

# Parker Kenneth Morrow

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(951) 285-0596 | parkermorrow19@gmail.com | [Personal Website](#)

## Professional Summary

Economist trained in applied econometrics, forecasting, and health-policy analysis, skilled in Python and R for statistical modeling, machine learning, and data visualization. Contribute to regional economic forecasts and perform advanced causal inference and data analysis.

## Education

### M.A. in Quantitative Economics, Data Analytics and Machine Learning Concentration

*California State University, Fullerton*

*Expected December 2025*

- Master's Thesis - The Impact of Medicaid Expansion on Tobacco Use: A Staggered Difference-in-Difference Analysis

### B.A. in Economics, Magna Cum Laude | Dean's List | Departmental Honors

*California State University, San Bernardino*

*August 2020 – May 2024*

## Professional Experience

### Graduate Assistant – Woods Center for Economic Analysis and Forecasting

*Department of Economics, California State University, Fullerton*

*Fall 2024 – Present*

- Cleaned, merged, and validated large datasets, then analyzed key economic indicators (labor market, inflation, housing, GDP, consumer sentiment) using FRED data to produce accurate forecasting models and quarterly updates.
- Contributed model inputs and written analysis for the *Orange County Economic Outlook Report*, including forecasting narratives and data visualizations.

### Research Data Analyst (Population Health & Policy)

*USC Keck School of Medicine*

*Jan 2023 – Apr 2024*

- Summarized U.S. cannabis policy loopholes and drafted a formal policy statement on Delta-8 and Delta-9 THC for regulatory recommendations using Python, SQL, and R.
- Corrected 3,400+ sensitive geo-addresses and resolved major dataset inconsistencies for the ADVANCE Study to meet NIH and grant compliance standards.
- Worked with Keck faculty and research teams on population health studies, policy assessments, and data preparation.

## Technical Skills

**Programming & Data:** Python, R, STATA, SPSS, MySQL, PowerBI

**Machine Learning & NLP:** Scikit-learn, StatsModels, Hugging Face Transformers, LLM training & fine-tuning

**Data Science Libraries:** Pandas, NumPy

**Visualization:** Matplotlib, Seaborn

**Tools:** Jupyter, RStudio, GitHub, VS Code, Microsoft Office

**AI/LLM:** Large Language Models, Prompt Engineering, Small-scale LLM development

## Academic Experience

### Economics Teaching Assistant & Tutor

*CSUF Department of Economics, College of Business & Economics*

*Aug 2024 – Present*

- Delivered academic support in econometrics, statistical methods, and applied economic reasoning, improving students' quantitative and analytical skills.
- Supported a class of 100+ students through instruction, problem-solving guidance, and analytical writing development.

### USC Early Career Addiction Science Showcase

*USC Keck School of Medicine*

*April 2024*

- Presented 'Characterizing State-Level Policies of Delta-8 THC'; awarded presentation winner.

### **Substance Abuse Research Presentation - Charles R. Drew University**

*July 2023*

- Presented poster on 'The Impact of California Bill SB-793' regarding youth tobacco marketing.

## Awards & Involvement

- Michael A. Reagan Graduate Scholarship | *CSUF*
- Economics Department Chair Review Committee | *CSUSB*
- John and June Kennedy Economics Scholarship | *CSUSB*
- Student Tobacco Outreach and Prevention Scholar | *USC, CSUSB*