



DFG Priority Programme 1646

Education as a Lifelong Process

SPP 1646 Summer School 2017

on

Longitudinal Analyses in Educational Research

at

**Leibniz Institute for Educational Trajectories
Bamberg, Germany**

July, 31 – August, 4, 2017

Organized by:

Sabine Weinert

Hans-Peter Blossfeld

Coordinated by:

Lena Nusser



In cooperation with



ORGANIZATIONAL INFORMATION

The SPP 1646 Summer School seeks to promote young researchers connected to the DFG Priority Programme 1646 “Education as a Lifelong Process – Analyzing Data of the National Educational Panel Study” by strengthening their theoretical and methodological skills in educational research.

This second Summer School of the second phase offers a five-day program with various teaching and learning formats. Topics are offered in lectures or workshops focusing on different issues of educational research held by leading researchers from different disciplines (sociology, educational research, psychology, and statistics). This year’s focus of the SPP 1646 Summer School is on longitudinal analyses and methodological approaches. The recommended literature and workshop materials will be available for download (password protected) on the SPP website (<https://spp1646.neps-data.de/>).

Additionally, there are discussion-sessions organized by (inter)national experts focusing on PhD theses and papers submitted by Summer School participants. Participants are invited to submit a paper, thesis, exposé, presentation they would like to discuss with (inter)national experts in the field of educational research. All participants of the SPP 1646 Summer School are welcome to join these discussion sessions and are expected to actively engage in the discussion of the papers. Research papers will be available for download (password protected) on the SPP website (<https://spp1646.neps-data.de/>).

Moreover, a scientific writing course is offered to learn how to write more clearly and concisely. Due to its interactive format a limited number of participants is allowed. Thus, the workshop will take place twice. Please indicate in your registration form on which date you prefer to participate (the coordinator will allocate the participants to the workshops depending on all registrations).

Furthermore, the LIfBI-RDC offers an open hour for any questions by the participants regarding the data of the NEPS, new releases etc. The experts at the RDC are happy to support the participants with any queries or open questions.

The Summer School Program is supplemented by two social events. On Monday, the LIfBi e.V sponsors a local beer reception for all participants of the SPP1646 Summer School. On Wednesday, participants are invited to a joint conference dinner. These events will give all participants the opportunity to get in touch with each other and also with the invited experts.

On Tuesday and Thursday, there will be the opportunity to get together with other participants at joint dinners. Locations will be announced at the Summer School.

PROGRAM OVERVIEW

	Monday (07/31)	Tuesday (08/01)		Wednesday (08/02)	Thursday (08/03)	Friday (08/04)		
Morning	Registration & Welcome	Discussion of PhD-Papers	Workshop on Scientific Writing by Robert Kail	Workshop on Growth Curve Modeling by Juho Härkönen	Workshop on R-Package 'lara' by Christian Aßmann	Discussion of PhD-Papers	Workshop on Scientific Writing by Robert Kail	
	Lecture by Magnus Nermo	Discussion of PhD-Papers				Discussion of PhD-Papers		
Afternoon	Lecture by Bernhard Nauck	Discussion of PhD-Papers			Discussion of PhD-Papers	Workshop on Longitudinal Analysis		Discussion of PhD-Papers
	Lecture by Sandra Buchholz	Open Hour at the RDC-LifBi			Open Hour at the RDC-LifBi			
Evening	Local Beer Reception			Joint Conference Diner at Salino				

DETAILED PROGRAM

Monday, July 31, 2017	
09.30 – 10:45	Registration Snacks, Coffee, ...
10.45 – 11.00	Sabine Weinert & Hans-Peter Blossfeld <i>Welcome</i>
Lectures	
11.00 – 12.30	Magnus Nermo Gender inequality in the labour market
12.30 – 14.00	Lunch Break
14.00 – 16.30	Bernhard Nauck Working with post-hoc harmonized international large-scale data sets: The case of home leaving and co-residence in the United States, Germany, Taiwan and China
16.30 – 17.00	Coffee Break
17.00 – 18.00	Sandra Buchholz Who profits from alternative paths to higher secondary education? It's all a matter of the perspective!
18.00	Local Beer Reception sponsored by LIfBi e.V.

Tuesday, August 1, 2017		
	Discussion of PhD	Workshop by Robert Kail (Group 1)
09.30 – 11.00	Discussion of PhD Papers I	Scientific Writing Part I
11.00 – 11.15	Coffee Break	
11.15 – 12.45	Discussion of PhD Papers II	Scientific Writing Part II
12.45 – 14.15	Lunch Break	
14.15 – 15.45	Discussion of PhD Papers III	Scientific Writing Part III
15.45 – 16.00	Coffee Break	
16.00 – 17.30	Open Hour at the LIfBi-RDZ	Scientific Writing Part IV

Wednesday, August 2, 2017	
Workshop by Juho Härkönen	
09.30 – 11.00	Growth curve analysis with multilevel models Part I
11.00 – 11.15	Coffee Break
11.15 – 12.45	Growth curve analysis with multilevel models Part II
12.45 – 14.15	Lunch Break
14.15 – 15.45	Growth curve analysis with multilevel models Part III
15.45 – 16.00	Coffee Break
16.00 – 17.30	Growth curve analysis with multilevel models Part IV
19.00	Joint Conference Diner at Salino

Thursday, August 3, 2017	
Workshops	
09.30 – 11.00	Christian Aßmann Workshop on R-Package 'lara' (LAtent Regression Analysis) Part I
11.00 – 11.15	Coffee Break
11.15 – 12.45	Christian Aßmann Workshop on R-Package 'lara' (LAtent Regression Analysis) Part II
12.45 – 14.15	Lunch Break
14.15 – 15.45	Workshop on Longitudinal Analysis Part I
15.45 – 16.00	Coffee Break
16.00 – 17.30	Workshop on Longitudinal Analysis Part II

Friday, August 4, 2017		
Discussion of PhD		Workshop by Robert Kail (Group 2)
09.30 – 11.00	Discussion of PhD Papers I	Scientific Writing Part I
11.00 – 11.15	Coffee Break	
11.15 – 12.45	Discussion of PhD Papers II	Scientific Writing Part II
12.45 – 14.15	Lunch Break	
14.15 – 15.45		Scientific Writing Part III
15.45 – 16.00	Coffee Break	
16.00 – 17.30		Scientific Writing Part IV

LECTURES & WORKSHOPS

Bernhard Nauck

Chemnitz University of Technology, bernhard.nauck@soziologie.tu-chemnitz.de

Working with post-hoc harmonized international large-scale data sets: The case of home leaving and co-residence in the United States, Germany, Taiwan and China

The presentation will cover three consecutive steps, with an emphasis on application:

In the first step, the formulation of bridge hypotheses is discussed, which may explain the connection between societal characteristics, such as “national culture”, kinship systems and welfare regimes, on the one hand, and individual action, such as leaving the parental home or patterns of cohabitation with various types of household members in the transition to adulthood, on the other hand.

In the second step, some selected problems of post-hoc data harmonization are discussed. Four panel studies (NLSY97 for the USA; PAIRFAM for Germany; CFPS for China; TYP for Taiwan) will be described, which were harmonized for similar cohorts, with an age span of 15 to 30 years.

In the third step, selected results are presented with graphs and tabulations, both for descriptive and theory testing purposes. Age specific tabulations and graphs demonstrate differences between countries with regard to age-specific transitions to adulthood (school-to-work-trajectory, home leaving, coresidence, marriage, parenthood). Separate discrete-time event history models were used to test partially components of the bridge hypotheses.

The empirical results point to significant cultural differences between home-leaving in collectivistic, patrilineal societies (China, Taiwan) and individualistic, bilineal societies (USA, Germany). Whereas neolocal housing signifies an important step in the transition to adulthood in the latter societies, continuous intergenerational housing, or even an early return to it, is normatively supported in collectivistic cultures. Differences between the United States and Germany on the one hand, and China and Taiwan on the other, point to variation in welfare regimes and differences in urbanization.

Readings

Nauck, Bernhard, Nicolai Groepler, & Chin C. Yi. (2017). How Kinship Systems and Welfare Regimes Shape Leaving Home: A Comparative Study of the United States, Germany, Taiwan, and China. *Demographic Research*, 36 (38), 1109-1148.

Magnus Nermo

Stockholm University, magnus.nermo@sociology.su.se

Gender inequality in the labour market

Over the past century women have made major advances in the labor market such as increased working hours, and the inflow of women into qualified occupations. However, gender differences in especially wage seem remarkably persistent. Recent research suggests that there is a trade-off between family friendly jobs and occupations and welfare states on the one hand, and women's relative wages on the other. In particular, the family policies in Scandinavia are thought to harm especially highly educated women by affecting occupational segregation and workplace skill development.

The lecture focuses on gender inequality in Sweden in a comparative perspective, and the overall purpose is to provide an overview of sociological and economic theories and evidence on gender inequality in the labour market and how it relates to the family. Thus, the lecture cover areas such as the persistent gender gap in e.g. wages, supervisory positions and elite positions, but also the role of skill investment, occupational segregation, time-consuming Job characteristics and family responsibilities for understanding gender differences in developed societies.

Preliminary readings

Bihagen, E., M. Nermo and C. Stern (2014) "The gender gap in the business elite: Stability and change in characteristics of Swedish top wage earners in large private companies, 1993–2007", *Acta Sociologica*, 57(2); 119–133

Blau F.D. and L. M. Kahn (2016) "The Gender Wage Gap: Extent, Trends, and Explanations", IZA DP No. 9656

Grönlund, A. and C. Magnusson (2016) Family-friendly policies and women's wages – is there a trade-off? Skill investments, occupational segregation and the gender pay gap in Germany, Sweden and the UK, *European Societies*, 18(1): 91-113

Mandel H and Semyonov M (2006) A welfare state paradox: State interventions and women's employment opportunities in 22 countries. *American Journal of Sociology* 111(6): 1910–1949.

Olivetti, C. and B. Petrongolo (2016) "The evolution of gender gaps in industrialized countries", NBER WORKING PAPER SERIES No 21887, National Bureau of Economic Research

Magnusson C. and M. Nermo (2017) Gender, Parenthood and Wage Differences: The Importance of Time-Consuming Job Characteristics, *Social Indic Research*, 131(2): 797-816.

Juho Härkönen

Stockholm University, juho.harkonen@sociology.su.se

Growth curve analysis with multilevel models

This one-day workshop serves as an introduction to growth curve analysis (GCA). GCA has become an increasingly popular method in analysis of longitudinal data in sociology, psychology, and related fields. It can be used to analyze the development of continuously measured outcomes (such as earnings, occupational prestige, grades, or psychological well-being) and how these trajectories vary between individuals. During this workshop, we outline the idea behind GCA and its relation to other common methods for analyzing longitudinal data, as well as the relationship between the multilevel and structural equations approaches to GCA, and practice GCA using multilevel analysis in Stata. Successful completion of the workshop requires a good command of regression analysis and an understanding of longitudinal data. Familiarity with Stata and multilevel analysis are additional assets.

Core reading:

Rabe-Hesketh, S. & Skrondal, A. 2012. Multilevel and Longitudinal Modeling in Using Stata. Volume I: Continuous Responses. Stata Press. Esp. Ch 7.

Further Literature Recommendations:

Andreß, H-J., Golsch, K., & Schmidt, A.W. 2013. Applied Panel Data Analysis for Economic and Social Surveys. Heidelberg: Springer.

Curran, P.J., Obeidat, K., & Lisardo, D. 2010. Twelve frequently asked questions about growth curve modeling. *Journal of Cognition and Development*, 11(2):121-136.

Härkönen, J. & Bihagen, E. 2011. Occupational attainment and career progression in Sweden. *European Societies* 13(3):451-79.

Preacher, C.W., Wichman, A.L., MacCallum, R.C., & Briggs, N.E. 2008. *Latent Growth Curve Modeling*. Sage

Steele, F. 2008. Multilevel models for longitudinal data. *Journal of the Royal Statistical Society – Series A* 171(1): 5-19.

Robert V. Kail

Purdue University, rkail@purdue.edu

Scientific Writing

This workshop will consist of several lessons designed to help participants learn to write clearly, concisely, and gracefully. The workshop will be highly interactive: each lesson is organized around a single theme (e.g., how to convey emphasis) in which heuristics are presented and participants practice those heuristics in an anonymous chat room.

Literature Recommendation:

Kail, R. V. (2015). *Scientific writing for psychology: Lessons in clarity and style*. Thousand Oaks CA: SAGE.

LOCATION

The meeting will be held at the LIfBi e.V. Wilhelmsplatz 3, 96047 Bamberg.

REGISTRATION

Registration will open on July, 31, at 9.30 and will be open throughout the whole duration of the Summer School. The registration desk can be found in the hallway on the first floor.

LECTURES

The lectures and workshops will be held by distinguished international scholars in the fields of educational research and statistical methods. All lectures will be held in Room 104 on the first floor. Participants are expected to prepare for the lectures by reading literature suggested by the lecturers and to actively participate in the discussion of the research ideas of the other Summer School participants.

DISCUSSION SESSIONS

In the discussion sessions PhD and post PhD students will be given the opportunity to present and discuss their PhD projects and papers with the invited experts.

The participant is expected to give a very short presentation on his/her thesis idea or of a certain research paper at the Summer School before the assigned expert discusses the theme of the paper and gives feedback on theoretical and methodological aspects. Afterwards there will be the opportunity to discuss further questions in the plenum.

INTERNET ACCESS

The University of Bamberg participates in the Eduroam Project. For further information please visit: <https://www.uni-bamberg.de/rz/dienstleistungen/netz/wlan/wlan-verbinding-an-der-uni-bamberg-einrichten/eduroam/>

ACCOMMODATIONS AND TRAVEL COSTS

Travel costs, expenses for overnight accommodation, breakfast, joint conference dinner will be met by the SPP coordination project for SPP members. Lunch is not covered, but recommendations will be given.

Travel expenses (by train: ticket for 2nd class; by car: 0.35 € per kilometer with justified reason or 0.25€ per kilometer with unjustified reasons¹) will be reimbursed after the meeting. Please make sure to save your original travel tickets until after the conference.

¹ Regulations of the Bavarian Travel Expense Law (BayRKG): As justified reasons classify business-related or personal reasons (e.g. business place is not reachable by public transportation on time; necessary, heavy baggage of at least 10kg or large, bulky luggage; at least one other business traveler will accompany you for at least half of the distance; the traveler has severe walking impairments).

