

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

Academic Year 2024-2025

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

Monday morning (Instructor: D. Vignoli):

- Introduction to longitudinal data, survival functions.

Wednesday morning (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.

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.