

# Andrew Arteaga

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## Education

### University of California, Los Angeles

Expected June 2024

*Bachelor of Science in Statistics and Data Science*

*Los Angeles, CA*

- **Relevant Coursework:** Design and Analysis of Experiment, Statistical Models and Data Mining, Text Mining, Computational Statistics with R, Data Analysis and Regression

## Experience

### UCLA Transportation

Sept 2023 – Present

*Software Engineer*

*Los Angeles, CA*

- Oversee smooth operation of the various parking lots and structures of UCLA campus and hospitals.
- Coordinate traffic management logistics during various school events, ensuring smooth flow and safety protocols are maintained.

### UCLA Center for Community College Partnerships

Sept 2022 – June 2023

*Peer Mentor*

*Los Angeles, CA*

- Oversaw a small group of 14 community college students through their transfer journey to reach their academic goal of attending a four-year university.
- Worked collaboratively with other Peer Mentors to create informative transfer workshops for over 150 students.
- Applied technical skills to analyze workshop attendance and survey data in order to determine which workshops would interest the most students and increase engagement

## Projects

### A Clinical Study on the Effects of Nicotine on Short-Term Memory

- Collaborated within a team of four students to conceptualize and execute an experiment aimed at investigating the impact of nicotine on short-term memory.
- Developed a sampling methodology to randomly gather data from a simulated island population.
- Confirmed with over 95% confidence that there was no link between short-term memory loss and nicotine use.

### Alcoholism Kaggle Competition

- Led a team of four students in a competition to develop a classification model using 70,000 observations to predict the alcoholic status of 30,000 individuals, culminating in a comprehensive presentation of our findings
- I effectively coordinated project details by assigning roles and tasks to team members, ensuring overall project success
- Sole developer of a machine learning algorithm utilizing XGBoost to predict the alcoholic status of individuals with a 73.28% accuracy rate, resulting in our team ranking within the top 10 across both lecture groups in the competition

### Data Fest 2023

- Participated in a school wide competition where students were provided with a new dataset and tasked with finding insightful information within a 48-hour time frame, then present their findings to a panel of judges.
- Tasked with doing exploratory data analysis.

## Technical Skills

**Languages:** English, Spanish

**Technical Skills:** R, Python, C++. Excel

**Concepts:** Machine Learning for Classification, Sentiment Analysis for texts, Data Visualizations