JOEY LEE

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Los Angeles, CA - 90024, USA

EDUCATION

- **University of California, Los Angeles** *Jun 24- Mar 26*
  B.S. Statistics and Data Science, Minor: Anthropology Los Angeles, CA
  - Cumulative GPA: 3.57/4.00
  - Deans Honors List - Winter '25, Spring '25

Relevant Coursework: Computational Statistics with R, Statistical Models and Data Mining, Linear Models, Mathematical Statistics, Programming with R, Design and Analysis of Experiment, Monte Carlo Methods, Computation and Optimization for Statistics

PROJECTS

- **Using Linear Regression to Predict Austin House Prices (Stats 101A)** *Jan 25 - Mar 25*
  Tools: R (Libraries: dplyr, car, stringr, tidyverse, ggplot2) [GitHub]
  - Research Questions: What factors significantly influence prices of single-family homes in Austin, TX? What model best predicts them?
  - Working in a team, built several models–including multiple linear regression, Box-Cox and inverse response plot-transformed models–to answer the research questions
  - Using R, performed data cleaning before modeling to remove inconsistencies
  - Examined diagnostic plots to assess model validity and adherence to assumptions
- **Effect of Exercise Intensity on Mood in a Simulated Island Population (Stats 101B)** *Mar 25 - May 25*
  Tools: R (Libraries: pwr), Google Sheets [GitHub]
  - Research Question: How does varying intensities of outdoor exercise affect negative self-reported mood among different age groups?
  - Working in a team, developed and executed an experimental Randomized Complete Block Design protocol to collect data on a simulated island population to answer the research question
  - Used Google Sheets to collect and tabulate data for analysis
  - Performed power analysis to ensure sample size was adequate to detect a statistically significant difference between treatment groups
  - Performed ANOVA and Tukey HSD tests to identify statistically significant differences between treatment means

SKILLS

- **Programming Languages:** SQL, Python (numPy, pandas, matplotlib), R (dplyr, tidyverse, ggplot2)
- **Web Technologies:** Microsoft Office (Word, Excel, PowerPoint), Google Docs, Google Sheets
- **Other Tools and Technologies:** Tableau
- **Mathematical & Statistical Tools:** Single and Multivariable Calculus, Linear Algebra, Maximum Likelihood Estimation

CERTIFICATIONS

- **Google Advanced Data Analytics Professional Certificate** *Jul 2023*

  Issued by Coursera. Coursework includes Python, dataset exploration, data visualization, data storytelling, regression analysis, model building, machine learning, predictive modeling

ADDITIONAL INFORMATION

Languages: English (Fluent), Chinese (Conversational Level), Japanese (Novice Level)