

Monday

- Rates and Survival
- Likelihood for rates
- Lifetables
- The Cox-model for rates
- (non)-Linear models: Estimates and predictions
- Follow-up data
- Models for tabulated data
- Age-Period and Age-Cohort models
- **Practical:** Age-Period and Age-Cohort models
Linear and curved effects

Tuesday

- Recap of Monday & practical
- Age-drift model
- Age at entry
- Age-Period-Cohort model
- Tabulation in the Lexis diagram
- APC-model for triangular data
- APC-model: Parametrization
- **Practical:** Age-Period-Cohort models

Wednesday

- Recap of Tuesday & practical
- APC-model as an interaction model
- Lee-Carter models as extension of APC-models
- Age-Diagnosis-Duration models: relation to APC models
- **Practical:** APC / Lee-Carter model

Thursday

- Recap of Wednesday & practical
- APC-models for several datasets
- Predicting future rates
- (time permitting) Continuous outcome APC models
- **Practical:** Prediction from APC models

Schedule

Each day there will be 2×45 min. lectures followed by one hour practical computer practicals and a wrap-up of the practicals.