Inserm Workshop 261
Recent advances in statistical analysis of survival data

REGISTRATION DEADLINE: March 5, 2021

ORGANIZERS: Hélène JACQMIN-GADDA (Inserm U1219, Bordeaux), Aurélien LATOUCHE (Inserm U900/Cnam, FRA), Virginie RONDEAU (Inserm U1219, Bordeaux)

AIMS: Over the past ten years, new methods have been developed for the analysis of complex survival data that were made available through free software. The objective of this workshop is to present and discuss these methods and illustrate their use on data from health research.

PHASE I – CRITICAL ASSESSMENT
May 25-28, 2021 - in videoconference
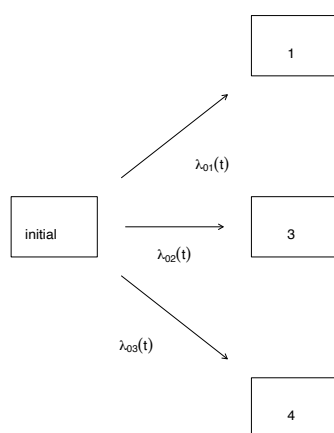
INTRODUCTION TO SURVIVAL ANALYSIS
Per ANDERSEN (University of Copenhagen, DNK)

HIGH DIMENSIONAL SURVIVAL DATA
Thomas GERDS (University of Copenhagen, DNK), Agathe GUILLOUX (Paris-Saclay, FRA)

MULTI-STATE MODELS
Ahmadou ALIOUM (Inserm U1219, Bordeaux, FRA), Hein PUTTER (Leiden University, NLD), Christopher JACKSON (MRC Laboratory of Molecular Biology, GBR), Aurélien LATOUCHE (CNAM, FRA)

CAUSALITY IN SURVIVAL ANALYSIS
Kjetil ROYSTLAND (University of Oslo, NOR), Jan DE NEVE (Ghent University, BEL)

RECURRENT EVENTS
Jennifer ROGERS (University of Oxford, GBR), Richard COOK (University of Waterloo, CAN), Virginie RONDEAU (Inserm U1219, FRA)

JOINT MODELS FOR TIME-TO-EVENT AND LONGITUDINAL MARKERS
Michael CROWTHER (Karolinska Institute, Sweden), Dimitris RIZOPOULOS (Erasmus Medical Center Rotterdam, NLD), Loïc FERRER (Sophia Genetics, FRA), Jessica BARRETT (Medical Research Council, GBR), Cécile PROUST-LIMA (Inserm U1219, FRA)
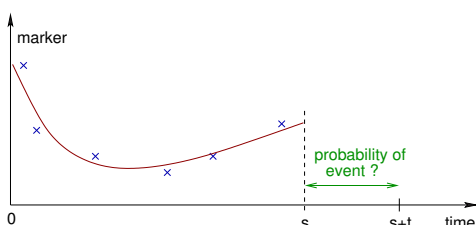
PHASE II – TECHNICAL WORKSHOP
September 22-24, 2021 - Bordeaux

The objective is to allow participants to have practical experience for some methods discussed in Phase I using freely available R packages. The following will be discussed:
- Joint modeling of longitudinal and time to event data under a bayesian approach: R package JMBayes; Speakers: Dimitris Rizopoulos & Greg Papageorgiou (Rotterdam, The Netherlands)
- General frailty models for correlated and recurrent time-to-event: R package FRAILTYPACK; Speakers: Virginie Rondeau & Denis Rustand (Bordeaux, France)
- Multi-state modelling: R package MSM; Speaker: Christopher Jackson (Cambridge, UK).

SELECTION: 20 trainees will be selected among Phase I participants.

Information and registration:
ateliers@inserm.fr

Inserm
La science pour la santé
From science to health