

TOBIAS ANTON

Currently looking for a full-time position in Data Science

After working in R package development for clinical medication research at a CRO in the service of Roche AG, I'm thrilled to look further into the field of Data Science and Research Software Engineering to further broaden as well as deepen my skills and knowledge. Even though my degrees are in Psychology and Cognitive Science, I have developed a comprehensive set of skills in data science by focusing heavily on relevant courses and projects. Doing so has equipped me with the necessary expertise to excel in tasks involving data engineering, analysis and communication. I invite you to visit my website or my github profile to get an impression of my work.



PROFESSIONAL EXPERIENCE

2024
|
2023

Statistical Programmer

Roche AG, Basel

📍 Dasta GmbH, Mannheim

- **Analysis Ready Data Development**

Author of an R Package to be used for the creation of large scale automated consolidation, transformation and analysis of large data sets of clinical trials for cancer medication.

2022
|
2019

Scientific Assistant

Cognitive Modeling Group, IKW

📍 Uni Osnabrück, Deutschland

- **Online Textbook on Scientific Data Analysis** ([link](#))

Responsible for the compilation and continuous integration of Rmarkdown, LaTeX and Javascript to PDF and HTML

- **Advanced Bayesian Data Analysis**

Conception, creation and grading of practical bi-weekly exercises in the form of Rmarkdown documents

- **Experimental Psychology Lab**

Supervision of scientific online experiments for replication by students as well as teaching of open science practices and mentoring on statistical data analysis

- **Introduction to Data Analysis**

Similar to *Quantitative Methods I & II* (see below) with stronger focus on working with R, data visualization and "tidy data" principles

2021
|
2015

Student Assistant

FB 11 - Humanwissenschaften

📍 Uni Bremen, Deutschland

- **Quantitative Methods I & II**

Independent teaching of the fundamentals of inferential and descriptive statistics, as well as detailed and advanced discussion of weekly assignments

- **Experimental Practical Course**

Supervision of student groups in finding, planning, conducting and analyzing an experimental research topic

- **Statistical Programming with R** ([link](#))

Annual block course in lecture format

- *Statistical Datenanalysis (R)* for the Bachelor of Public Health program

CONTACT INFO

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For more information, please contact me via email.

SKILLS

Highly skilled in R, Git, R-Shiny, SQL, Stan, Continuous Integration and automated reporting

Advanced experience in bayesian and frequentist statistical analysis and modeling (linear mixed effects, logistic regression, time series, ANOVA)

Passionate about data exploration, visualization and communication

Fluent in English (C1+) and native German speaker

Bremen, 06. Aug, 2024

until
2016



Stagehand

Städtische Bühnen Osnabrück (municipal theater), among others
📍 Osnabrück, Germany



EDUCATION

2022



M.Sc. in Cognitive Science

Artificial Intelligence und Cognitive Psychology
📍 Universität Osnabrück, Germany

Thesis: *On the role of rule instructions and ordering in category learning*
(Grade: 1.4)

2018



B.Sc. in Psychologie

Work- & Organisational Psychology and Neuroscience
📍 Universität Bremen, Germany

Thesis: *Feedback-modulierte quasi-realistische binäre Entscheidungen in einem wetterbasierten Kontext* (Grade: 1.0)

2014



Abitur (High School Diploma)

on the second educational path at the Abendgymnasium Sophie Scholl
📍 Osnabrück, Germany