

sebastianwarnholz

research assistant

contact

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fu://swarnholz

languages

german mother tongue
english fluency

programming

♥ R
L^AT_EX, SQL, C++

stats

EViews, Excel, R,
SPSS, Stata

education

- 2009–2012 **Master** of Science Humboldt Universität Berlin
in statistics
Thesis: An Application of Regression Techniques to Online Marketing Data
The thesis explored different modelling strategies to predict conversion rates of customer cohorts for an online retail company using online marketing data.
- 2005–2009 **Bachelor** of Science Leuphana Universität Lüneburg
in quantitative economic and social sciences

experience

as graduate

- 2012–Now **Freie Universität Berlin** Berlin, Germany
research assistant
Teaching and consultancy are my main responsibilities in this position. The Freie Universität has a statistical consultancy where I supervise the theses for bachelor, master and Ph.D. students. Furthermore I am involved in several small (1-2 persons) projects for companies as well as research institutes, e.g. ad-hoc data analysis or methodological reports.
- 2012–Now **INWT Statistics GmbH** Berlin, Germany
data scientist
INWT (in numbers we trust) is a B2B consultancy specialised in services related to statistics and business intelligence. Projects range from analysing survey data, automated reporting and predictive modelling in a variety of settings. My role in the team is that of a hacker to build the infrastructure between several databases and our main programming language, R. This enables fast iterations in the cycle of 'data science projects'.

as student

2011–2012	Freie Universität Berlin <i>student assistant</i> Alongside my master in statistics I worked in the statistical consultancy of the Freie Universität Berlin. In this position my main responsibility was consultancy for bachelor, master and doctoral students. During that time I was responsible for the support of over 70 students.	Berlin, Germany
2009–2012	DIW Berlin <i>student assistant</i> Position as a student assistant at the German Institute for Economic Research.	Berlin, Germany
2009	TNS Infratest <i>internship</i> Four month internship at a research institute for social sciences.	Munich, Germany
2008	Leuphana Universität Lüneburg <i>student assistant</i> Tutor for Statistics II at the Department of Economics.	Lüneburg, Germany

teaching

2013–2015	lecture CompStat: programming course for the R language. Students from the Master of Economics and Master in Statistics.	Department of Economics, FU Berlin
2012–2015	workshop Introduction to statistic: one day and three days introductory statistics courses. Open for students and academic staff.	fu:stat
2012–2015	workshop Introduction to panel data analysis with Stat or R: Intermediate level course focussing on methodology and either applications in Stata or R. Mostly visited by Ph.D. and master students.	fu:stat
2013–2014	lecture Statistics II: undergraduate introductory statistics course.	Department of Economics, FU Berlin
2012–2014	workshop Time series analysis with EViews: Advanced course for the analysis of cointegrated time series data. Two-day course. Open for students and academic staff.	fu:stat
2012	workshop Do not trust any statistics!: a guide to quantitative research; one day course. Open for students and academic staff.	fu:stat

publications

accepted articles

Warnholz and Schmid. “Simulation Tools for Small Area Estimation: Introducing the R-Package saeSim”. 2015.

conferences

saeSim: Simulation Tools for Small Area Estimation

Warnholz

useR! 2015, Aalborg, Denmark, 2015

Robust Fay Herriot Estimators in Small Area Estimation

Warnholz, Schmid, and Tzavidis

Small Area Estimation 2014, Poznan, Poland, 2014

Robust-Spatio-Temporal Fay-Herriot Models in Small Area Estimation

Warnholz and Schmid

Statistische Woche 2013, Berlin, Germany, 2013

software

Warnholz. *aoos: Another Object Orientation System*. R package version 0.2.0. 2015.

Warnholz and Schmid. *saeSim: Simulation Tools for Small Area Estimation*. R package version 0.7.0. 2015.

interests

professional: statistics, data analysis, blogging, web app creation, software design, learning new programming languages (Python, Scala, Haskell)

personal: billiards, cooking, reading, travelling