

Ryan Marangattu

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EDUCATION

California Polytechnic State University - San Luis Obispo

June 2026

B.S. Statistics / Minor in Mathematics

COURSEWORK

Courses: Multivariate Statistics, Linear Algebra, Linear Modeling, Graph Theory, Discrete Math, Game Theory, Calculus, Physics, Probability, Accounting, Survey Sampling & Methodology, Mathematical Statistics

SKILLS

Languages: Python, R, SAS, \LaTeX

Tools: Git/GitHub, RStudio, JMP Pro 16, SAS, Tableau, Excel

EXPERIENCE

Data Analyst | *Arch Machining, Canoga Park, California*

June 2024 - September 2024

- Sorted and analyzed large amounts of raw data for company archives, allowing easier access to more than 20 years of former projects
- Played a key role in budget management activities, assisted in budget preparation and monitoring expenses.
- Created a new sorting system for coworkers to upload project files that was intuitive to users unfamiliar with computers.

University Housing Student Lead | *Cal Poly, San Luis Obispo, California*

June 2023 – September 2023

- Assisted employees in verifying timesheets and payroll data.
- Worked with the housing department to plan and execute move-in procedures for students living on campus.
- Organized supplies needed for dorm maintenance.

Machinist, Assistant | *Arch Machining, Canoga Park, California*

June 2022 - September 2022

- Assisted other trained machinists in running Computer Numerical Control (CNC) machinery.
- Strategically determined the most efficient way to run each task in order to reduce wasted time.
- Processed, cleaned, and inspected final products to ensure adherence to specifications set by clients.

STATISTICAL PROJECTS

Survey of Cal Poly student employees' employment experiences | *JMP Pro 16*

December 2024

- Conducted a comprehensive survey to examine the various competencies students expected to develop over the course of their employment at Cal Poly, to report to the Student Affairs department.
- Cleaned the collected data using SAS and generated charts using the tidyverse package in R.
- Presented the process of collecting and conclusions of our survey to an audience of clients and others unfamiliar with statistics.

Analyzing the total sugar content of four varieties of juices | *JMP Pro 16*

May 2023

- Conducted a thorough analysis of the total reduction content of multiple juice varieties.
- Collected samples of four juice flavors of a specified brand, preparing and analyzing them according to protocols to determine the exact reduction content.
- Utilized statistical analysis in JMP Pro 16 to identify variations in reduction levels among the different juice varieties.