La science pour la santé
From science to health

Inserm Workshop

Avancées récentes dans l'analyse statistique des données de survie
Recent advanced in statistical analysis of survival data

Dates / 13-15 May 2020 ◘ Bordeaux, France

Date Jour 1 ◘ Date Day 1

15:30 - 16:00	**Reception of participants**
16:00 - 16:15	Welcome and presentation by the organizers
SESSION I	**Introduction to survival analysis**
16:15 - 17:00	Overview of recent advances in survival analysis **Per Andersen (Univ. Copenhagen, Denmark)**
17:00 - 17:30	**Coffee break**
SESSION II	**High dimensional data**
17:30 - 18:15	Random forest for survival data **Thomas Gerds (Univ. Copenhagen, Denmark)**
18:15 - 19:00	A high-dimensional model for censored durations **Agathe Guilloux (Univ. Evry, France)**
19:30	**Dinner**

Date Jour 2 ◘ Date Day 2

06:30 - 08:30	**Breakfast**
SESSION III	**Multi-state**
08:30 - 09:15	Introduction to multi-state model **Hein Putter (Leiden Univ., Netherland)**
09:15 - 10:00	Multi-state model with time dependent exposure **Jan Beyersman (Ulm Univ., Germany)**
10:00 - 10:30	**Coffee break**
10:30 - 11:15	Multi-state models for intermittently observed data **Christopher Jackson (MRC, Cambridge, UK)**
11:15 - 12:00	Restricted mean survival time, years lost and new functionals in multi-state models **Aurelien Latouche (CNAM, Paris, France)**
12:00 - 14:00	**Lunch**
SESSION IV	**Causality in survival analysis**
14:00 - 14:45	Causal interpretation in survival analysis **Kjetil Roystland (Oslo Univ., Norway)**
14:45 - 15:30	Hazard ratio and probabilistic Index in Cox model **Jan de Neve (Ghent, Belgium)**
15:30 - 16:00	**Coffee Break**
SESSION V	**Recurrent events**
16:00 - 16:45	Introduction to recurrent events **Jennifer Rogers (Appartenance, Osford, UK)**
16:45 - 17:30	Accounting for risk-free periods in models for recurrent events **Richard Cook (Univ. Waterloo, Canada)**
17:30 - 18:15	Joint models for recurrent events and terminal events **Virginie Rondeau (Inserm,Bordeaux, Frances)**
19:30 - 20:15	**Cocktail**
20:15	**Dinner**

Date Jour 3 ◘ Date Day 3

06:30 - 08:30	**Breakfast**
SESSION IV	**Joint models for time-to- event and longitudinal markers**
08:30 - 09:15	Introduction to joint models and extension for multivariate generalized linear model **Mickael Crowther (Univ. Leicester, UK)**
09:15 - 10:00	Prediction from joint models **Dimitris Rizopoulos (Erasmus Univ., Rotterdam, Netherland)**
10:00-10:30	Comparison of joint models and landmark approach **Loic Ferrer (Sophie Genetics, Bordeaux, France)**
10:30 - 11:00	**Coffee Break**
11:00 - 11:45	Joint model for heteroscedastic data **Jessica Barrett (Medical Research Council, Cambridge ,UK)**
11:45 - 12:30	Joint latent class mixed models **C Proust-Lima (Inserm, Bordeaux, France)**
12:00 - 14:00	**Lunch**
14:00	**Departure**