Jarvis Miller

jarvmiller.github.io • github.com/jarvmiller

About Me

I'm seeking a Data Science position that requires working with user or text data to answer meaningful questions or building tools to help others handle their data. I'm passionate about enabling others to make "no-nonsense" decisions, which involves obtaining and analyzing the right data to answer to right questions in a scalable, reliable way.

Education

University of Michigan   **Ann Arbor, MI**
MA in Statistics   *August 2016 - May 2018*

- Rackham Merit Fellow
- Related Coursework: Categorical Data Analysis, Natural Language Processing, Data Analysis in Python.

Rice University   **Houston, TX**
B.A in Statistics   *August 2012 - May 2016*

- Mellon Mays Undergraduate Fellow

Work Experience

BuzzFeed   **New York, NY**
Data Science Intern   *June 2018 - Present*

- Used Matrix Factorization with Implicit Feedback to build a recommendation System which increased mean AUC by .15
- Created anomaly detection slackbots monitoring recent Tasty recipe performance for product team

Google Summer of Code   **Remote**
Developer   *June 2017 - August 2017*

- Contributed to StatsModels by implementing survey methods. Prior support was nonexistent
- Code consisted of core survey methodology, including ways to calculate standard errors not present in Stata, SAS, or R.

Harvard School of Public Health   **Boston, MA**
Researcher   *June 2016 - July 2016*

- Built an ensemble model to predict diabeties using available data under Dr. Sherri Rose, achieving accuracy of .96.
- Took courses in Biostatistics and Epidemiology.

Mellon Mays Undergraduate Fellowship   **Houston, TX**
Researcher   *June 2015 - April 2016*

- Used Logistic regression to classify high school graduates as college attenders or not.
- Cleaned and condensed the data from 3000+ variables to under 100. Used imputation methods to fill in missing data.
- Created report for Houston independent school district detailing results and survey methods to improve data collection.

Houston Action Research Team   **Houston, TX**
Researcher   *February 2015 - July 2015*

- Conducted statistical analysis for SafeClear's operations and their impact on freeway collisions and roadway congestion.
- Delivered written and oral presentation to Houston government representatives and police department upon completion.

Technical Skills

Comfortable with: Python (PostgreSQL, model building), R (data cleaning, visualization, reports)
Experience with: PySpark, TensorFlow, Shiny apps
Want to learn: D3.js, Flask