

Sydney Tomsick

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Education

BS **University of California Los Angeles**, Statistics and Data Science Sept 2022 – Present

- GPA: 3.8
- Minor in Digital Humanities

Projects

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

- Used statistical methods (Kruskal-Wallis test, Aligned Rank Transform ANOVA, logistic regression) to answer whether release month impacts song popularity, whether certain song genres are more popular on different music streaming platforms, and whether there is correlation between a song's popularity on Spotify and TikTok
- Used Latex to create a poster presenting our findings

Eaton Fire Story Map, [Mapping Wildfire Impact and Historical Redlining in Altadena](#) Mar 2025

- Created maps using ArcGIS Online to explore how redlining may affect wildfire vulnerability and how the Eaton Fire impacted the Altadena community
- Used ArcGIS StoryMaps to compile our narrative and maps

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

- Predicted obesity status and determined the most influential predictors given a training and testing dataset containing 29 predictors and the outcome variable "Obesity Status"
- Performed random forest imputation and created a random forest model with 500 trees

Website for DH 101, [Exploring Female Representation in MoMA](#) Dec 2024

- Using a dataset on artwork collected by MoMA, my team and I created a website discussing the lack of female representation in art museums
- Used WordPress to design and compile the website
- Used Tableau to create data visualizations

Leadership & Activities

Co-Director of Synthesis Dance Theater Jun 2024 - Present

Data Journalist for the Daily Bruin Sept 2023 - Present

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

Publications

Daily Bruin Article Jan 2024

[Getting Off the Ground: Exploring Startups at UCLA](#)

Skills

Languages: R, familiarity with Python and Javascript

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