

Jaren R. Haber

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Education

- 2020 PhD (expected), Sociology, University of California (UC) Berkeley
- 2013 MA, Sociology, UC Berkeley
- 2010 BA (with honors), Socio-Cultural Anthropology, UC Davis

Research Interests

- Organizational sociology • sociology of education • natural language processing • school choice
- social stratification • computational methods

Publication

Haber, Jaren. 2016. Institutionalized Involvement: Teams and Stress in 1990s U.S. Steel. *Industrial Relations: A Journal of Economy and Society* 55(4):632–61.

Work in Progress

Haber, Jaren. 2019. Sorting Schools: A Computational Analysis of Charter School Identities and Stratification. Revise & resubmit at *Sociology of Education*.

- Replication data and code: <https://github.com/URAP-charter/sorting-schools-2019>
- Pre-registration with Open Science Foundation: <https://tinyurl.com/OSF-prereg-SocEd>

Haber, Jaren, and Heather A. Haveman. Toward Computational Literature Review: Refining Expert-Built Dictionaries for Automated Analysis of Academic Texts.

Haber, Jaren, Nick Camp, and Jae Yeon Kim. Digitizing Segregation: How Online Text and Images Shape Parents' Judgments of Charter School Quality and Fit.

Fellowships, Grants, and Awards

Selected participant. *Summer Institute in Computational Social Science* (SICSS). Princeton, June 2019

Post-SICSS Grant. September 27, 2019 (\$6,463)

Leo Lowenthal Fellowship. UC Berkeley, Fall 2018 (\$10,000)

Fellowship Award. *HathiTrust Research Center UnCamp*, UC Libraries, Jan. 25-26, 2018

Dissertation Completion Fellowship. UC Berkeley, 2016-2017 (\$18,000)

Outstanding Graduate Student Instructor award. UC Berkeley, 2016 (\$250)

Cota Robles Fellowship. Sociology Dept., UC Berkeley, 2010-2012 (\$50,000)

Citation of Outstanding Performance. Socio-Cultural Anthropology Dept., UC Davis, 2007 (\$1,000)

First Year Scholar and Dean's List. UC Davis, 2006-2007

President's List. California Polytechnic State University, San Luis Obispo, 2003-2006

Governor's Scholars Award. California *Standardized Testing and Reporting* program, 2002 (\$1,000)

Research Experience

Graduate Student Researcher with Heather Haveman, Sociology, UC Berkeley	May 2019-present
Graduate Student Researcher with Annette Bernhardt, Institute for Research on Labor and Employment, UC Berkeley	May-July 2014
Graduate Student Researcher with Andreea Gorbatai, Management of Organizations Program, Haas School of Business, UC Berkeley	May-Aug. 2013
Honors Research Project at UC Davis and University of Ghana, Accra	Aug.-Dec. 2007

Teaching Experience

Course Designer and Lecturer

Sociology of School Choice	Spring 2020, Fall 2017
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Graduate Student Assistant

Sociology of Education (American Cultures Engaged Scholarship)	Spring 2016, Fall 2014
Sociological Methods: Evaluation of Evidence	Spring 2018, Spring 2013
Introduction to Sociology	Spring 2015, Spring 2014, Fall 2013, Fall 2012
Politics & Social Change	Fall 2015

Workshop Leader (selected)

"Web-scraping at scale". Guest lecture for <i>Introduction to Computational Tools for Social Science</i> , graduate course, UC Berkeley	Mar. 20, 2019
"Introduction to word embedding models". Training for <i>Text Across Domains (TextXD)</i> symposium, Berkeley Institute for Data Science, UC Berkeley	Dec. 4, 2018
"Validating themes in text with word embedding models". <i>Computational Text Analysis Working Group</i> , D-Lab, UC Berkeley	Sept. 12, 2018
"Capturing a corpus of inconsistent websites" • <i>Making Text Research-Ready Symposium</i> , Social Science Matrix, UC Berkeley	Apr. 30, 2018
"Scraping the unscrapable with Python". <i>Data Science Faire</i> , Berkeley Institute for Data Science, UC Berkeley	May 2, 2017
"Introduction to a thorough, practical CTA training". <i>Computational Text Analysis Working Group</i> , D-Lab, UC Berkeley	Oct. 4, 2017

Conference Presentations (selected)

“Do charter schools sell segregation?: Pilot results from text analysis and online experiments”. <i>Charter and Private Schools Roundtable</i> , American Sociological Association (ASA) annual meeting	Aug. 12, 2019
“Inductive dictionary creation with word embedding models”. <i>TextXD</i> symposium, Berkeley Institute for Data Science, UC Berkeley	Dec. 5, 2018
“Stratification through organizational identity: Do charter schools today reinforce U.S. social inequalities?” <i>School and Classrooms Roundtable</i> , ASA annual meeting	Aug. 12, 2018
“Charter schools as big data: Early results of computational analyses”. <i>Education Research Day</i> , Graduate School of Education, UC Berkeley	Mar. 16, 2018
“Moral education and state regulation”. <i>Education Research Day</i> , Graduate School of Education, UC Berkeley	Apr. 3, 2015
“Institutionalized involvement: Teams and stress in organizational cultural contexts”. <i>Work Characteristics and Outcomes Roundtable</i> , ASA annual meeting	Aug. 17, 2014

Professional Activities and Service

Service at UC Berkeley

Project Supervisor of 40+ undergraduates. Undergraduate Research Apprentice and Data Science Discovery Programs	2017-present
Allocation Manager. Startup, Renewal, and Research Allocations, <i>Extreme Science and Engineering Discovery Environment</i> (XSEDE)	2017-present
Topic Area Support, Text Analysis. D-Lab	Spring 2019
Organizer. Job Market Practice Talks, Sociology Dept.	2014, 2016
Graduate Affiliate. Oski Lab data science initiative (https://oskilab.github.io/)	2017-present
Graduate Student Scholar. Institute for the Study of Societal Issues	2010-present
Editorial Board. <i>Berkeley Journal of Sociology</i> , Sociology Dept.	2010-2012

Conferences, Symposia, and Working Groups

Co-Organizer. <i>Summer Institute in Computational Social Science</i> , San Francisco Bay Area (BAY-SICSS)	2019-present
Co-Organizer, Data Lead, and Cloud Support. <i>Text Analysis Across Domains</i> (<i>TextXD</i>), Berkeley Institute for Data Science, UC Berkeley	2018, 2019
Co-Organizer. <i>Computational Text Analysis Working Group</i> , D-Lab, UC Berkeley	2017-present

Co-Organizer. *Making Text Research-Ready*, Social Science Matrix, UC Berkeley Apr. 30, 2018

Graduate Student Evaluator. *Sociological Research Symposium*, Sociology Dept., UC Berkeley Apr. 20, 2018

Presider. *Work Characteristics and Outcomes Roundtable*, ASA annual meeting, San Francisco Aug. 17, 2014

Teaching Certificates

Certificate of Teaching and Learning in Higher Education. UC Berkeley 2015

Waldorf Teaching Certificate. Bay Area Center for Waldorf Teacher Training 2017

Professional Associations and Memberships

American Sociological Association 2011-present

Golden Key Honor Society 2007-present

National Society of Collegiate Scholars 2004-present

Mathematics, Science, and Engineering Achievement 2003-present

Mentoring

Jin Kweon. Research apprentice, UC Berkeley, 2017. Currently doctoral student in Quantitative Life Science at McGill University

Emily Qian. Research apprentice, UC Berkeley, 2017. Currently master's student in Finance at MIT Sloan School of Management

Giovanni Román-Torres. Honors mentee in Sociology Dept., UC Berkeley, 2015-2016. Currently doctoral student in Sociology at University of Michigan

Ji Shi. Research apprentice, UC Berkeley, 2017-2019. Currently master's student in Operations Research and Information Engineering at Cornell University

Rudy Venguswamy. Research apprentice, UC Berkeley, 2019. Currently student in Master of Information and Data Science at UC Berkeley

Jiahua Zou. Research apprentice, UC Berkeley, 2017-2019. Currently master's student in Business Analytics at the College of William & Mary

Programming Skills

Python: • Pandas • gensim • NLTK • spacy • scikit-learn • BeautifulSoup • scrapy • keras • selenium • matplotlib • geopandas • hdbscan • numpy • scipy

R: • stm • tidytext • dplyr

Other: • Stata • Git • Docker • Zotero • bash • Linux/UNIX • XSEDE/Jetstream • MS Office

References

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