Sydney Tomsick

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Education

BS **University of California Los Angeles**, Statistics and Data Science   Sept 2022 – Present
- GPA: 3.83
- Minor in Digital Humanities

Projects

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

A Clinical Study: The Effect of Caffeine and Exercise on Attention   Aug 2024
- Created a two-factorial experimental design with interactions
- Executed exploratory data analysis, an ANOVA test, and a Tukey HSD test using R

Museum Experience

Frontline Ambassador at the Hammer Museum   Oct 2024 - Feb 2025

Assistant Manager at the Lawrence Hall of Science   Dec 2023 - Jan 2024
- Assigned daily tasks to colleagues
- Promoted sales goals to colleagues
- Participated in meetings with managers about how to improve daily operations

Visitor Services and Retail Associate at the Lawrence Hall of Science   Jun - Sept 2024

Leadership & Activities

Co-Director of Synthesis Dance Theater   Jun 2024 - Present

Data Journalist for the Daily Bruin   Sept 2023 - Present
- Use Javasrcipt 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, Javascript, and HTML

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