

Nicholas Feng Schaefer

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Education

California Polytechnic State University, San Luis Obispo

M.S. Quantitative Economics

Expected: June 2024

Current GPA: 4.0

California State University, Monterey Bay

B.S. Business Administration | Information Systems

May 2023

Honors: Magna Cum Laude | GPA: 3.857

Quantitative Project Experience

The World Bank

January 2024 – Present

Graduate Consultant

- **Tested the efficacy** of a novel financing scheme for electric boda bodas in Kenya on female participation and driver welfare.
- **Analyzed DHS datasets** of over 10,000 records to understand women's education and employment in Kenya, identifying key sectors employing women.
- **Performed statistical analyses**, including covariate and p-score matching, OLS, and quantile regressions, to assess the impact of financial interventions for women.
- **Authored the methodology section** of a research paper, detailing analyses and findings, and created a comprehensive readme file for reproducibility.
- **Prepared final deliverables**, including a research paper, readme file, and a recorded presentation for World Bank correspondents, contributing 5-10 hours weekly, primarily using R.

MLB All-Star Prediction (https://github.com/Nicholas1209/Baseball_All_Star_Team_Prediction.git)

August 2023 – December 2023

Technology: R & Quarto | Team Size: 2

- **Developed a predictive model** for MLB All-Star Team selection based on players' previous season performance, utilizing Kaggle datasets and statistical learning techniques. Provided valuable insights for team management and Fantasy Baseball enthusiasts, while emphasizing ethical considerations in handling predictions that may influence player career trajectories.

Work Experience

California Polytechnic State University, San Luis Obispo

November 2023 – Present

Research Assistant

San Luis Obispo, CA

- **Conducted a thorough literature review**, formed a summary, and addressed questions the Professor had with regard to the content.
- Played a pivotal role in proofreading and editing a 25-page paper, ensuring adherence to academic standards.
- **Applied coding skills** to perform data cleaning, merging, and executed multiple double machine learning models for a research project.

Miss Lippe's Dumpling Party - Capstone Project (<https://shorturl.at/luw09>)

February 2023 – May 2023

Business Consultant

Monterey, CA

- Collaborated with a local company as a business consultant for a capstone project, actively engaging with the owner in weekly meetings to gather insights and align research efforts with the company's goals and objectives.
- **Conducted in-depth analysis** of the company's internal strengths and weaknesses, as well as external opportunities and threats, resulting in a well-informed and data-driven strategic plan.
- **Developed a small-scale Enterprise Resource System (ERP)** using Google Sheets to establish a robust data infrastructure and streamline data entry and governance processes, enhancing data accuracy and efficiency.
- **Delivered presentation** in front of a diverse audience, including the business owner and faculty members of the College of Business, showcasing strong communication and presentation skills. Concluded presentation by addressing questions and concerns of the audience.

California State University, Monterey Bay - College of Business

June 2022 – May 2023

Office Assistant

Seaside, CA

- Helped with administrative support by managing incoming emails and calls.
- Completed clerical tasks such as filing, printing, copying, and distributing mail.
- Streamlined administrative processes by automating the inventory reorder system.
- Greeted incoming office visitors, answered questions, and directed individuals to office locations.
- Kept classrooms clean, neat, and properly sanitized for student health and classroom efficiency.

Skills and Certifications

Programming

Python, R, Bash, Git, VBA, SAS

Web & Query Languages

SQL, HTML, CSS

Tools

MS Excel, Tableau, SAP S/4 HANA, Adobe Dreamweaver, JMP

Hard Skills

Probability Theory, Hypothesis Testing, Causal Inference, Machine Learning

Languages

English, German (Native), and Mandarin (Native)

Certifications

Tableau Desktop Specialist Certification, Google Advanced Data Analytics Professional Certificate