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