

Ruben Lukas Bach

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EDUCATION

Dr. rer. soc. (Sociology) 2018

University of Mannheim, Germany

Thesis: Unintended Behavioral Consequences Due to Repeated Measurement, Committee: Frauke Kreuter, Joseph Sakshaug, Florian Keusch

M.Sc. (Socio-Economics) 2015

Friedrich-Alexander University Erlangen-Nuremberg, Germany

Thesis: Does the Participation in a Panel Study Change Respondents' Behavior? Evidence of Panel Conditioning in PASS, Supervisor: Monika Jungbauer-Gans

B.A. (Social Sciences) 2012

Heinrich-Heine University Düsseldorf, Germany

Thesis: The Influence of Religious Beliefs on Attitudes Towards Homosexuality in International Comparison: An Analysis with Data from the ISSP 2008, Supervisors: Tilo Beckers, Peter Hartmann

Visiting B.A. Student (August-January) 2010 - 2011

Université de Franche-Comté, Besançon, France

AREAS OF INTEREST & EXPERTISE

Survey Research: Big Data & Alternative Data Sources for Survey Research, Panel Conditioning, Motivated Misreporting, Response Propensities, Establishment Survey Methodology

Statistical Methods: Machine Learning, Causal Inference, Treatment Effects, Propensity Scores, Instrumental Variables

CURRENT AFFILIATIONS

Postdoctoral Researcher since 2018

Chair of Statistics & Methodology and Collaborative Research Center SFB 884 "Political Economy of Reforms"

University of Mannheim, Germany

EMPLOYMENT HISTORY

Research Associate & PhD Student 2015 - 2018

Statistical Methods, Institute for Employment Research (IAB), Nuremberg, Germany & Joint Graduate Program of the Institute for Employment Research (IAB) and the School of Business and Economics of the University of Erlangen-Nuremberg, Germany

Lecturer 2017 - 2018

Institute for Sociology, University of Erlangen-Nuremberg, Germany

Visiting Scholar (September-December) 2017

Institute for Social Research, University of Michigan-Ann Arbor

Student Research Assistant 2013 - 2015
Statistical Methods, Institute for Employment Research (IAB), Nuremberg, Germany

Student Research Assistant 2011 - 2012
Department of Educational Research and Educational Management, University of Düsseldorf, Germany

PUBLICATIONS

Bach, R. & Eckman, S. (2019). Participating in a Panel Study Changes Respondents' Labour Market Behaviour. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 182(1), 263–281. (<https://doi.org/10.1111/rssa.12367>)

Bach, R. & Eckman, S. (2018). Motivated Misreporting in Web Panels. *Journal of Survey Statistics and Methodology*, 6(3), 418-430. (<https://doi.org/10.1093/jssam/smx030>)

Bach, R. & Eckman, S. (2017). Does Participating in a Panel Study Change Respondents' Labour Market Behaviour? *IAB Discussion Paper*, 15/2017. (<http://doku.iab.de/discussionpapers/2017/dp1517.pdf>)

Manuscripts in Preparation (Drafts Available)

Bach, R., Eckman, S., and Wengrzik, J. Motivated Misreporting and Response Propensity: Are Reluctant Respondents Worse Reporters? (R&R)

Amaya, A., Bach, R., Keusch, F., and Kreuter, F. New Data Sources in Social Science Research: Things to Know Before Working with Reddit Data. (R&R)

Bach, R. A Methodological Framework for the Analysis of Panel Conditioning Effects. (Under Review)

Bach, R., Kern, C., Amaya, A., Keusch, F., Kreuter, F., Hecht, J., and Heinemann, J. Predicting Political Behavior and Attitudes Using Digital Trace Data.

Haas, G.-C., Eckman, S., Bach, R., and Kreuter, F. Moving Establishment Surveys from Mail to Web: Unit and Item Nonresponse.

Haas, G.-C., Eckman, S., Bach, R., and Kreuter, F. Assessing the Effect of the Web Mode on Response Burden in Establishment Surveys.

INVITED TALKS

Does Participating in a Panel Survey Change Respondents Labor Market Behavior? 2016
Washington Statistical Society (Methodology Section), DC AAPOR, Society of Government Economists, Washington, D.C., May.

Does the Participation in a Panel Study Change Respondents Actual Behavior? Evidence of Panel Conditioning in a German Panel Study on Labor Market Outcomes 2015
Department of Sociology, Ludwig-Maximilians-Universität, Munich, Germany, November.

CONFERENCE ACTIVITY

Paper Presentations 2018
Bach, R. A Methodological Framework for The Analysis of Panel Conditioning Effects.

Methodology of Longitudinal Surveys II Conference, University of Essex, UK, July.

Bach, R. A Methodological Framework for The Analysis of Panel Conditioning Effects.
International Total Survey Error Workshop, Duke University, Durham, NC, June.

2017

Bach, R. & Eckman, S. Changes in Labor Market Behavior due to Panel Survey Participation
7th Conference of the European Survey Research Association, Lisbon, Portugal, July.

Bach, R. & Eckman, S. Motivated Misreporting in Web Panels
AAPOR 72nd Annual Conference, New Orleans, LA, May.

Bach, R. & Eckman, S. Verhaltensänderungen aufgrund von Panelteilnahme? Panel Conditioning Effekte
im PASS
11. Workshop der Panelsurveys in Deutschland, Nuremberg, Germany, February.

2016

Bach, R. & Eckman, S. Motivated Misreporting in Web Panels
Joint Statistical Meetings, Chicago, IL, August.

Bach, R. & Eckman, S. Changes in Labor Market Behavior Due to Panel Conditioning in a German Panel
Study
AAPOR 71st Annual Conference, Austin, TX, May.

Bach, R., Eckman, S., and Wengrzik, J. Are Reluctant Respondents Worse Reporters? Motivated Mis-
reporting and Response Propensity
AAPOR 71st Annual Conference, Austin, TX, May.

2015

Bach, R. & Eckman, S. Changes in Behavior due to Panel Conditioning in a German Panel Study on Labor
Market Outcomes
Joint Statistical Meetings, Seattle, WA, August.

Bach, R. & Eckman, S. Does the Participation in a Panel Study Change Respondents Behavior? Evidence
of Panel Conditioning in a German Panel Study on Labor Market Outcomes
6th Conference of the European Survey Research Association, Reykjavik, Iceland, July.

Poster Presentations

2018

Bach, R., Kern, C., Amaya, A., Keusch, F., Kreuter, F., Hecht, J., and Heinemann, J. Predicting Political
Behavior and Attitudes Using Digital Trace Data. BigSurv18 - Big Data Meets Survey Science Conference,
Barcelona, Spain, October.

2016

Bach, R. & Eckman, S. Can Survey Participation Affect Respondents' Behavior? Estimating Panel Condi-
tioning Using Respondents' Administrative Data
Modern Modeling Methods, University of Connecticut, Storrs, CT, May.

2015

Bach, R. & Eckman, S. Changes in Labor Market Behavior due to Panel Conditioning in a German Panel
Study
Rational Choice Sociology: Theory and Empirical Applications, Venice, Italy, November.

TEACHING

2018

Research Design: Causal Inference (6 ECTS graduate course), Fall Semester, University of Mannheim, Germany.

Research Practicum: Big Data in the Social Sciences (in German; 6 ECTS undergraduate course), Spring Semester, University of Mannheim, Germany.

2017/2018
Introduction to Web Surveys (in German; 5 ECTS undergraduate course), Winter Semester, University of Erlangen-Nuremberg, Germany.

2016
Introduction to Propensity Scores. Short Course. Institute for Employment Research (IAB), Nuremberg, Germany.

GRANTS & AWARDS 2018
Travel Award, BigSurv18 - Big Data Meets Survey Science Conference, Barcelona, Spain, October.

Student Paper Award, Methodology of Longitudinal Surveys II Conference, University of Essex, UK, July. ("A Methodological Framework for the Analysis of Panel Conditioning Effects")

2017
Student Travel Award, AAPOR 72nd Annual Conference, New Orleans, LA, May.

2015
Three-year Scholarship, Joint Graduate Program of the Institute for Employment Research (IAB) and the School of Business and Economics of the Friedrich-Alexander University Erlangen-Nuremberg, Germany.

2010
Travel Grant for Study Abroad, ERASMUS Program

PROFESSIONAL DEVELOPMENT 2018
Big Data Processing for Social Science: An Introduction to Apache Spark (I. Thomas). BigSurv18 - Big Data Meets Survey Science Conference, Barcelona, Spain, October.

2016
Advanced Survey Methods (J. Sakshaug). Institute for Employment Research (IAB), Nuremberg, Germany, November.

Mathematical Tools for Social Scientists (M. Elff). GESIS Summer School, Cologne, Germany, August.

Bayesian Modeling (X. Fernández-i-Marín). Barcelona Summer School in Survey Methodology, Pompeu Fabra University, Barcelona, Spain, July.

2015
Structural Equation Modeling (D. Oberski). Institute for Employment Research (IAB), Nuremberg, Germany, November.

Causal Inference (D.B. Rubin). University of Bamberg, Germany, October.

Machine Learning for Social Scientists (M. Schonlau). Conference of the European Survey Research Association, Reykjavik, Iceland, July.

Advanced Statistics and Econometrics (J. Ludsteck and S. Eckman). Institute for Employment Research

(IAB), Nuremberg, Germany, June.

SERVICE TO THE PROFESSION

Article Reviewer

Journal for Labour Market Research, Journal of Official Statistics, Public Opinion Quarterly

Conference Paper Reviewer

AAPOR (2019), GOR (2018)

Conference & Workshop Organization

Member of the Organizing Committee of the International Total Survey Error Workshop

2018, 2019

Organizer of the International Total Survey Error Workshop, Institute for Employment Research (IAB), Nuremberg, Germany, June.

2017

Member of the Organizing Committee of the IAB Graduate School's 8th Interdisciplinary Ph.D. Workshop on "Perspectives on (Un-)Employment", Institute for Employment Research (IAB), Nuremberg, Germany, December.

2015

Membership in Professional Associations

Akademie für Soziologie, American Association for Public Opinion Research, American Statistical Association, European Survey Research Association

SOFTWARE

Python (Basic), R, SPSS, SQL, Stata

LANGUAGES

German (Native), English (Fluent), French (Fluent)