

# Johnathan Ly

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## PROFESSIONAL EXPERIENCE

### Statistical Consulting - Senior Project

San Luis Obispo, CA

*Student Consultant*

*March 2022 - June 2022*

- Analyzed environmental and disease incidence data on a 5 year study of 8 strawberry cultivars conducted by the Cal Poly Strawberry Center with a team of 3 other students
- Collaborated with director of Cal Poly Strawberry Center to make recommendations on environmental conditions explanatory of disease incidence in strawberries
- Led an initial consulting session on a team of 3 other students with an undergraduate student to verify provided data necessary to conduct statistical analysis on her research project with 6 WIC clinics
- Researched sociodemographic factors and bottle-feeding practices predictive of a mother's likelihood to breastfeed their child using a logistic regression model in SAS with a team of 2 other students
- Communicated findings of statistical analyses to non-technical clients through written reports and reproducible analysis files

### Cal Poly Writing and Learning Center

San Luis Obispo, CA

*Statistics Tutor*

*September 2020 - July 2021*

- Assisted 4-6 Cal Poly students per week with homework and projects for their introductory statistics courses in one-on-one scheduled tutoring sessions resulting in an improvement to students' grades
- Reviewed non-technical Cal Poly students' experimental designs and statistical analyses for their senior projects and provided guidance on improvements to be made
- Oversaw drop-in hours one-on-one and group tutoring for Cal Poly students in need of assistance with their mathematics and statistics courses

## PROJECTS

### League of Legends Esports Dashboard

- Scraped and cleaned data on 100+ professional League of Legends Esports games using Requests, BeautifulSoup, and Pandas
- Created a dashboard with a variety of data visualizations to analyze matches and teams using Plotly and Dash

More personal projects and information on: [Github](#) | [Personal Website](#)

## EDUCATION

### California Polytechnic State University - San Luis Obispo

San Luis Obispo, CA

*Bachelor of Science in Statistics*

*September 2018 - June 2022*

- GPA: 3.365
- Honors: Mu Sigma Rho National Honor Society for Statistics

## SKILLS

**Programming:** Python, R, SQL (Apache Spark, NoSQL), Machine Learning, SAS, Git/Github

**Statistics:** Probability, Experimental Design, Statistical Modeling, Time Series, Multivariate Statistics

**Data Analytics/Visualization:** Microsoft Excel, Tableau, Looker

## CERTIFICATIONS

Studying for Tensorflow Developer Certificate (Google) - ETA Completion October 2022

**Creating Business Value with Data and Looker Specialization - Google Cloud**

*August 2022*

**Data Science with Databricks for Data Analysts Specialization - Databricks**

*May 2022*

**IBM Data Science Specialization - IBM**

*April 2022*