Brendon Jerome Butler

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EXPERIENCE

Graduate Research Fellow — Sep. 2014 –
University of California, Irvine — *Irvine, CA*

- Designed and conducted 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 $< 5\%$ margin of error
- Published findings in peer-reviewed academic journals and presented findings at conferences

Teaching Assistant — 2015 – 2017
University of California, Irvine — *Irvine, CA*

- Taught course curriculum in one- to three-hour classroom sessions
- Led class discussions and answered student questions
- Evaluated 500+ student essays, projects, labs, tests, and other assessments
- Maintained records on progress and grades for 300+ students

EDUCATION

PhD, Psychological Science — Expected Winter 2019
University of California, Irvine — *Irvine, CA*

- **Specialization**: Quantitative Methods
- **Dissertation**: Retrieval-Enhanced Suggestibility: A Theoretical and Meta-Analytic Review
- Awarded National Science Foundation Graduate Research Fellowship (NSF-GRFP; $138,000 in total funding)
- **Relevant Coursework**: Linear & Logistic Regression; Multilevel Modeling; Econometrics; Structural Equation Modeling; Bayesian Cognitive Modeling; Machine Learning; Longitudinal Data Analysis; Data Science

MA, Social Ecology — 2017
University of California, Irvine — *Irvine, CA*

- **Thesis**: Failure to Detect Discrepancies Drives Retrieval-Enhanced Suggestibility

BA, Psychology — 2012
University of California, Riverside — *Riverside, CA*

PROJECTS & PUBLICATIONS

- **Discrepancy detection in the retrieval-enhanced suggestibility paradigm**: *Publication*
  - Designed and conducted laboratory experiments to assess memory retrieval
  - Built linear and logistic hierarchical regression models in R and Python to assess and predict memory performance
- **Predicting car prices**: *Project*
  - Used scikit-learn's k-nearest neighbor algorithm and cross-validation tools to predict a car's sale price based on its features

SKILLS

- **Languages**: Python, R, SQL
- **Modeling**: Linear and logistic regression, Bayesian analysis, machine learning, support vector machines, decision trees
- **Visualization**: Tableau, matplotlib, Seaborn, ggplot2
- **Tools**: Git, APIs, Web Scraping, Spark
- **Research**: Experimental Design, Hypothesis testing, A/B Testing
- **Other Software & Technologies**: STATA, SPSS, Microsoft Office, Latex, Google Cloud Platform