ANNA BERMAN

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OVERVIEW

Data scientist with 5+ years experience translating data into actionable insights. Driven by complex projects with tangible social impact.

SKILLS

Languages: Python, R, SQL, Java, Netlogo
Technical Skills: Machine learning, Statistical modeling, Data visualization, NLP, Spark, Data wrangling, Version control, Git, Shiny, Data architecture, Survey design
Soft Skills: Communication, Data storytelling, Client relationships, Creative thinking, Critical thinking, Project management

EXPERIENCE

CIVIS ANALYTICS   WASHINGTON, DC
Applied Data Scientist II, Nonprofit & Advocacy   June 2020 – Present
Applied Data Science Intern, Nonprofit & Advocacy   June 2019 – August 2019
- Unified large 1st- and 3rd-party datasets, engineered features, and prepared data for predictive modeling using SQL
- Contributed to NLP analysis and created interactive graphics published in *Fast Company*
- Generalized analyses with code able to be applied to future projects, saving 20+ ADS hours per engagement
- Improved R package used across 4 Civis verticals to streamline deliverable creation, saving 10+ ADS hours per week

FORRESTER RESEARCH   CAMBRIDGE, MA
Data Consultant, Custom Data Insights   February 2017 – June 2018
Senior Research Associate, Serving Chief Marketing Officers   October 2015 – February 2017
- Contributed extensive data analyses, engaging visualizations, and actionable insights to stakeholders across a diverse range of industries
- Led C-suite delivery of regression analyses to evaluate global brand health
- Created to random forest model that quantified the operational qualities that best predict organizational agility
- Exceeded revenue goals every quarter by 30-115%.

HORIZONS FOR HOMELESS CHILDREN   ROXBURY, MA
Research Assistant   September 2014 – October 2015
- Overhauled organization's relational database and metrics for evaluating program efficacy
- Increased rates of high-quality assessment data collection from 7% to 84% in 6 months
- Spearheaded and evangelized new organizational research and evaluation agenda
- Led company-wide trainings on database usage and data quality assurance

YALE UNIVERSITY   NEW HAVEN, CT
Cognition & Development Lab, Intern   June 2013 – July 2013
- Engineered geographical cluster analysis to derive the average US university campus map
- Partnered with postdoctoral fellow to research adult knowledge domains through literature review, data collection, analysis, and presentation of findings

EDUCATION & CERTIFICATES

DUKE UNIVERSITY   DURHAM, NC
MS, Interdisciplinary Data Science   May 2020
Teaching Assistant: Data to Decision
Awards/Societies: ASA Datafest 2019 Winner 'Best Use of Outside Data', Duke Datathon 2018 Semi-Finalist, American Statistical Association
Relevant Coursework: Machine Learning, Modeling and Representation of Data, Data Management Systems, Big Data Statistical Programming, Data to Decision, Natural Language Processing, Data Logic & Visualization, Data Ethics, Probability Theory, Survey Techniques, Data Science & Causal Inference

UNIVERSITY OF ROCHESTER   ROCHESTER, NY
BS, Brain and Cognitive Science *Summa Cum Laude, Highest Distinction*   May 2014
BA, Psychology *Summa Cum Laude, Highest Distinction*   May 2014
Awards/Societies: Phi Beta Kappa, Raytheon Scholar, Dean's Scholarship