



Two-part DSBS Course

Survival Analysis in Clinical Trials

Part 1: 17-18 January 2019

Part 2: 31 January - 1 February 2019

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.

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

Part 1 will be an introduction to survival analysis – concepts and results, extending into analysis of competing risks.

Part 2 will cover analysis of multi-state models for recurrent events, including events with duration and/or severity, and competing risks.

The course will consist of lectures and exercises.

Participants must bring their own laptop.

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

Please register before
January 4, 2019

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

18 January	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

Part 2

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

1 February	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