

## **Dr. Sebastian Franke (PhD)**

MSc., Biomath. (FH)

Fachbereich Health Services Management - Ludwig-Maximilians-Universität München -  
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### **SPECIALISMS AND RESEARCH INTERESTS**

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Ageing and longevity, morbidity and mortality, health and actuarial demography, big data, epidemiology and health management, survival and competing risk analysis, forecasting

### **EDUCATION**

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- 10/2013 – 07/2018 PhD Environmental Sciences (Social Statistics), Department of Geography and Planning, University of Liverpool  
Thesis Advisor: Prof. Hill Kulu, Dr Mark Green (University of Liverpool) and Dr. David Lucy (University of Lancaster)  
Thesis Title: *Partnership Status, Health and Mortality: Protection or Selection?*
- 09/2011 – 07/2012 MSc Demography, European Doctoral School of Demography, Universitat Autònoma de Barcelona and Max Planck Institute for Demographic Research  
Thesis Advisor: Prof. James W. Vaupel (MPIDR)
- 07/2005 – 12/2010 Diplom (FH) Biomathematics, Hochschule Zittau/Görlitz  
Thesis Advisors: Prof. Frank Pietschmann (HSZG), Dr. Nikolaj Georgi (MPI for Mathematics in the Sciences)

### **FELLOWSHIPS**

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- 2013-2016 ESRC Economic and Social Research Council, UK  
3-year Fellowship (residency requirement waived due to merit of research)
- 2013-2016 Supplementary stipend for use of Advanced Quantitative Methods
- 2011-2012 European Doctoral School of Demography Fellowship  
Sponsored by Max Planck Institute for Demographic Research

### **RESEARCH & WORK EXPERIENCE**

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- Since 04/2017 Research Fellow in Health Services Management, Munich School of Management, Ludwig-Maximilians-Universität München
- 12/2015 - 02/2016 Allianz, München, paid internship
- 05/2009 – 10/2010 Max Planck Institute for Mathematics in the Sciences, Leipzig, paid internship  
Project title: *Simulation of charged uneven capacitor surfaces using boundary element method with the C –library “HLib”*
- 03/2008 – 05/2008 Bisantech-Nuova GmbH & Co. KG, Leipzig  
Project title: *Modeling of Heat-flow in Greenhouses for Algae*

## PUBLICATIONS

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### Peer-reviewed publications

1. Franke, S. and Kulu, H., 2018. Cause-specific mortality by partnership status: simultaneous analysis using longitudinal data from England and Wales. *J Epidemiol Community Health*, pp.jech-2017.
2. Franke, S. and Kulu, H., 2018. Mortality differences by partnership status in England and Wales: the effect of living arrangements or health selection?. *European Journal of Population*, 34(1), pp.87-118.

### In preparation

Franke, Schang, Sundmacher “*Closing the Gap in a generation?*”: *Die Entwicklung der Ungleichheit in verlorenen Lebensjahren zwischen Ost und West Deutschland zwischen 1993 und 2015*

### Evaluations & scientific reports (commissioned)

1. Gutachten zur Weiterentwicklung der Bedarfsplanung i.S.d. §§ 99 ff. SGB V zur Sicherung der vertragsärztlichen Versorgung. Expertise prepared for the Federal Joint Committee by the Consortium consisting of LudwigMaximilians-Universität München, Fachbereich Health Services Management; WIG2-Wissenschaftliches Institut für Gesundheitsökonomie und Gesundheitssystemforschung; Rheinische Friedrich-WilhelmsUniversität Bonn, GeoHealth Centre/Institut für Hygiene und Öffentliche Gesundheit; Universitätsmedizin Greifswald, Institut für Community Medicine; Max-Planck-Institut für Sozialrecht und Sozialpolitik München; 37 Grad Analyse und Beratung GmbH, Parts A-E. Preparation of Part A (Evaluation of the Status quo – access to ambulatory care and assessment of current health service planning instruments) and Part B (Estimation of population need for ambulatory care and translation into regional physician-population-ratios) by Sundmacher, L; Schang, L; Schüttig, W; Flemming, R; Frank-Tewaag, J; Geiger, I; Franke, S., forthcoming

### Non-academic papers

Franke & Walter (2016) “Studie: Verheirate leben länger.” (Allianz Magazin, <https://goo.gl/93KwFF>)

### CONFERENCES & WORKSHOPS (selected)

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\*invited participations

- 04/2018\* Berlin Demographic Forum, Participant
- 12/2016\* Franke, S. & Kulu, H. "Overall and Cause-specific Mortality differences by Partnership status in 21st Century England & Wales", Free Webinar – Using the Longitudinal Studies for research on health and health inequalities, 13. December
- 09/2016 Franke, S & Kulu H. “Cause-specific mortality by partnership status in England and Wales 2001-2011: A competing risk approach”, European Population Conference, Mainz, 3.Sept.
- 11/2015\* Franke, S. & Kulu, H. "Overall and Cause-specific Mortality differences by Partnership status in 21st Century England & Wales", UK LS Roadshow, Bristol, 8. November

- 09/2015 Franke, S. & Kulu H. "Partnership Status and Mortality in England and Wales: All cause and cause-specific mortality between 2001-2011", presentation at the BSPS Annual Conference, Leeds, 7 - 9 September
- 06/2015 \* Franke, S. & Kulu, H. "Mortality differences by partnership status in England and Wales: The effect of living arrangements or health selection?", Poster presented at the Centre for Spatial Demographics Research (CSDR) launch event, 11.June.
- 09/2014 Franke, S. & Kulu H. "Partnership Status and Mortality in England and Wales: All cause and cause-specific mortality between 2001-2011",Poster presented at the BSPS Annual Conference, Winchester, 8 - 10 September

### **ORGANIZED CONFERENCES & WORKSHOPS**

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- 02/2016 Berlin Demography-Forum, Berlin, Coordinator and Participant
- 06/2014 AQM Mini Symposium, University of Liverpool, coorganized
- 10/2013 „But What If They Exaggerate Their Age?“-Workshop, University College London, website maintenance

### **INSTITUTIONAL RESPONSIBILITIES**

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- Since 06/2017 Head of trust center, Department of Health Services Management, LMU Munich
- Since 05/2017 Departmental Representative in charge of IT, Department of Health Services Management, LMU Munich
- 03/2008 – 02/2009 Member of the examining body of the Faculty, Hochschule Zittau/ Görlitz; Duties included: evaluate student petitions for repeat examination
- 03/2007 – 02/2009 Student Representative at the Faculty Council, Hochschule Zittau/ Görlitz; Duties included: assess annual department budget jointly with faculty representatives; distribute funds according to assessment; re-evaluation of student qualifications from German Diploma to foreign equivalent; review applications of faculty hiring committee

### **TEACHING & SUPERVISION**

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Master:

Project course in cooperation with practice partners:

SSem 2017 with Schön Klinik on market entry and cost-effectiveness of geriatric wards

WSem2017/18 with Central Federal Association of Health Insurance Funds on Biosimilars

SSem 2018 with Rhön Klinikum AG on remuneration, mobility and quality management at the Campus Bad Neustadt

Bachelor:

Seminar “Health Services Management” (introduction to health care quality management, introduction to scientific methodology/ literature reviews and supervision of student assignments), in German: WSem 2018/19

Student supervision Supervision of 4 Bachelor Theses between 2017 and 2018

Teaching Assistant, Geografic Data Science by Prof. Dr. Daniel Arribas-Bel, <http://darribas.org/gds15>, University of Liverpool, English: WSem 2015/16

Peer Mentor for 1st year graduate students, University of Liverpool WSem 2015/16

### **COMPUTER AND PROGRAMMING SKILLS**

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R, STATA, Python	Advanced
C, C++, C#	Intermediate
SQL, JAGS	Intermediate
Fortran, MathLab	Intermediate
LaTex	Intermediate
Linux	Intermediate

**References available upon request**