

# Nicholas Feng Schaefer

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## Education

### California Polytechnic State University, San Luis Obispo

M.S. Quantitative Economics

June 2024

GPA: 4.0

- **Emphasis:** Econometrics, Statistics, and Causal Inference
- **Relevant Coursework:** Microeconomic Theory, Advanced Econometrics I & II, Mathematical Statistics, Evidence-Based Decision Analysis, Machine Learning for Prediction and Causal Inference, Statistical Learning with R

### California State University, Monterey Bay

B.S. Business Administration | Information Systems

May 2023

Honors: Magna Cum Laude | GPA: 3.857

- **Emphasis:** Business Analytics
- **Relevant Coursework:** Financial Accounting, Managerial Accounting, Finance, Information Systems for Decision Making, Business Analytics, Advanced Business Analytics and Visualization, Marketing Research

## Quantitative Project Experience

### The World Bank

Graduate Consultant

January 2024 – June 2024

Remote

Technology: R, RMarkdown & LaTeX | Team Size: 3

- **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 program's impact on participants' disposable income.
- **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](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.

### Miss Lippe's Dumpling Party - Capstone Project (<https://shorturl.at/6LRti>)

February 2023 – May 2023

Business Consultant

Monterey, CA

Technology: Google Sheets & Slides | Team Size: 5

- 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.

## Work Experience

### California Polytechnic State University, San Luis Obispo

Research Assistant

November 2023 – January 2024

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.

### California State University, Monterey Bay - College of Business

Office Assistant

June 2022 – May 2023

Seaside, CA

- Helped with administrative support by managing incoming emails, calls, and office visitors.
- Completed clerical tasks such as filing, printing, copying, and distributing mail.
- Streamlined administrative processes by automating the inventory reorder system.

## Skills and Certifications

Programming  
Web & Query Languages  
Tools  
Hard Skills  
Languages  
Certifications

Python, R, Bash, Git, VBA, SAS  
SQL, HTML, CSS  
MS Excel, Tableau, SAP S/4 HANA, Adobe Dreamweaver, JMP  
Statistical Analysis, Machine Learning, Econometrics, Causal Inference, Data Visualization  
English, German (Native), and Mandarin (Native)  
Tableau Desktop Specialist Certification, Google Advanced Data Analytics Professional Certificate