



Two-part DSBS Course

Survival Analysis in Clinical Trials

Part 1: 17-18 January 2018

Part 2: 31 January - 1 February 2018

Hosted by Lundbeck A/S

Lecturers

Per Kragh Andersen, Section of Biostatistics,
University of Copenhagen

Henrik Ravn, Biostatistics, Novo Nordisk A/S

The course will be centered on real-life data examples from clinical trials, including withdrawal patterns and adverse events.

It will be possible to sign up only for the first, the second or both parts of the course.

The first part, 17-18 January, will cover standard survival analysis and competing risks.

The second part, 31 January- 1 February, will cover analysis of multi-state models and recurrent events with or without competing risks.

The course will consist of lectures and exercises using SAS.

Participants must bring their own laptop with SAS installed.

Venue Lundbeck A/S
Ottiliavej 9
2500 Valby

Registration

The course fee is DKK 2000 per part, corresponding to DKK 4000 for the full course.

Please register for the first, the second or both parts of the course.

Deadline 22 December 2017

To register, please send a mail to

commres1351@Lundbeck.com

Joint registration by department is warmly welcomed.

There is a limit on the number of attendees. The first come, first serve principle will be applied.

Survival Analysis in Clinical Trials

Course plan

Part 1: 17-18 January 2018

Day 1 17 January 2018	Standard survival analysis
	Independent censoring
	Kaplan-Meier and Nelson-Aalen
	Occurrence/exposure rates
	Log-rank test
	Cox model
	SAS PROC LIFETEST and PHREG

Day 2 18 January 2018	Competing risks
	Cause-specific hazard (Nelson-Aalen)
	Cumulative incidence (Aalen-Johansen)
	Regression: <ul style="list-style-type: none">- Cause-specific hazard function (Cox)- Hazard model for the sub-distribution (Fine-Gray)
	SAS PROC LIFETEST and PHREG (SAS/Stat 14.1)

Part 2: 31 January - 1 February 2018

Day 3 31 January 2018	Multi-state models
	Recap of part 1
	Recurrent events – intensity based models
	Frailty models
	SAS PROC PHREG

Day 4 1 February 2018	Marginal analyses of recurrent events
	Without competing risks: <ul style="list-style-type: none">- Mean function (Nelson-Aalen and robust variance)- Mean function regression
	With competing risks
	SAS PROC PHREG