Mason Kellerman *(he/him)*

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Education

University of California, Los Angeles Sep. 2022 – Jun. 2026 *(Anticipated)*
Bachelor of Science in ***Statistics & Data Science*** *Los Angeles, CA*
Bachelor of Arts in Psychology **3.993 GPA**
Minor in Education Studies

Skills and Coursework

- `R` and RStudio (`ggplot2`, `tidyverse`, `mlr3`)
- Multivariate Statistical Analysis
- Psychometric Measure Development/Assessment
- Quasi-Experimental Methods
- Predictive Regression Modeling Methods
- Educational Program Evaluation
- Familiarity with Bayesian Statistical Methods
- Familiarity with *LaTeX*, Quarto, Python, SQL

Experience

mHTI Project Data Prep Team Oct. 2024 – Mar. 2025
Fellowship (Short-Term) *Los Angeles, CA*

- Processed and cleaned qualitative data from multi-participant conference audio and video recordings to construct transcripts with detailed speaker identity information to enable more detailed further research analysis.
- Utilized advanced transcription software and cloud-based file sharing platforms to efficiently manage, organize, and analyze large volumes of sensitive qualitative data while maintaining data-privacy standards.
- Addressed technical challenges in audio quality and speaker overlap, developing solutions to improve transcript accuracy and completeness for downstream research applications.
- Maintained detailed documentation and records to ensure coordination of goals and workload among asynchronous teammates in remote work environment.

Team Lead May 2024 – Present
Cathy's Cookies *Orange, CA*

- Train and onboard new employees while leading shift teams, delegating tasks and coordinating workflow processes to maintain productivity and enable high-volume service during peak operational periods.
- Coordinate between management and team leads to develop and implement data-driven operational strategies to improve specific employee satisfaction and customer satisfaction performance metrics.
- Operate and maintain commercial vehicle and warehouse facilities to ensure product availability and quality in service of enhanced service delivery across teams.

Projects

Sabermetric Comparison Report | *R, LaTeX* *(In Progress)*

- Developed classification models to predict game outcomes based on varying levels of advanced sports sabermetrics in order to compare predictive ability for WNBA team game data from 2021–2025.
- Report on tradeoff between simplicity and predictive ability of more and less advanced basketball statistics, substantiating theoretical explanation with cross-validation and test data.
- Constructed new advanced metrics suite with goal of predicting future games, considering single and composite metrics.
- Designed presentation to communicate results, with emphasis on creating understanding for a lay audience.

Report on Relationship between Debt Delinquency and Socioeconomic Environment | *R, LaTeX* *(Fall 2025)*

- Investigate the relationship between adult financial health (measured by debt delinquency) and various childhood contextual factors, especially parental income percentile group, and local college education rate.
- Utilized a combination of non-parametric Kruskal-Wallis tests, parametric multiple regression-based models, and a predictive-oriented Random Forest model to assess the relationship and predictive power of childhood socioeconomic context on financial health in adulthood.
- Constructed and cleaned data set by joining multiple tables with `dplyr` and `R` code, minimizing missing data while maintaining strong data integrity for analysis. Performed exploratory analysis to inform model selection.
- Produced professional, reproducible report in LaTeX, and gave a presentation summarizing these results. Connected findings to distinct policy recommendations, ensuring clear understanding for a general audience.

References made available upon request