



Flexible Parametric Survival Models

January 21 - 23, 2016

Faculty **Professor Paul Lambert**
University of Leicester and Karolinska Institutet

Place **CH – 3823 Wengen | SWITZERLAND**
Room Bühlstube (see map on <http://www.epi-winterschool.org/hotels>)

Timetable

Thursday, January 21, 2016

08:00 Welcome and introduction to the course
Review of time-to-event data including Cox and Poisson regression

10:00 *Coffee*

The use of splines in regression models
Introduction to Royston-Parmar models

12:00 *Break*

17:00 Stata Practical
Comparison of Royston-Parmar and Cox models
Predicting survival and hazard functions
Number and location of knots
Review of Day 1

19:00 *End of day*

Friday, January 22, 2016

08:00 Modelling time-dependent effects.

10:00 *Coffee*

Useful predictions.
Quantifying differences

12:00 *Break*

17:00 Stata Practical
Relaxing the proportional hazards assumption
Quantifying differences between groups.
Review of Day 2

19:00 *End of day*

Saturday, January 23, 2016

08:00 Adjusted survival curves and standardization

10:00 *Coffee*

Accounting for competing risks in time-to-event models

12:00 *Break*

17:00 Stata Practical
Standardized survival curves
Fitting a competing risks models
Predicting cumulative incidence function.
Review of Day 3 and course evaluation.

19:00 *End of course*