



Dr. Timm Fulge

DATA SCIENTIST

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I am a data scientist with 10+ years experience in collecting, wrangling, analyzing, and visualizing different types of data. I have a strong background in statistical modeling and am effective at communicating results to technical and non-technical audiences alike. My favorite programming language is R, but I am always keen to expand on my tech stack. My partner and I have three kids and live close to Hannover, Germany.

Relevant Work Experience

City of Hannover

Hannover, Germany

STATISTICIAN

Oct. 2017 - Present

- Building Bayesian multilevel models to forecast student numbers for school planning
- Development of interactive apps and dashboards to communicate results and aid planning
- Maintaining and further developing relational database for data from all municipal schools
- Aiding decision-making by providing data-driven insights to policymakers and the public

University of Bremen

Bremen, Germany

RESEARCH FELLOW AND PH.D. CANDIDATE

Jan. 2013 - Sept. 2017

- Authored research papers using wide array of quantitative methods
- Taught graduate level classes on statistical methods and programming
- Graduated magna cum laude with dissertation entitled 'The Political Economy of Higher Education: Inequality, Preferences, and Policy Change'

Education

University of Bremen

Bremen, Germany

PH.D. IN POLITICAL SCIENCE (GRADUATED MAGNA CUM LAUDE)

2022

University of Bremen

Bremen, Germany

M.A. IN POLITICAL SCIENCE (GRADUATED WITH DISTINCTION)

2012

University of California

Irvine, United States

RESEARCH FELLOWSHIP

2011

Skills

Data Analysis

PARAMETRIC AND NON-PARAMETRIC STATISTICS, REGRESSION AND FORECASTING METHODS

- Bayesian generalized (non-)linear multivariate multilevel models
- Geospatial statistics
- Data Collection, Management and Storage

R

INTENSIVE KNOWLEDGE OF BOTH BASE R AND THE TIDYVERSE

- (Automatic) Reporting with RMarkdown
- Apps and Dashboards with Shiny
- Interactive maps with Leaflet
- Visualization with ggplot

Other programming languages

CSS, HTML, GIT, LATEX, MARKDOWN, STATA, SQL, YAML

Natural languages

GERMAN (NATIVE), ENGLISH (C2), FRENCH (A2)

Microsoft Office

EXCEL, OUTLOOK, ONENOTE, POWERPOINT, WORD