

## CLAIRE HAN (CHUTER)

530-488-8577 | [claire.margaret.han@gmail.com](mailto:claire.margaret.han@gmail.com) | [linkedin.com/claire-chuter/](https://www.linkedin.com/claire-chuter/) | [github.com/cmchuter](https://github.com/cmchuter)

### Summary

---

I drive impact and growth by infusing teams with data-driven insights. Experienced analyst with strong quantitative background. Successfully led multiple quantitative projects, demonstrating proficiency in devising analytic strategies and communicating results to stakeholders.

### Skills

---

**Programming Languages:** R, Python, SQL

**Data Cleaning and Statistical Packages:** R – tidyverse, lme4, MatchIt, survival; Python - numpy, pandas, scikit-learn

**Statistical Methods:** Causal inference, A/B tests, experimental design, quasi-experimental design, propensity score matching, propensity score weighting, meta-analysis, machine learning, survival analysis, simulation studies, bootstrapping, missing data analyses, multilevel modeling

**Version Control:** Git

**Project Management:** Asana, Airtable, Trello

### Work Experience

---

#### American Institutes for Research

Baltimore, MD

Quantitative Researcher

03/2023 - 04/2025

- Directed multi-year projects evaluating educational programs and policies. Broke down projects into actionable tasks. Delegated the analytic tasks and mentored junior staff to drive research effectiveness.
- Developed complex SQL queries to extract, clean and analyze large relational datasets.
- Developed predictive models using supervised learning techniques, including linear and logistic regression, generalized boosted models and Bayesian Additive Regression Trees, to forecast outcomes.
- Led quantitative impact analyses by developing analytic strategies for projects using causal inference and machine learning.
- Produced reports with intuitive visualizations of impact results for presentation to a non-technical audience. Automated report generation in R, reducing reporting time by 50%. Created dashboards presenting the results using R Shiny.

#### Analyst Institute

Baltimore, MD

Data Scientist

01/2021 – 08/2021

- Developed optimal codebase to conduct inferential analysis on data with over a hundred million rows and data with complex structures, ensuring accuracy and reducing analysis time by 40%.
- Designed the methodological and analytical strategy to conduct the inferential analysis. Solved methods related issues.

#### Johns Hopkins University

Baltimore, MD

Doctoral Researcher

08/2019 – 05/2023

- Partnered with Baltimore Education Research Consortium (BERC) to conduct professional development program evaluations.
- Developed and implemented the analytical strategy for large-scale surveys to assess early warning system effectiveness opinions among schools staff.
- Delegated analytic tasks and mentored junior staff.
- Evaluated the impact of a college preparatory program using propensity score analysis with generalized boosted modeling.
- Evaluated the impact of teacher preparation programs on teacher retention using survival analysis.
- Produced automated reports and presentations detailing the results to be presented to a non-technical audience.

### Education

---

|                                                                                  |             |
|----------------------------------------------------------------------------------|-------------|
| <b>Johns Hopkins University</b><br>PhD, Education                                | 2019 - 2023 |
| <b>University of California, Davis</b><br>MA, Education                          | 2016-2018   |
| <b>University of California, Davis</b><br>BS & BA, Human Development and Italian | 2010 - 2014 |