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

Academic Year 2026-2027

Introduction to Event History Analysis

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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
Wednesday morning (Instructor: D. Vignoli):
- Introduction to longitudinal data, survival functions.
Wednesday afternoon (Instructor: D. Vignoli):
- Episode splitting, exponential, and piece-wise constant exponential model.

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

Friday morning (Instructor: R. Guetto):
- Discrete-time models, recap of applied models.

Suggested lectures
- 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.