Felicia Zhang

ffyyyzzz.github.io
yz6@princeton.edu

EXPERIENCE

Data Science Intern   June 2019 – August 2019
Parachute Health
- Build predictive models on large-scale datasets to speed up medical form completion and enhance user experience
- Collaborate with engineers and product team to improve existing products based on data
- Identify business questions that can be answered using data
- Communicate rationale and findings to facilitate company decision making

Data Scientist   June 2018 – June 2019
Mindprint Learning
- Implement supervised learning models to establish the relationship between company's product and standardized test scores
- Design intuitive visualizations of predictive modelling results for business presentations
- Create web application to generate interactive visualizations using R Shiny

Consultant   April 2018 – October 2018
Princeton Area Community Foundation
- Cleaned and merged data from 10 years of NJ Department of Education School Performance records
- Analyzed data to identify important features that predict chronic absenteeism (i.e. students that chronically miss school) in Mercer County
- Designed report summarizing significant research findings, which will be used as baseline for a 5-year initiative in reducing chronic absenteeism

Graduate Student   September 2015 – Present
Princeton University
- Conduct original research (i.e. A/B testing) to investigate infant learning
- Implement variety of statistical procedures (e.g. correlations, t-tests, ANOVAs, types of linear regressions, resampling) to analyze data
- Collaborate with graduate students and post-docs on projects
- Present research findings at international and local conferences
- Mentor undergraduate students working in the lab

PROFICENCIES

Technical skills: R, Python, PostgreSQL, Tableau, Shiny, MATLAB, Adobe Photoshop, Apache Airflow, Redshift, Docker

Experience: Statistics, A/B testing, supervised learning models, ETL, natural language processing, data visualization, Agile methodology, eye tracking methodology, project management, mentoring

EDUCATION

Princeton University   2015 – 2020 (Expected)
Ph.D. Student in Cognitive and Developmental Psychology

University of Toronto   2010 – 2014
Honors B.Sc. with High Distinction in Psychology Research Specialist Program