DESHAWN SAMBRANO, PH.D.

✆ (917) 969-0697 · ⌖ Los Angeles, CA · ✉ DSambrano.phd@gmail.com · 🔗 DSambrano.com · ⌨ [DSambrano](https://github.com/DSambrano)

SKILLS AND COMPETENCIES

Programming Languages/**Technologies**: Python, R, SQL, Linux, JS, AWS, Git, Docker, DataBricks
Packages: Pandas, Numpy, Scipy, PyTorch, Tensorflow, scikit-learn, lmer4, stats-models, PySpark
Analytic Skills: Machine Learning, Statistical Inference (e.g., power analysis, significance testing, t-test, ANOVA), General Statistics (e.g., regression, classification, clustering, Bayesian Statistics, Time Series Analysis, Data Visualization, Computational Modeling, Computer Science

SELECT DATA SCIENCE EXPERIENCE

Activision Blizzard and California Institute of Technology
Pasadena, CA
Data Science Consultant: Call of Duty Franchise
Aug 2022 - present
- Developed a robust time series, auto encoder, ML model to effectively detect player data anomalies
- Presented actionable insights to stakeholders including Activision CTO, resulting in changing research focus to increase prosocial behaviors
- Designed 4 on-going innovative A/B tests, released in production world wide to millions of users, strategically focusing on enhancing UX to drive player engagement and satisfaction
- Collaborated with cross functional teams to develop NLP models to evaluate user experience

Harvard University
Cambridge, MA
Research Data Scientist
Aug 2017 - May 2023
- Managed the strategic planning and execution of a quantitative research program with multiple stakeholders, yielding on-time results (7 publications, 35 data presentations)
- Translated findings and goals into stakeholder value securing 5 research grants and fellowships
- Designed and developed 20 interactive apps in Python and JavaScript to collect user data
- Built a big data pipeline to collect and analyze over 15GB of data on risky decisions in real time resulting in a 400% increase in data processing and modeling speed
- Forecasted financial decisions using custom ML models from user sentiment and interaction data & showed across several publications how to influence users' financial decisions with emotion
- Communicated findings to large audiences (150+) with and without technical backgrounds
- Created 9 standard operating procedures including best practices for GitHub and Research Design

Stanford University
Stanford, CA
Research Data Scientist
March 2016 - July 2017
- Utilized AWS API's to collect and retrieve data and pay participants through Amazon's mTurk
- Developed an online experiment on AWS to test the effects of motivation on perceptual judgments
- Ran statistical analyses in R including a Multilevel Linear Modeling to characterize human choices

LEADERSHIP EXPERIENCE

- Supervised and mentored 17 professionals to analyze data, and disseminate their findings
- Taught 7 courses in Computer Science and Data Science/Machine Learning (318 students)
- Served as the Statistician Lead for C-REAL, an organization dedicated to increasing educational access to low income and underrepresented minorities: diagnosed and resolved data analysis and write-up issues officewide; presented data driven insights to stakeholders; led statistics workshops

SELECT ADDITIONAL PROJECTS

- Developed custom websites with responsive front-end and integrated back-end, leveraging custom APIs and MySQL for efficient data processing and analyses

EDUCATION

Harvard University
2023
PhD in Neuroeconomics: Specialty in Statistical Modeling and Decision Making