sebastianwarnholz

statistician & programmer

contact

Berlin, Germany
+49 30 609857992

warnholz@inwt.de
inwt-statistics.de
in://swarnholz

languages

german mother tongue
english fluency

programming

♥ R
LaTeX, 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 to predictive modelling in a variety of settings.

2012–2016 **Freie Universität Berlin** — Berlin, Germany
research assistant
Teaching and consultancy were my main responsibilities in this position. The Freie Universität has a statistical consultancy where I supervised the theses for bachelor, master and Ph.D. students. Furthermore I was 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** — Dep. 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** Stat. Consultancy, FU Berlin
Introduction to statistics: one day and three days introductory statistics courses. Open for students and academic staff.

2012-2016 **workshop** Stat. Consultancy, FU Berlin
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** Dep. of Economics, FU Berlin
Statistics II: undergraduate introductory statistics course.

2012-2014 **workshop** Stat. Consultancy, FU Berlin
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** Stat. Consultancy, FU Berlin
Do not trust any statistics!: a guide to quantitative research; one day course. Open for students and academic staff.

publications

research

Dissertation: 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*