

The University of Colorado Population Center (CUPC),
Institute of Behavioral Science, announces
a summer short course in

Longitudinal Data Analysis: Hazard Models

June 17-19, 2009 — Boulder, Colorado

The course will provide an overview of statistical approaches to analyze longitudinal and quasi-longitudinal data with an emphasis on time-dependent processes, covering both their theory and practice. In addition to an introduction to the general family of models and related data management issues in Stata, the course covers the details behind the estimation and evaluation/diagnostic of techniques such as:

Discrete-time Survival Analysis

Piece-wise Exponential Models with Individual and Grouped Data

Cox Proportional Hazard Models

Multi-level Hazard Models

Incorporating Unobserved Heterogeneity

Multivariate Hazard Rate Decomposition Techniques

Instructors:

Dan Powers, *University of Texas - Austin*

Jani Little, *University of Colorado - Boulder*

Fernando Riosmena, *University of Colorado - Boulder*

Format: The course is open to all graduate students, postdoctoral fellows, and junior faculty from any institution. CUPC will provide a limited number of stipends to help defray the cost of travel to and from the short course.

Course credit: If desired, CU students may enroll in the course for 1.5 credits, and the CUPC will cover tuition expenses. Credit-seeking students will be expected to complete a final exam. **For further information**, including application information, please see: http://www.colorado.edu/lbs/cupc/short_courses/long_data/ or contact: Fernando.Riosmena@colorado.edu. The deadline for applications is May 8. Supported in part by NICHD.