

## Amelia Hoover Green, Ph.D.

ameliahoovergreen@gmail.com / ameliahoovergreen.com / +1 510-219-0270 / Philadelphia, PA 19143

### Experience

2024- **Quantitative User Researcher, Meta** (contract), Menlo Park, CA.

- Execute user surveys for 4 product teams. Findings supported product decisions with  $\geq$  \$10 million impact.
- Model over-time changes in key performance indicators for multiple Social Impact products via mixed-effects general linear models, time series, tests of significance, and other techniques (SQL, R).
- Visualize and communicate product implications of statistical findings (SQL, R / ggplot2).

2009- **Independent Consultant**. Selected projects:

- 2023-: **Jews of Color Initiative**. Estimate and forecast JoC population (Bayesian multilevel regression with poststratification via R, Stan) to 2050. Expected completion November 2024.
- 2020: **Pew Charitable Trusts**. Analyzed > 50 million business records, supporting Pew [report](#) on small-to-medium business 'lifespan' in Philadelphia (SQL, R).
- 2016-21: **Children's Community School** of West Philadelphia. Conducted demographic survey; created multilayer (transit, Census, childcare) maps to aid site selection.
- 2007-15: **Human Rights Data Analysis Group**. Machine learning for entity resolution, statistical estimates, and analytical writing to support post-conflict justice processes in (e.g.) Kosovo, Liberia, El Salvador.
- 2011: UN Action Against Sexual Violence in Armed Conflict. Created searchable literature reviews and training materials on responsible use of violence data.

2022-23 **Staff Data Scientist, Code for America**, San Francisco, CA.

- Estimated impacts for multiple Safety Net Innovation Lab projects. Analysis for IL childcare assistance partnership supported broader product scope, unlocking childcare for 20,000+ additional children.
- Assisted product teams (IL, New Projects, Centralized Research) navigating complex local, state, and federal early care and education policy interactions: braided/blended funding practices; ECE as protective factor; cost and ROI of quality care; ECE as element of overall benefits packages.
- Performed explanatory and predictive modeling of SNAP renewal (~ 10 mil records; random- and mixed-effects logistic regression), prompting new focus on housing stability.
- Created dashboards and impact trackers using SQL, Hex, Metabase, R, Google Sheets, & other tools.
- Conceptualized and co-authored org-wide Impact Attribution Framework, including tooling and training.

2012-22 **Associate Professor** (2019-22), **Associate Dean** for Diversity, Equity, & Inclusion (15% time, 2020-22), **Assistant Professor** (2012-19), Drexel University, Philadelphia, PA.

- Authored 30+ peer reviewed articles & books across political science, demography, and human rights, [cited over 250 times](#). Managed all research processes from inception to publication, including funding, staffing, staff oversight.
- Designed and taught required, undergraduate quantitative methods curriculum, including hands-on instruction in R. Created and shared [teaching tools](#) included in over 100 syllabi.
- Mentored junior researchers, leading to [publications](#), [fellowships](#), and [awards](#).
- [Designed](#) and implemented DEI [programming](#); analyzed student & faculty retention and belonging; oversaw creation of interdisciplinary center, including Africana Studies cluster hire (4 tenure lines).

### Education

2011 **PhD, Yale University** Department of Political Science.

Qualifying exams: American Politics (distinction), Political Psychology, Comparative Politics. Coursework included quantitative and qualitative/ethnographic methods.

2003 **BA, Swarthmore College** Departments of Political Science & Mathematics (minor).

High Honors (oral exams: American Politics, Ancient Political Theory, Mathematical Statistics). Rhodes Scholarship semifinalist, 2003.

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**Selected Publications** 🎓 = peer-reviewed; 🌐 = public/practitioner audiences; 🌱 = teaching tool

### Research Practices

- 🎓 “Presenting Academic Research in the Interview Process and Beyond: A Conversation Between Colleagues.” In *Non-Academic Careers for Quantitative Social Scientists*, ed. Natalie Jackson. With Matt Bernius, Laurel Eckhouse, and Kerry Rodden. Springer, 2023.
- 🎓 🌱 “Successful Fieldwork for the Fieldwork-Hater.” In *Stories from the Field: A Guide to Navigating Fieldwork in Political Science*, eds. Ora Szekely and Peter Krause. Columbia University Press, 2020.
- 🌱 “Reading and Writing in College.” 2013–2021. Appears on over 100 undergraduate and graduate syllabi.
- 🌐 “Reflections: A Simple Plan.” 2017. Human Rights Data Analysis Group (HRDAG) blog. Examining learnings from 10 years of HRDAG collaborations.

### Quantitative Measurement

- 🎓 “Centering Human Subjects: The Ethics of ‘Desk Research’ on Political Violence.” *Journal of Global Security Studies*, 2020. With Dara Kay Cohen.
- 🎓 “Civilian Killings and Disappearances During Civil War in El Salvador (1980-92).” *Demographic Research* 41:27, pp. 781–814, 2019. With Patrick Ball. Editor’s Choice Award.
- 🌐 “Violence Data: What Practitioners Need to Know.” OpenDemocracy.net OpenGlobalRights project, 2016.
- 🌐 “Were 75 percent of Liberian women and girls raped? No. So why is the U.N. repeating that misleading ‘statistic?’” With Dara Cohen. *Washington Post Monkey Cage* blog, 2016. & see [BBC Radio coverage](#).
- 🌐 🌱 “MSE: The Basics,” 2013. Human Rights Data Analysis Group blog. Five-part series.

### Gender and Armed Conflict

- 🎓 *The Commander’s Dilemma: Violence and Restraint in War*. Cornell UP, 2018.
- 🎓 “Armed Group Institutions, Combatant Socialization and Violence Against Civilians: Evidence from El Salvador.” *Journal of Peace Research* 54:5, pp. 687–700, 2017.
- 🌐 “Wartime Sexual Violence: Misconceptions, Implications, and Ways Forward.” With Dara Kay Cohen and Elisabeth Wood. United States Institute of Peace Special Report, 2013. Cited 250+ times.

### Selected Grants & Awards

- 2020 Editor’s Choice Award, *Demographic Research*, for “Civilian Killings and Disappearances during Civil War in El Salvador (1980-1992).” With Patrick Ball.
- 2019 Short list, Conflict Research Society Best Book Award, *The Commander’s Dilemma* (Cornell UP, 2018).
- 2017-19 Research Mentor, Students Tackling Advanced Research (STAR), Drexel University. Multiple mentees received a total of approx. \$30k.
- 2015 Antelo Devereux Young Faculty Award for Excellence in Research, Drexel University (\$10,000 to support field research in El Salvador).
- 2008-11 Dissertation completion fellowships: Human Rights Data Analysis Group Research Fellowship (\$24,000); United States Institute of Peace Junior Fellowship (\$30,000); Whitney and Betty MacMillan Center Dissertation Research Award (\$25,000).
- 2002 Joint Program in Survey Methodology Junior Fellow, United States Census Bureau.