

# Ruben Lukas Bach

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Professorship for Statistics and Methodology & SFB 884 (Political Economy of Reforms)  
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July 2018

## 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* 2018 -  
Professorship for Statistics & Methodology and 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. (2018). Participating in a Panel Study Changes Respondents' Labour Market Behaviour. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*. (<https://doi.org/10.1111/rssa.12367>)

Bach, R. & Eckman, S. (2017). Motivated Misreporting in Web Panels. *Journal of Survey Statistics and Methodology*. (<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)

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

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

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

## **INVITED TALKS**

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

Bach, R. 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  
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  
7<sup>th</sup> Conference of the European Survey Research Association, Lisbon, Portugal, July.

Bach, R. & Eckman, S. Motivated Misreporting in Web Panels  
AAPOR 72<sup>nd</sup> 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.

Wengrzik, J., Eckman, S., and Bach, R. Are Reluctant Respondents Worse Reporters? Motivated Underre-  
porting and Response Propensity  
Joint Statistical Meetings, Chicago, IL, August.

Haas, G.C., Eckman, S., Bach, R., and Kreuter, F. Moving Establishment Surveys from Mail to Web  
Performance and Data Quality  
5<sup>th</sup> International Conference on Establishment Surveys, Geneva, Switzerland, June.

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

Bach, R., Eckman, S., and Wengrzik, J. Are Reluctant Respondents Worse Reporters? Motivated Misre-  
porting and Response Propensity  
AAPOR 71<sup>st</sup> 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  
6<sup>th</sup> Conference of the European Survey Research Association, Reykjavik, Iceland, July.

### ***Poster Presentations***

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 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 72<sup>nd</sup> Annual Conference, New Orleans, LA, May.

2015

Three-year Scholarship to Attend the 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**

2016

Survey Methods, Two Day Course (J. Sakshaug). Institute for Employment Research (IAB), Nuremberg, Germany, November.

Mathematical Tools for Social Scientists, One Week Workshop (M. Elff). GESIS, Cologne, Germany, August.

Bayesian Modeling, One Week Workshop (X. Fernández-i-Marín) Pompeu Fabra University, Barcelona, Spain, July.

2015

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

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

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

Statistics and Econometrics, Two Week Course (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***

General Online Research, Germany (2018)

***Conference & Workshop Organization***

2018

Member of the Organizing Committee of the International Total Survey Error Workshop, Duke University, Durham, NC, July.

2017

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

2015

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

***Membership in Professional Associations***

American Association for Public Opinion Research, American Statistical Association - Survey Research Methods Section, European Survey Research Association

**SOFTWARE**

R, Stata, SQL, Python (Basic)

**LANGUAGES**

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