ESTEBAN ESCOBAR

(626) 315-7867 ◇ estebanescobar7@gmail.com ◇ Website

Education

University of California Irvine Sep 2021 - Jun 2023
Master's Degree in Statistics - 3.60 GPA

California State Polytechnic University, Pomona Aug 2019 - May 2021
Master's Degree in Applied Mathematics - 3.96 GPA

California State Polytechnic University, Pomona Sep 2017 - May 2019
Bachelor's of Science in Applied Mathematics - 3.74 GPA,

Work Experience

Graduate Student Researcher Jun 2022 - May 2023
Statistics Department, UC Irvine

- Led statistical analysis on multiple research projects aimed at identifying the relationship between race-ethnicity and neuropsychiatric symptoms among patients with Alzheimer's disease, leveraging expertise in data analysis and interpretation to uncover meaningful insights and drive evidence-based decision-making.
- Delivered statistical consulting services to clients, leveraging advanced analytical and statistical skills to analyze complex data sets, develop models, and interpret results.
- Efficiently managed and manipulated complex databases to ensure accurate data storage and facilitate data analysis.
- Developed and implemented innovative data visualization techniques to effectively communicate complex statistical concepts and results to diverse audiences, enhancing overall comprehension and engagement.
- Communicated project findings to non-statistical individuals through clear, concise presentations and reports.

Teaching Assistant Sep 2021 - Jun 2023
Statistics Department, UC Irvine

- Facilitated engaging and informative discussions on statistical concepts for first-generation college students in various levels of statistics courses, designed and executed weekly discussion plans utilizing interactive techniques to enhance comprehension and retention, and provided constructive feedback by grading exams and group work assignments in a timely manner.

Graduate Teaching Associate Aug 2019 - May 2021
Mathematics & Statistics Department, Cal Poly Pomona

- Instructed and mentored first-generation college students in mathematical and statistical courses, designed dynamic weekly lesson plans featuring interactive group activities and traditional lecture-style teaching, and offered constructive feedback and evaluation of student progress through grading various assignments.

Data Scientist Jun 2018 - Jul 2018
Mathematical Science Research Institute, Berkeley, CA

- Collaborated closely with a cross-functional research team to design and develop a novel model for accurately detecting Atrial Fibrillation via electrocardiograms (ECGs), leveraging advanced topological features to improve classification accuracy of single lead ECGs.

Publication and Abstract

V. V. Nguyen, E. G. Escobar, D. L. Gillen, and D. L. Sultzer, Neuropsychiatric symptoms and alzheimers disease risk differences across racial and ethnic groups, in Alzheimers Association International Conference, 2023.

P. S. Ignacio, C. Dunstan, E. Escobar, L. Trujillo, and D. Uminsky, Classification of single-lead electrocardiograms: TDA informed machine learning, in 2019 18th IEEE International Conference On Machine Learning And Applications (ICMLA), pp. 12411246, Dec 2019.

Technical Strengths

R, Github, Python, MATLAB, LaTeX,