



THANH MAI

DATA ANALYST, RESEARCHER

EDUCATION

University of California, Los Angeles, Fielding School of Public Health Sept. 2024 - Jun. 2026

Master of Data Science in Health, Biostatistics Department (GPA: 4.0)

- Honors: Master of Data Science in Health Fellowship - **\$30,000** Scholarship Award
- Capstone Project (Biostat 401) in collaboration with *Prenosis Inc.*
 - Project Title: *Advancing Precision Sepsis Care Through Biomarker-Guided Therapy*
 - Collaborated cross-functionally under a non disclosure agreement to support a precision sepsis care research initiative, using R to conduct causal inference analyses evaluating heterogeneous treatment effects on mortality outcomes across patient subgroups
 - Applied statistical and data analysis methods to identify which patient populations demonstrated greater or lesser benefit from a confidential treatment intervention, contributing to biomarker guided therapeutic decision making

University of California, Los Angeles, College of Letters and Sciences Sept. 2019 - Jun. 2022

Bachelor's Degree in Psychology, Minor in Statistics & Specialization in Computing (GPA: 3.818)

- Honors: Cum Laude, Dean's List, True Bruin RAISE Award

RELEVANT EXPERIENCE

Public Health Alliance of Southern California, Senior Data Analyst

Sept. 2022 - Present

- Led and assisted the development and production of the Healthy Places Index (HPI), performing regression analyses to identify significant social, economic, and health related factors influencing life expectancy across geographic regions to inform equitable funding
- Utilized R for data wrangling, querying, web scraping, and spatial analyses, processing 100+ datasets (including Census, CDC, and environmental data) to clean, geocode, and visualize geographic trends in health disparities
- Spearheaded a process improvement initiative, developing custom R functions that automated over 70% of workload, improving efficiency, reproducibility, and scalability of analytical workflows

MemorialCare Health Services, Data Analyst & Research Intern

Jun. 2022 - Sept. 2022

- Utilized R to perform significance testing and exploratory analyses on a dataset of 10,000+ patients to quantify the effectiveness of SilverCloud, a virtual behavioral health program
- Analyzed a dataset of 50,000+ employees in R by training a model that identifies factors that influence employee retention to inform Human Resources hiring teams

Center for Policing Equity, Data Analyst & Research Intern

Jun. 2021 - Jul. 2022

- Created annotated, reproducible code in R to clean a dataset of 3.1 million firearms licenses and analyze demographic and geographical trends on its impact on mental health
- Standardized a dataset of 3.5 million 911 calls in R to produce descriptive statistics including average call volume by neighborhood, variation in response time, etc. to research racial disparities in law enforcement

UCLA Addictions Lab, Undergraduate Research Assistant

Nov. 2020 - Jul. 2022

- Moderated survey participants through experimental questions for lab studies exploring the impact external factors (e.g., cannabis use, inflammation) on substance usage
- Interpreted and presented results of a study analyzing impulsivity in co-substance-using populations at the 2021 UCLA Psychology Undergraduate Research Conference; See presentation and poster at <https://osf.io/u75n3/>

UCLA Higher Opportunity Program for Education, Site Coordinator

Sept. 2019 - Jul. 2022

- Secured and managed a \$98k+ grant for project operations providing mental health services for low-income high school students across Los Angeles and Orange counties
- Collected survey data from marginalized communities to research effectiveness of current project strategies, develop relevant training materials, and identify areas of improvement

SKILLS

- R/R Studio
- Python
- SAS
- C++
- Java
- Microsoft Suite & GSuite

OTHER WORK

- Damici A, Mai T, Bodenreider C, et al. Utah Healthy Places Index 2.0. Public Health Alliance of Southern California and Utah Department of Health & Human Services; 2024. Technical report. <https://files.healthyplacesindex.org/UT-HPI-2-Technical-Report.zip>
- Damici A, Mai T, Dowling H, et al. Utah Tribal HPI Estimates and Analysis. Public Health Alliance of Southern California and Utah Department of Health and Human Services; 2025. https://dhhs.utah.gov/wp-content/uploads/UT_Tribal_HPI_Report_Final-2025.pdf

PORTFOLIO

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