Jingjing Yu

E-mail: jing1100@g.ucla.edu *Phone:* 510-561-3850

Education

University of California, Los Angeles (Los Angeles, California) * Bachelor of Statistics and Data Science (August 2024-Present)

Diablo Valley College, CA (Pleasant Hill, California) * Associate of Art, Statistics (August 2022-June 2024)

Relevant Skills

Technical Skills: Proficient in Google Workspace (Docs, Sheets), Microsoft Office Suite (Word, Excel), Tableau, R (Shiny, ggplot2)
Statistics: Probability, Distribution, Statistical Inference, Chi-Square Tests, Bootstrap, Hypothesis Testing, Bayes Theorem, Markov Chains, ANOVA
Machine Learning: Linear Regression, Logistic Regression, Random Forest, Boosting, Clustering, Optimization, Model Evaluation, Time Series

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Academic Projects

Quant Signal (Los Angeles, CA)

Market Analysis Intern | Jun 2025 - Aug 2025

Used R for data cleaning, transformation, and visualization, applying statistical methods such as correlation analysis, anomaly detection, and time-series summarization to extract insights from AI-generated financial reports.

Authored daily market updates for 2,500+ users by synthesizing R visualizations with real-time financial news, highlighting emerging patterns and potential market movements.

Monitored live data dashboards, implemented threshold-based and statistical anomaly detection, and issued timely alerts that helped the community respond quickly to unusual market activity.

Project of Fires from Space: Australia | June 2025- Aug 2025

Collected and cleaned $\sim$ $45,000$ NASA FIRMS VIIRS/MODIS fire detections; standardized coordinates/timestamps and removed $\sim 12\%$ low-confidence pixels.

Built daily fire-count time-series and regional bar charts revealing two major activity peaks (Aug 17-20 and Sep 12-15) with $> 3,000$ detections per day.

Generated kernel-density heat maps showing highest concentration in eastern New South Wales and northern Queensland; quantified hotspots with **Getis-Ord** G_i^* statistics.

Integrated results into an interactive CARTO map and 10-second animated timeline highlighting temporal surges and spatial clusters across Australia.

DataFest 2025 (Commercial Site Selection Analysis) | Feb 2025-March 2025

Cleaned and processed 10,000+ leasing records in R, applied time-series smoothing to track trends, revealing a steady increase in Class A leases during the pandemic.

Analyzed spatial patterns and correlations between CBD and suburban markets; found suburban leasing peaked at $\sim 60\%$ in 2020-2021 and returned to $\sim 50/50$ by 2024.

Ranked submarkets using **regression and scoring metrics**, producing actionable recommendations for hybrid-location strategies and Class O asset repositioning.
