

# MASON KELLERMAN (he/him)

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## Education

**University of California, Los Angeles**  
*Bachelor of Science in Statistics & Data Science*  
*Bachelor of Arts in Psychology*  
*Minor in Education Studies*

Sep. 2022 – Jun. 2026 (*Anticipated*)  
Los Angeles, CA  
**3.993 GPA**

## Skills and Coursework

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

## Experience

### mHTI Project Data Prep Team

*Fellowship (Short-Term)*

Oct. 2024 – Mar. 2025  
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

*Cathy's Cookies*

May 2024 – Oct. 2025  
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, Quarto, LaTeX

December 2025 (*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

December 2025 (*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.