

ANNA WALSDORFF

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SKILLS

- Programming: R (tidyverse, shiny, caret), Python (pandas, numpy, pytorch), SQL, HTML, CSS
- Visualization: ggplot2, matplotlib, Tableau
- Data science: ETL, A/B testing, feature engineering, regression, classification, clustering, OOP, APIs, git

EDUCATION

Ph.D. Political Science / University of Rochester, New York expected 2023
Relevant Coursework: Probability and Regression, Linear Models, Maximum Likelihood Estimation, Mathematical Modeling, Advanced Topics in Methods (Bayesian, Machine Learning)

M.A. Political Science / University of Mannheim, Germany 2011-2013

B.A. Political Science / University of Mannheim, Germany 2008-2011

EXPERIENCE

RESEARCH ASSISTANT 2014 – Present

University of Rochester, Rochester, New York

- Wrangle large and noisy datasets from governmental and commercial sources
- Develop and maintain documentation for ongoing data collection and analysis
- Use a high-efficiency Linux cluster to analyze big financial data
- Utilize numerous statistical techniques including causal inference, event study, hypothesis testing
- Coordinate data collection efforts within a team

TEACHING ASSISTANT 2015 – 2021

University of Rochester, Rochester, New York

- Collaborated with instructors and fellow TAs to prepare lectures and recitations on data analysis and R programming for undergraduate and graduate students
- Taught weekly lab sessions for 20+ students

DATA SCIENCE FELLOW 2018 – 2019

University of Rochester, Rochester, New York

- Developed and taught week-long classes on programming to incoming Ph.D. students
- Supported professors and graduate students in debugging code
- Compiled shared documentation for the university's computing resources

PROJECTS

EARTHQUAKE VISUALIZATION

Tools: shiny, ggplot2, APIs

- Built shiny app that visualizes earthquakes around the world
- Automated daily download of updated data

WEBSITE DEVELOPMENT

Tools: HTML, CSS

- Built a fully-functional website for a local professional wrestling school