1.0391
Scaled Pearson X2	296	307.5790	1.0391
Log Likelihood		-196.0761	
Full Log Likelihood		-195.3829	
AIC (smaller is better)		408.7658	
AICC (smaller is better)		409.3638	
BIC (smaller is better)		442.4240	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.8132	1.3206	-3.4015	1.7752	0.38	0.5381
sex	0	1	-0.0230	0.2459	-0.5050	0.4590	0.01	0.9254
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	0.8350	0.5147	-0.1738	1.8439	2.63	0.1047
alde	40-49	1	-0.5579	0.4065	-1.3547	0.2389	1.88	0.1700
alde	50-59	1	-0.2276	0.3382	-0.8905	0.4352	0.45	0.5009
alde	60-69	1	0.3207	0.3295	-0.3251	0.9665	0.95	0.3304
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	0.2282	0.1449	-0.0558	0.5122	2.48	0.1152
sokm		1	0.2067	0.1994	-0.1841	0.5976	1.07	0.2998
sokm*sokm		1	-0.0099	0.0078	-0.0251	0.0053	1.63	0.2017
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.01	0.9254
alde	4	9.32	0.0535
i_afstandkm	1	2.52	0.1127
sokm	1	1.07	0.3002
sokm*sokm	1	1.64	0.2009

The GENMOD Procedure

Model Information

Data Set	BEF.FREMMODT	
Distribution	Binomial	
Link Function	Logit	
Dependent Variable	Succes	Afsluttet forløb efter aftale

Number of Observations Read	311
Number of Observations Used	311
Number of Events	199
Number of Trials	311

Class Level Information

Class	Levels	Values
sex	2	0 1
alde	5	18-39 40-49 50-59 60-69 70 eller derover
IKKE_VEST_	4	2 3 4 5
INGEN_UDD	5	1 2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Succes	Total Frequency
1	1	199
2	0	112

PROC GENMOD is modeling the probability that Succes='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	282	371.6631	1.3180
Scaled Deviance	282	371.6631	1.3180
Pearson Chi-Square	282	304.9146	1.0813
Scaled Pearson X2	282	304.9146	1.0813
Log Likelihood		-187.2178	
Full Log Likelihood		-186.5247	
AIC (smaller is better)		419.0494	
AICC (smaller is better)		422.8961	
BIC (smaller is better)		505.0646	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.1661	0.8553	-1.5103	1.8425	0.04	0.8460
sex	0	1	0.0283	0.2581	-0.4775	0.5340	0.01	0.9128
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alde	18-39	1	1.1519	0.5376	0.0982	2.2057	4.59	0.0321
alde	40-49	1	-0.4203	0.4247	-1.2526	0.4121	0.98	0.3223
alde	50-59	1	-0.2117	0.3616	-0.9206	0.4971	0.34	0.5582
alde	60-69	1	0.5935	0.3539	-0.1002	1.2872	2.81	0.0936
alde	70 eller derover	0	0.0000	0.0000	0.0000	0.0000	.	.
i_afstandkm		1	-0.0642	0.5159	-1.0753	0.9469	0.02	0.9009
i_afstand*i_afstandk		1	0.0296	0.1139	-0.1937	0.2529	0.07	0.7951
IKKE_VEST_	2	1	-0.7567	1.5104	-3.7171	2.2036	0.25	0.6164
IKKE_VEST_	3	1	-1.0535	1.4570	-3.9093	1.8022	0.52	0.4696
IKKE_VEST_	4	1	-2.9534	1.9971	-6.8677	0.9609	2.19	0.1392
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
INGEN_UDD	1	1	-0.4330	1.4634	-3.3012	2.4353	0.09	0.7673
INGEN_UDD	2	1	0.5797	1.2814	-1.9318	3.0913	0.20	0.6510
INGEN_UDD	3	1	-0.0229	1.2162	-2.4065	2.3607	0.00	0.9850
INGEN_UDD	4	1	1.1869	0.9926	-0.7586	3.1324	1.43	0.2318
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	-1.2626	1.1139	-3.4458	0.9205	1.29	0.2570
LAV_INDKOM	2	1	-1.4869	0.8959	-3.2428	0.2689	2.75	0.0970
LAV_INDKOM	3	1	-0.2933	0.7609	-1.7847	1.1980	0.15	0.6998
LAV_INDKOM	4	1	-0.6904	0.6113	-1.8886	0.5078	1.28	0.2588
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	2.3932	1.2884	-0.1320	4.9184	3.45	0.0632
UF_ARBEJDS	2	1	1.8850	1.1009	-0.2728	4.0428	2.93	0.0869
UF_ARBEJDS	3	1	2.6804	1.0616	0.5997	4.7612	6.37	0.0116
UF_ARBEJDS	4	1	1.9171	0.8998	0.1535	3.6807	4.54	0.0331

UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

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The GENMOD Procedure

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.01	0.9128
alde	4	13.10	0.0108
i_afstandkm	1	0.02	0.9009
i_afstand*i_afstandk	1	0.07	0.7950
IKKE_VEST_	3	2.50	0.4758
INGEN_UDD	4	7.14	0.1286
LAV_INDKOM	4	4.59	0.3323
UF_ARBEJDS	4	9.09	0.0590

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The GENMOD Procedure

Model Information

Data Set	WORK.PP
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6483
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694
Missing Values	73

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	
Full Log Likelihood		-1253.8059	
AIC (smaller is better)		2519.6119	
AICC (smaller is better)		2519.6250	
BIC (smaller is better)		2560.2055	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
dist_c		1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001

```
Scale                 0      1.0000      0.0000      1.0000      1.0000

NOTE: The scale parameter was held fixed.


      LR Statistics For Type 3 Analysis

                              Chi-
Source              DF       Square    Pr > ChiSq

sex                  1         0.69        0.4052
alder                1       158.37        <.0001
alder*alder          1       108.96        <.0001
dist_c               1        10.89        0.0010
SOKm                 1        16.49        <.0001
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The GENMOD Procedure

                          Model Information

Data Set                          WORK.PP
Distribution                     Binomial
Link Function                       Logit
Response Variable (Events)     n_henvis2
Response Variable (Trials)             n    Number_rode


Number of Observations Read          6483
Number of Observations Used          6410
Number of Events                      347
Number of Trials                    58694
Missing Values                         73


      Class Level Information

Class            Levels    Values

sex                   2    0 1
INGEN_UDD             5    1 2 3 4 5
IKKE_VEST_            4    2 3 4 5
LAV_INDKOM            5    1 2 3 4 5
UF_ARBEJDS            5    1 2 3 4 5


         Response Profile

 Ordered     Binary          Total
   Value     Outcome     Frequency

       1     Event             347
       2     Nonevent        58347


             Criteria For Assessing Goodness Of Fit

Criterion                      DF           Value        Value/DF

Deviance                     6390       1891.7910          0.2961
Scaled Deviance              6390       1891.7910          0.2961
Pearson Chi-Square           6390       7150.9614          1.1191
Scaled Pearson X2            6390       7150.9614          1.1191
Log Likelihood                         -1950.5958
Full Log Likelihood                    -1239.8366
AIC (smaller is better)                 2519.6732
AICC (smaller is better)                2519.8047
BIC (smaller is better)                 2654.9855


Algorithm converged.
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The GENMOD Procedure

                   Analysis Of Maximum Likelihood Parameter Estimates

                                    Standard   Wald 95% Confidence         Wald
Parameter         DF   Estimate      Error          Limits          Chi-Square   Pr > ChiSq

Intercept          1   -11.9687     0.8074   -13.5511   -10.3863       219.77       <.0001
sex           0    1     0.0873     0.1095    -0.1273     0.3020         0.64       0.4253
sex           1    0     0.0000     0.0000     0.0000     0.0000            .            .
alder              1     0.2491     0.0251     0.1998     0.2983        98.29       <.0001
alder*alder        1    -0.0018     0.0002    -0.0022    -0.0014        71.88       <.0001
dist_c             1    -0.1990     0.0936    -0.3825    -0.0155         4.52       0.0335
INGEN_UDD     1    1    -1.3325     0.6112    -2.5303    -0.1346         4.75       0.0292
INGEN_UDD     2    1    -1.5151     0.5576    -2.6080    -0.4222         7.38       0.0066
INGEN_UDD     3    1    -1.6364     0.5254    -2.6662    -0.6066         9.70       0.0018
```

INGEN_UDD	4	1	-1.1712	0.4514	-2.0558	-0.2865	6.73	0.0095
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
IKKE_VEST_	2	1	0.2792	0.6427	-0.9805	1.5389	0.19	0.6640
IKKE_VEST_	3	1	0.8061	0.6127	-0.3948	2.0070	1.73	0.1883
IKKE_VEST_	4	1	0.1469	0.8830	-1.5837	1.8776	0.03	0.8678
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	0.0529	0.4674	-0.8632	0.9690	0.01	0.9099
LAV_INDKOM	2	1	0.3376	0.3889	-0.4246	1.0997	0.75	0.3853
LAV_INDKOM	3	1	-0.0184	0.3497	-0.7038	0.6670	0.00	0.9580
LAV_INDKOM	4	1	-0.0496	0.2480	-0.5356	0.4365	0.04	0.8416
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	0.0952	0.5210	-0.9259	1.1162	0.03	0.8551
UF_ARBEJDS	2	1	0.2368	0.4527	-0.6503	1.1240	0.27	0.6008
UF_ARBEJDS	3	1	-0.0697	0.4241	-0.9008	0.7614	0.03	0.8694
UF_ARBEJDS	4	1	-0.1532	0.3645	-0.8676	0.5611	0.18	0.6742
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.64	0.4247
alder	1	149.79	<.0001
alder*alder	1	100.43	<.0001
dist_c	1	4.57	0.0326
INGEN_UDD	4	12.17	0.0161
IKKE_VEST_	3	11.43	0.0096
LAV_INDKOM	4	3.61	0.4615
UF_ARBEJDS	4	3.00	0.5583

The GENMOD Procedure

Model Information

Data Set	WORK.QQ
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6451
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694
Missing Values	41

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	
Full Log Likelihood		-1253.8059	
AIC (smaller is better)		2519.6119	
AICC (smaller is better)		2519.6250	
BIC (smaller is better)		2560.2055	

Algorithm converged.

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
dist_c		1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4052
alder	1	158.37	<.0001
alder*alder	1	108.96	<.0001
dist_c	1	10.89	0.0010
SOKm	1	16.49	<.0001

The GENMOD Procedure

Model Information

Data Set	WORK.QQ
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6451
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694
Missing Values	41

Class Level Information

Class	Levels	Values
sex	2	0 1
INGEN_UDD	5	1 2 3 4 5
IKKE_VEST_	4	2 3 4 5
LAV_INDKOM	5	1 2 3 4 5
UF_ARBEJDS	5	1 2 3 4 5

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	6390	1891.7910	0.2961
Scaled Deviance	6390	1891.7910	0.2961
Pearson Chi-Square	6390	7150.9614	1.1191
Scaled Pearson X2	6390	7150.9614	1.1191
Log Likelihood		-1950.5958	
Full Log Likelihood		-1239.8366	
AIC (smaller is better)		2519.6732	
AICC (smaller is better)		2519.8047	
BIC (smaller is better)		2654.9855	

Algorithm converged.

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-11.9687	0.8074	-13.5511	-10.3863	219.77	<.0001
sex	0	1	0.0873	0.1095	-0.1273	0.3020	0.64	0.4253
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2491	0.0251	0.1998	0.2983	98.29	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	71.88	<.0001
dist_c		1	-0.1990	0.0936	-0.3825	-0.0155	4.52	0.0335
INGEN_UDD	1	1	-1.3325	0.6112	-2.5303	-0.1346	4.75	0.0292
INGEN_UDD	2	1	-1.5151	0.5576	-2.6080	-0.4222	7.38	0.0066
INGEN_UDD	3	1	-1.6364	0.5254	-2.6662	-0.6066	9.70	0.0018
INGEN_UDD	4	1	-1.1712	0.4514	-2.0558	-0.2865	6.73	0.0095
INGEN_UDD	5	0	0.0000	0.0000	0.0000	0.0000	.	.
IKKE_VEST_	2	1	0.2792	0.6427	-0.9805	1.5389	0.19	0.6640
IKKE_VEST_	3	1	0.8061	0.6127	-0.3948	2.0070	1.73	0.1883
IKKE_VEST_	4	1	0.1469	0.8830	-1.5837	1.8776	0.03	0.8678
IKKE_VEST_	5	0	0.0000	0.0000	0.0000	0.0000	.	.
LAV_INDKOM	1	1	0.0529	0.4674	-0.8632	0.9690	0.01	0.9099
LAV_INDKOM	2	1	0.3376	0.3889	-0.4246	1.0997	0.75	0.3853
LAV_INDKOM	3	1	-0.0184	0.3497	-0.7038	0.6670	0.00	0.9580
LAV_INDKOM	4	1	-0.0496	0.2480	-0.5356	0.4365	0.04	0.8416
LAV_INDKOM	5	0	0.0000	0.0000	0.0000	0.0000	.	.
UF_ARBEJDS	1	1	0.0952	0.5210	-0.9259	1.1162	0.03	0.8551
UF_ARBEJDS	2	1	0.2368	0.4527	-0.6503	1.1240	0.27	0.6008
UF_ARBEJDS	3	1	-0.0697	0.4241	-0.9008	0.7614	0.03	0.8694
UF_ARBEJDS	4	1	-0.1532	0.3645	-0.8676	0.5611	0.18	0.6742
UF_ARBEJDS	5	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.64	0.4247
alder	1	149.79	<.0001
alder*alder	1	100.43	<.0001
dist_c	1	4.57	0.0326
INGEN_UDD	4	12.17	0.0161
IKKE_VEST_	3	11.43	0.0096
LAV_INDKOM	4	3.61	0.4615
UF_ARBEJDS	4	3.00	0.5583

The GENMOD Procedure

Model Information

Data Set	WORK.OO
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	n_henvis2
Response Variable (Trials)	n Number_rode

Number of Observations Read	6427
Number of Observations Used	6410
Number of Events	347
Number of Trials	58694
Missing Values	17

Class Level Information

Class	Levels	Values
sex	2	0 1

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	347
2	Nonevent	58347

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF

Deviance	6404	1919.7297	0.2998
Scaled Deviance	6404	1919.7297	0.2998
Pearson Chi-Square	6404	7407.8252	1.1567
Scaled Pearson X2	6404	7407.8252	1.1567
Log Likelihood		-1964.5652	
Full Log Likelihood		-1253.8059	
AIC (smaller is better)		2519.6119	
AICC (smaller is better)		2519.6250	
BIC (smaller is better)		2560.2055	

Algorithm converged.

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The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-13.3754	0.7595	-14.8639	-11.8869	310.18	<.0001
sex	0	1	0.0909	0.1094	-0.1235	0.3053	0.69	0.4058
sex	1	0	0.0000	0.0000	0.0000	0.0000	.	.
alder		1	0.2532	0.0250	0.2041	0.3023	102.20	<.0001
alder*alder		1	-0.0018	0.0002	-0.0022	-0.0014	76.56	<.0001
dist_c		1	-0.2180	0.0661	-0.3474	-0.0885	10.89	0.0010
SOKm		1	0.0640	0.0161	0.0325	0.0955	15.85	<.0001
Scale		0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

LR Statistics For Type 3 Analysis

Source	DF	Chi-Square	Pr > ChiSq
sex	1	0.69	0.4052
alder	1	158.37	<.0001
alder*alder	1	108.96	<.0001
dist_c	1	10.89	0.0010
SOKm	1	16.49	<.0001