

SPE-R timetable (University of Tartu, 1 to 5 June 2026)

Daily timetable

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|---------------|---------------------------------|
| 9:00 - 9:30 | Recap of yesterday's practicals |
| 9:30 - 10:30 | Lecture |
| 10:30 - 11:00 | Coffee break |
| 11:00 - 13:00 | Practical |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:30 | Recap of morning's practical |
| 14:30 - 15:30 | Lecture |
| 15:30 - 16:00 | Tea break |
| 16:00 - 18:00 | Practical |

Monday 1 June – Day 1

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|---------------|---|
| 8:30 - 9:00 | Registration |
| 9:00 - 9:15 | Welcome |
| 9:15 - 10:00 | R History and Ecology (MP) |
| 10:00 - 10:30 | Coffee break |
| 10:30 - 11:30 | Practical: Tabulation & Graphics in R (KF) |
| 11:30 - 12:00 | Simple Poisson and binary regression (JP) |
| 12:00 - 13:00 | Practical: Analysis of hazard rates, their ratios and differences and binary regression |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:30 | Recap of morning practicals. |
| 14:30 - 15:15 | Linear and generalized linear models (EL) |
| 15:15 - 15:45 | Introduction to splines (MP) |
| 15:45 - 16:15 | Coffee break |
| 16:15 - 18:00 | Practical: Estimation of effects: simple and more complex – Poisson regression & analysis of curved effects |
| 18:00 - 19:00 | Welcome reception |

Tuesday 2 June – Day 2

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|---------------|--|
| 9:00 - 9:30 | Recap of yesterday's practical |
| 9:30 - 10:30 | Causal inference 1: basic concepts (KF) |
| 10:30 - 11:00 | Tea break |
| 11:00 - 13:00 | Practical: Causal inference |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:30 | Recap of morning practicals |
| 14:30 - 15:30 | More advanced graphics in R, including <code>ggplot2</code> (MP) |
| 15:30 - 16:00 | Coffee break. |
| 16:00 - 18:00 | Practical: Graphics meccano |

Wednesday 3 June – Day 3

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|---------------|---|
| 9:00 - 9:30 | Recap of yesterday's practicals |
| 9:30 - 10:30 | Survival analysis: Kaplan Meier – basic Cox-model, and basic analysis of competing risks (JP) |
| 10:30 - 11:00 | Coffee break |
| 11:00 - 13:00 | Practical: Survival analysis with competing risks: Oral cancer patients |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:30 | Recap of morning practical |
| 14:30 - 15:30 | Dates in R; follow-up representation in <code>Lexis</code> objects, time-splitting, and SMR (BxC) |
| 15:30 - 16:00 | Tea break. |
| 16:00 - 18:00 | Practical: Time-splitting, time-scales and SMR |

Thursday 4 June – Day 4

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|---------------|---|
| 9:00 - 9:30 | Recap of yesterday's practicals |
| 9:30 - 10:30 | Nested and matched cc-studies – Case-cohort studies (KF) |
| 10:30 - 11:00 | Coffee break. |
| 11:00 - 13:00 | Practical: Nested case-control study and case-cohort study |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:30 | Recap of morning practical |
| 14:30 - 15:30 | Causal inference 2: model-based estimation of causal contrasts (EL) |
| 15:30 - 16:00 | Tea break. |
| 16:00 - 18:00 | Practical: Causal inference 2: Model-based estimation of causal estimands |
| 19:00 - | Course dinner |

Friday 5 June – Day 5

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|---------------|--|
| 9:00 - 9:30 | Recap of yesterday's practicals |
| 9:30 - 10:30 | Multistate models, Poisson models for rates and simulation of <code>Lexis</code> objects (BxC) |
| 10:30 - 11:00 | Coffee break. |
| 11:00 - 12:15 | Practical: Time-dependent variables and multiple states |
| 12:15 - 12:45 | Recap of morning practical |
| 12:45 - 13:00 | Wrap-up and farewell. |

Further material will appear on the course website