Brendon Jerome Butler

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https://github.com/butlerbj

EXPERIENCE

Insight Data Science   Los Angeles, CA

Data Science Fellow   *September 2019 – Present*

- Built NBA-GameFinder, a web app that helps NBA fans pick the best game to attend based on their preferences
- Retrieved the past five years of NBA statistics using Python and stored the data in a PostgreSQL database
- Engineered dozens features to uncover the best predictors of team success
- Predicted 2019-20 NBA season results using logistic & linear regression
- Designed and deployed an interactive web app using Flask, Bootstrap, and AWS

National Science Foundation   Irvine, CA

Graduate Research Fellow   *September 2016 – Present*

- Designed and conducted online and in-person experiments investigating how humans retrieve information from memory
- Built hierarchical linear and logistic regression models in R and Python to predict how accurately humans retrieve information from memory under different task demands with less than 5% margin of error
- Published findings in peer-reviewed academic journals and presented findings at conferences
- Secured over $100,000 in research funding via grants and external fellowships

Irvine Company   Irvine, CA

Data Scientist, Intern   *June 2019 – July 2019*

- Developed time series models to forecast tenant churn using SARIMA and Prophet
- Updated production code in Alteryx to improve forecasts

University of California, Irvine   Irvine, CA

Graduate Teaching Assistant   *September 2014 – August 2016*

- Taught course curriculum in one- to three-hour classroom sessions
- Evaluated more than 500 student essays, projects, labs, tests, and other assessments

TECHNICAL SKILLS

Programming: Python, R, SQL

Machine learning techniques: Hierarchical linear and logistic regression, classification, clustering, feature engineering, dimensionality reduction

Tools and packages: Pandas, Numpy, SciPy, scikit-learn, Flask, Bootstrap, AWS

Data visualization: Tableau, matplotlib, Seaborn, ggplot2

Research skills: Experimental design, hypothesis testing, A/B testing

Other software/statistical packages: STATA, SPSS, Alteryx, LaTeX

EDUCATION

University of California, Irvine   Irvine, CA

PhD, Quantitative Psychology   *2020 (expected)*

University of California, Irvine   Irvine, CA

MA, Social Ecology   *May 2017*

University of California, Riverside   Riverside, CA

BA, Psychology   *June 2012*