YouthLife

Program of YouthLife Training Course:
Quantitative Descriptive Methods of Longitudinal Data
Webinars via ZOOM
October 18th-20th, 2021

Note: The schedule is given in CEST (Central European Summer Time)

Monday, 18 October 2021 - Continuous-time and Discrete-time Event History Analysis	
09:00–09:15	**Welcome and Introduction to the Workshop** *Dr. Gwendolin J. Blossfeld & Dr. Lydia Kleine*
09:15–10:45	**Basic Terminology, Concepts, and Data Structures for Continuous-time and Discrete-time Event History Analysis** *Dr. Gwendolin J. Blossfeld*
10:45–11:00	Break
11:00–12:30	**Introduction to STATA** *Dr. Gwendolin J. Blossfeld & Dr. Lydia Kleine*
12:30–13:30	Lunch break
13:30-15:00	**Data Preparation using STATA** *Dr. Gwendolin J. Blossfeld*
15:00-15:15	Break
15:15-16:45	**Statistical Models for Continuous-time and Discrete-time Event History Analysis** *Prof. Dr. Hans-Peter Blossfeld & Dr. Gwendolin J. Blossfeld*

Tuesday, 19 October 2021 - Continuous-time and Discrete-time Event History Analysis	
09:00–10:30	**Continuous-time and Discrete-time Models with Time-constant Covariates** *Prof. Dr. Hans-Peter Blossfeld & Dr. Gwendolin J. Blossfeld*
10:30–10:45	Break
10:45–12:15	**Continuous-time and Discrete-time Models with Time-varying Covariates** *Prof. Dr. Hans-Peter Blossfeld & Dr. Gwendolin J. Blossfeld*
12:15–13:15	Lunch break
13:15–14:45	**Continuous-time and Discrete-time Models with Duration Dependence** *Prof. Dr. Hans-Peter Blossfeld & Dr. Gwendolin J. Blossfeld*
14:45–15:00	Break
15:00–16:30	**Unobserved heterogeneity** *Prof. Dr. Hans-Peter Blossfeld & Dr. Gwendolin J. Blossfeld*

Wednesday, 20 October 2021 - Sequence analysis	
09:00–10:30	**Introduction to Sequence Analysis** *Dr. Brendan Halpin*
10:30–10:45	Break
10:45–12:15	**Comparing and Clustering Lifecourse Trajectories** *Dr. Brendan Halpin*
12:15–13:15	Lunch break
13:15–14:45	**Making Sense of Inter-sequence Distance Data** *Dr. Brendan Halpin*

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About the course: Over the last two decades, the methods of sequence and event history analysis have gained in importance in the social sciences due to the increasing availability of longitudinal data. The aim of this course is to introduce to the quantitative descriptive methods of continuous-time and discrete-time event analysis as well as sequence analysis. Application examples will be estimated using the software Stata and the two data sets the 'German Life History Study (GLHS)' and the 'German National Educational Panel Study (NEPS)'. Event history data refers to 'data that provides information on the exact durations leading up to a change of a state and their sequence.' Examples are the durations of unemployment phases in labor market research or length of time children live with their parents.

Target group: Researchers and PhD students of TLU from all disciplines
Group size: max. 12 persons

Professor Hans-Peter Blossfeld is Emeritus of Excellence at the University of Bamberg. He is the founder of the NEPS and held a Chair of Sociology at the University of Bamberg from 2002 until 2020. 2012-2017, he was on leave to take over the Chair of Sociology at the European University Institute in Florence, Italy. He is an internationally renowned expert on life-course research, statistical methods for longitudinal data analysis, modern methods of quantitative social research, cross-national research, social inequality, youth, family, educational sociology, labour market research, demography, and social stratification and mobility.

Dr. Gwendolin J. Blossfeld is Postdoc in the Twinning Project 'Youthlife' and the DFG priority programme 1646 'Education as a Lifelong Process. Analyzing Data of the National Educational Panel Study (NEPS)' both located at the University of Bamberg. Her substantive research interests are in the fields of methods of longitudinal data analysis, educational sociology, social inequality, and demography.

Dr. Brendan Halpin is Senior Lecturer at the University of Limerick. He is an expert in quantitative sociology with a focus on life course analysis. He has published research on family formation and dissolution, labour market dynamics, social class from a life course perspective, as well as methods for analysis of longitudinal data.

Dr. Lydia Kleine is a Research Assistant at the Research Unit 'Research Data Center (FDZ)' at the Leibniz Institute for Educational Trajectories (LIfBi). Her work includes studies on the linkage between social inequality and educational success (especially social relations and educational decision making), migration and integration, gender disparities as well as data sharing and data reuse.

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