

## Concept Programme Survival Analysis 2019

### **Monday 4 November 2019**

08:30	Registration (with coffee or tea)	Boerhaaveplein
09:00	Introduction to survival analysis, examples	CZ-3
09:30	Time scales, type Censoring	
10:15	Definition of important concepts: hazards, survival curves	
10:45	Coffee break	Boerhaaveplein
11:15	Non parametric methods	CZ-3
11:45	Kaplan-Meier estimate, Median survival, Median follow-up	
12:30	Lunch break	
13:30	Practical exercises at own workplace	
15:30	Plenary discussion of practical exercises	CZ-3

### **Tuesday 5 November 2019**

08:45	Registration (no coffee or tea available)	CZ-3
09:00	Recall concepts from day I	CZ-3
09:15	Introduction to testing	
09:30	Local test	
10:00	Global test	
10:30	Coffee break	Boerhaaveplein
11:00	Regression models	CZ-3
11:15	Cox proportional hazards model	
11:45	Predicted survival	
12:30	Lunch break	
13:30	Practical exercises at own workplace	
15:30	Plenary discussion of practical exercises	CZ-3

### **Wednesday 6 November 2019**

08:45	Registration (no coffee or tea available)	CZ-3
09:00	Stratified Cox proportional hazards model	CZ-3
09:30	Special aspects: Time-dependent covariates; Landmark analysis	
10:30	Coffee break	Boerhaaveplein
11:00	Predicted survival for specific covariates	CZ-3
11:30	Checking model assumptions, goodness-of-fit, explained Variation	
12:30	Lunch break	
13:30	Practical exercises at own workplace	
15:30	Plenary discussion of practical exercises	CZ-3

**Thursday 7 November 2019**

08:45	Registration (no coffee or tea available)	CZ-3
09:00	Predictive models, Prognostic Index	CZ-3
09:45	Measuring predictive values	
10:45	Coffee break	Boerhaaveplein
11:15	Alternative regression methods: Accelerated failure time model	CZ-3
12:30	Alternative regression methods: Poisson regression	
12:30	Lunch break	
13:30	Practical exercises at own workplace	
15:30	Plenary discussion of practical exercises	CZ-3

**Friday 8 November 2019**

08:45	Registration (no coffee or tea available)	CZ-3
09:00	Competing risks and multi-state models	CZ-3
10:00	Clustered data	
10:45	Coffee break	Boerhaaveplein
11:00	Sample size calculations	CZ-3
12:00	Interim analysis	
12:30	Lunch break	
13:30	Practical exercises at own workplace	
15:30	Plenary discussion of practical exercises	CZ-3