Ph.D. in "Life Course Research" – Socio-demographic curriculum

Academic Year 2023-2024

Introduction to Event History Analysis

Prof. Raffaele Guetto

University of Florence
raffaele.guetto@unifi.it

Prof. Daniele Vignoli

University of Florence
daniele.vignoli@unifi.it

Objectives
This course covers univariate and multivariate (regression) methods for analyzing duration (event-history) data. Students will learn data management skills specific to conducting event-history analysis in Stata. Finally, students will be able to apply the learned methods in social and demographic research.

Program
Monday morning (Instructor: D. Vignoli):
- Introduction to longitudinal data, survival functions.

Tuesday morning (Instructor: D. Vignoli):
- Episode splitting, exponential, and piece-wise constant exponential model.

Wednesday morning (Instructor: R. Guetto):
- Competing-risk, Cox, and other parametric models.
Wednesday afternoon (Instructor: M.F. Morabito):
- Event History Analysis in Stata.

Thursday morning (Instructor: R. Guetto):
- Discrete-time models.

Wednesday afternoon (20/12) (Instructor: R. Guetto):
- Correction of assignment.

Suggested lecture
- H.-P.Blossfeld, G.Rohwer, T.Schneider (2019). Event History Analysis with Stata. 2nd Edition. Routledge.
- Slides and additional materials will be provided during the course.

Requirements
Fundamentals of demography, generalized linear model, some acquaintance with regression analysis in Stata.