

Lily Cook

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EDUCATION

California Polytechnic State University, San Luis Obispo *Master of Science, Statistics*

Expected June 2025

Bachelor of Science, Statistics, emphasis on Data Science

June 2024

RELEVANT EXPERIENCE

Frost Research Fellow, California Polytechnic State

June 2023- June 2024, San Luis Obispo, California

Investigate students' use of assignments in online settings
Collect data and analyze trends, including visualizations and modeling
Work in a collaborative research environment and present findings

Learning Assistant and Grader, California Polytechnic State

September 2021 - PRESENT, San Luis Obispo, California

Experience in general and advanced statistics courses
Assist 30 - 40 peers with in-class assignments in teams and individually
Grade assignments on a self-managed schedule

Mathematics Tutor, Self-Employed

January 2022 - PRESENT, Remote

Experience in elementary through college level math courses
Teach basic concepts and problem solving skills
Build confidence in students' existing math skills
Adapt material and delivery based on skill level

Purchasing Associate, Planned Parenthood of the Pacific Southwest

July 2021- September 2021, San Diego, California

Create and update purchase orders in ordering application Sage
Independently coordinate and deliver PPE to health centers
Receive shipments & keep accurate inventory counts
Manage and sort incoming deliveries and outgoing orders

OTHER EXPERIENCE

Shift Lead, Cal Poly Campus Dining

October 2021 - February 2025, San Luis Obispo, California

Build a collaborative and positive work environment
Manage front of house operations to ensure excellent customer service

RELEVANT COURSEWORK

Machine Learning
Time Series Analysis
Survey Sampling & Methodology
Multilevel Modeling
Survival Analysis
Statistical Consulting
Design of Experiments
Generalized Linear Models
Probability Theory

SKILLS

R programming language

Work with large files, emphasis on data cleaning/ analysis and readable visualizations, especially in tidyverse and ggplot2 packages

SAS programming language Data cleaning & visualization with large datasets, reading raw files, use of macros to create clean, automated code

Microsoft Excel

Creating & managing spreadsheets for data analysis. Creation of Pivot tables and visualizations

SQL database queries

Build efficient queries to explore, summarize, sort and filter data

Python language

Data cleaning and analysis, Pandas and Numpy packages

EXTRA CURRICULARS

Administrative Volunteer

Planned Parenthood

Assist with administrative duties, including work involving sensitive data