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.

Situation-Dependent ABS Challenge Tool | *R, Python, Quarto*   *(In Progress)*

- Created system of analytical models that assess how valuable a potential ABS challenge would be in a given MLB game in terms of run value and WPA via probability matrices , depending on specific contextual game-state factors.
- Introduced additional contextual factors, like select player and team tendencies, to optionally include in order to refine suggested decision and increase external validity of models.
- Build dashboard using Python to view updated optimal decision based on a given game situation and additional preference parameters, emphasizing speed and ease of usability for implementation in real-world environment.

References made available upon request