

Yuyao Huang

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Education

University of California, Los Angeles, B.S. Statistics and Data Science 2026

Skills

Programming & Data: R, Python, Java, C++, SQL, Git

Statistical & Analytical: Hypothesis Testing, ANOVA, Bootstrap, Bayesian Methods, Markov Chains

Machine Learning & Modeling: Linear/Logistic Regression, Tree-based Models, Gradient Boosting, Clustering, Optimization, Cross-Validation, Performance Metrics (AUC, MSE, Accuracy), Time Series Analysis & Forecasting

Productivity: Excel (advanced functions, pivot tables), PowerPoint, GeoPandas, Tableau, matplotlib

Language: Chinese (Native), English (Advanced)

Internship

GF Securities Co. June 2025-Sep 2025

- Produced 3 investment evaluation reports that supported portfolio recommendations; modeled equity reduction strategies for 2 listed firms under regulatory/tax constraints to optimize post-sale returns.
- Partnered with clients on allocation/risk; delivered actionable asset-mix plans.

ZJU Joint Innovation Investment June 2024-Sep 2024

- Built structured datasets from industry reports and financial statements.
- Applied regression and comparable-company analysis in Python to generate reports for private equity and venture capital investment evaluations.
- Gained hands-on exposure to private equity and venture capital processes, including due diligence, valuation modeling, and investment drafting.

Apply AI Sep 2023-Dec 2023

- Designed and administered a survey to ≈320 high school respondents
- Cleaned data and ran regression and k-means clustering to identify 4 customer segments and price-sensitivity patterns.
- Delivered a recommendations report prioritizing features and pricing tiers, informing product roadmap discussions.

Shanghai Fuli Technology Co. (Magnet Finance) Aug 2022-Sep 2022

- Conducted market research and loan promotion analysis
- Built customer segments via statistical classification, informing targeted outreach and marketing optimization

ACADEMIC PROJECTS

FIRES FROM SPACE: AUSTRALIA (GEOSPATIAL MODELING & DASHBOARDS)

CLASS RANK: TOP 1%

- Collaborated with a 4 member team to analyze 240+ days of satellite and climate data; spatiotemporal analysis surfaced escalation patterns during the 2019-20 “Black Summer.”
- Built geospatial models and interactive dashboards (Python, Tableau) linking fire intensity, air quality, and land use, informing climate-risk and preparedness discussions.

STUDENT HABITS AND ACADEMIC SUCCESS: A BEHAVIORAL ANALYSIS (PREDICTIVE MODELING) CLASS RANK: TOP 1%

- Modeled a dataset of 1000 students; stepwise multiple regression achieved $\text{Adj. } R^2 \approx 0.90$, quantifying drivers of academic performance.
- Visualized key positives (sleep, mental health, attendance, etc.) and negatives (social media, Netflix, etc.), delivering a decision-ready report.

SLEEP HEALTH & LIFESTYLE ANALYSIS (REGRESSION & DIAGNOSTICS)

CLASS RANK: TOP 1%

- Led a 6 member team; engineered transformations to address non-linearity and heteroscedasticity; linear regression reached $\text{Adj. } R^2 \approx 0.83$ in R.
- Produced diagnostics and targeted recommendations on sleep quality and activity.

DATAFEST 2025: COMMERCIAL SITE SELECTION (COMPETITIVE ANALYSIS) ENTERING THE FINAL ROUND OF SELECTION

- Led a 5 member team; cleaned post-COVID leasing data in Python; identified Class A rise, suburban spike, and CBD recovery to guide site strategy.
- Advanced to the second round, delivering a blended urban–suburban selection plan with visual evidence.