Brendon Jerome Butler

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https://github.com/butlerbj

Experience

Insight Data Science
Los Angeles, CA

Data Science Fellow — *Sep. 2019 – Present*

- Built *NBA-GameFinder*, a web app that helps NBA fans pick the best game to attend based on user preferences
- Retrieved past five years of NBA statistics using Python and built a PostgreSQL database to store data
- Engineered dozens of features to predict game outcomes using linear & logistic regression
- Designed and build an interactive web app using Flask, Bootstrap, and AWS

University of California, Irvine
Irvine, CA

Graduate Research Fellow — *Sep. 2014 – 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

Associate Data Scientist — *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 — *Sep. 2015 – May 2017*

- 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, Psychological Science — *December 2019 (expected)*

- **Minor:** Quantitative Methods
- **Honors:** National Science Foundation Graduate Research Fellowship (NSF-GRFP)

University of California, Irvine
Irvine, CA

MA, Social Ecology — *May 2017*

University of California, Riverside
Riverside, CA

BA, Psychology — *June 2012*