

Djovan Velasco

Los Angeles, CA

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SUMMARY

Aspiring data scientist with a B.S. in Statistics and Data Science from UCLA. Experienced in computational statistics, regression modeling, and predictive analytics using R and Python. Deeply interested in data engineering and analytics, with a drive to transform complex datasets into actionable insights and measurable impact.

EDUCATION

University of California, Los Angeles

B.S., Statistics & Data Science

Los Angeles, CA

June 2026

University of Southern California

M.S., Applied Data Science

Los Angeles, CA

Current

WORK EXPERIENCE

Desert Vintage LLC

Business Analytics Intern

Remote

February 2026 -

- Queried data with ShopifyQL then utilized Pandas to clean and prep 10,000+ raw transaction records for analysis.
- Generated time-series forecasting models using Prophet to project 2026 net sales, integrating custom regressors to measure the revenue impact of marketing campaigns and global fashion events (PFW/NYFW).
- Analyzed year-over-year data to set baseline KPI's, targeting areas for company growth that exceed industry standards.
- Developed an executive report to translate complex data models into straightforward recommendations for future growth.

PROJECTS

ASA 16th Annual Datafest @ UCLA

May 2026

- Alongside 3 group members, filtered and cleaned over 7 million rows of patient data from SVH Kansas, utilizing EDA to optimize patient journeys for patients with severe depression.
- Uncovered a critical operational gap revealing that 50.9% of severe depression patients received no follow-up care, primarily in smaller clinics and adolescent departments where outreach dropped as low as 6.4%.
- Conducted a time-series analysis using a 30-day moving average to track patient encounters, successfully connecting distinct seasonal surges in the late winter and fall to clinical research on depression seasonality.
- Identified a care anomaly where only 5% of high-risk patients utilized telehealth services despite 60% active enrollment.
- Translated data insights into an actionable, 3-part framework for hospital leadership, focusing on standardized clinic training, targeted telemedicine promotion, and seasonally scaled outreach plans.
- Placed in the top eight teams, securing a winner's award in a pool of 80 teams.

RESEARCH

UCLA Department of Statistics

Undergraduate Researcher

Los Angeles, CA

March – June 2025

- Applied time-series forecasting and local level filtering to predict outcomes and team performance in the NBA and NFL.
- Processed and restructured decade-long datasets from game-level formats into longitudinal, team level tracking data.
- Utilized custom R packages to generate smoothed offensive and defensive performance states, carefully lagging variables to eliminate look-ahead bias and ensure validity of predictive models.
- Optimized model hyperparameters via iterative loops to minimize RMSE, and validated predictive power through the analysis of t-statistics and residual outputs.

SKILLS

- Programming:** R, Python, SQL, Pandas, Seaborn, Tableau, Excel, Time Series Analysis, Data Mining, Optimization, Machine Learning
- Languages:** English, Spanish

AWARDS

ASA Datafest Judges Choice for Connecting Visualization to Deep Analysis and Understanding of Data