

sebastianwarnholz

statistician & programmer

contact

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in://swarnholz

languages

german mother tongue
english fluency

programming

♥ R
L^AT_EX, SQL, C++

stats

EViews, Excel, R,
SPSS, Stata

education

- 2012-2016 **Doctor** of Philosophy Freie Universität Berlin
in Statistics (Summa Cum Laude)
Thesis: Small Area Estimation Using Robust Extensions to Area Level Models
- 2009-2012 **Master** of Science Humboldt Universität Berlin
in Statistics
Thesis: An Application of Regression Techniques to Online Marketing Data
The Thesis explores 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 Economics and Social Sciences

experience

- 2012-Now **INWT Statistics GmbH** Berlin, Germany
data analyst
INWT is a B2B consultancy specialised in services related to predictive analytics and business intelligence. Projects range from analysing survey data, automated reporting and predictive modelling in a variety of settings.
- 2012-2016 **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 thesis 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.

teaching

- 2013-Now **lecture** Department of Economics, FU Berlin
CompStat: programming and statistics in the R programming language. Open for students from the Master in Economics, Master in Statistics and Master in Computer Science.
- 2017 **training** INWT Statistics GmbH
R Basics: introductory level, two-day course. An introduction to the R programming language and statistics. No prerequisites.
- 2017 **training** INWT Statistics GmbH
Programming with R: advanced, two-day course. Teaching advanced paradigms like functional and object oriented programming as well as package development in R. Open for experienced R users.

2012-2016	workshop	fu:stat
	Introduction to statistics: one day and three days introductory statistics courses. Open for students and academic staff.	
2012-2016	workshop	fu:stat
	Introduction to panel data analysis with Stata or R: Intermediate level course focussing on methodology and either applications in Stata or R. Mostly visited by Ph.D. and master students.	
2013-2014	lecture	Department of Economics, FU Berlin
	Statistics II: undergraduate introductory statistics course.	
2012-2014	workshop	fu:stat
	Time series analysis with EViews: Advanced course for the analysis of cointegrated time series data. Two-day course. Open for students and academic staff.	
2012	workshop	fu:stat
	Do not trust any statistics!: a guide to quantitative research; one day course. Open for students and academic staff.	

publications

research

Disseration: Small Area Estimation Using Robust Extensions to Area Level Models

Warnholz

Freie Universität Berlin (2016). 2016

Simulation Tools for Small Area Estimation: Introducing the R-Package saeSim

Warnholz and Schmid

Austrian Journal of Statistics (2016). 2016

software

templates: A System for Working with Templates

2017. R package version 0.2.0. URL: <https://CRAN.R-project.org/package=templates>

dat: Tools for Data Manipulation

2016. R package version 0.2.0. URL: <https://CRAN.R-project.org/package=dat>

saeRobust: Robust Small Area Estimation

2016. R package version 0.1.0. URL: <https://CRAN.R-project.org/package=saeRobust>

aoos: Another Object Orientation System

2015. R package version 0.2.0. URL: <https://CRAN.R-project.org/package=aoos>

modules: Self Contained Units of Source Code

2015. R package version 0.1.0. URL: <https://CRAN.R-project.org/package=modules>

saeSim: Simulation Tools for Small Area Estimation

2015. R package version 0.7.0. URL: <https://CRAN.R-project.org/package=saeSim>