Parker Kenneth Morrow

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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 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
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*