Sydney Tomsick

 Los Angeles   ✉ sydneytomsick@g.ucla.edu   📞 (510)-981-9797   in sydneytomsick   📇 Personal Website

Profile

I'm passionate about uncovering meaningful insights through data analysis and communicating them through user-centered design. With interests spanning statistics, data science, UX design, and digital humanities, I enjoy working at the intersection of quantitative analysis and creative storytelling: translating complex data into accessible, engaging experiences across digital platforms.

Education

University of California Los Angeles   Sept 2022 – Present

Major in Statistics and Data Science | Minor in Digital Humanities | 3.8 GPA

Experience

UCLA Fundraising and Advocacy Internship at the Hammer Museum   Upcoming Role

Assistant Manager at the Lawrence Hall of Science   Dec 2023 - Jan 2024

- Led retail staff in daily operations
- Analyzed daily ticket sales, membership sales, and visitor feedback

Projects

A Statistical Analysis of the Informed Placement Process (IPP) at UCLA   June 2025

- Used statistical methods (logistic and linear regression) on a dataset of 980 UCLA students to evaluate how self-assessments and demographic factors influence English placement outcomes, identifying structural inequities and the role of confidence in writing ability

The Social Soundscape: How Social Media Impacts Music Popularity   Mar 2025

- Used statistical methods (Kruskal-Wallis test, ART ANOVA, logistic regression) on 4,000+ songs to analyze whether release timing, genre, and social media engagement influence music popularity

Eaton Fire Story Map, Mapping Wildfire Impact and Historical Redlining in Altadena ⧉   Mar 2025

- Created an ArcGIS StoryMap that analyzes the disproportionate impact of the Eaton Fire on Altadena's marginalized communities, integrating wildfire damage data, redlining maps, and census demographics to reveal structural inequities and cultural loss

Website for DH 101, Exploring Female Representation in MoMA ⧉   Dec 2024

- Analyzed gender disparities among MoMA artists using a dataset of 15,000+ artworks and created Tableau visualizations to reveal representation trends over time
- Designed and developed a WordPress website to present our findings

Kaggle Competition: Predicting Obesity Status Using a Random Forest Model,   Dec 2024

- Built a random forest model to predict obesity status with 99.9% accuracy using a dataset of 42,000+ individuals and 29 genetic and lifestyle predictors

Leadership & Activities

Co-Director of Synthesis Dance Theater   Jun 2024 - Present

- Lead practices 3 times a week; oversee and coordinate the leadership team; organize performances

Data Journalist for the Daily Bruin   Sept 2023 - Present

- Use Javasrcipt and HTML to create data-based articles and Instagram posts

Skills

Languages: R, familiarity with Javascript and Python

Technologies: ArcGIS, Canva, Figma, Github, Google Sites, LaTeX, Microsoft Suite, Power BI, Tableau, WordPress