Jaren R. Haber

⌂ Sociology Dept., 410 Barrows Hall, Berkeley, CA 94720-1980 ☏ +1 925 548 2992
✉ jhaber@berkeley.edu 🌐 jarenhaber.com ⦿ github.com/jhaber-zz ⓘ 0000-0002-5093-8895

Education

2020   PhD (expected), Sociology, University of California at Berkeley

2013   MA, Sociology, University of California at Berkeley

2010   BA (with honors), Socio-Cultural Anthropology, University of California at 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. School Websites as Segregating Signals: Evidence from Computational Text Analysis and Online Experiments.

Fellowships, Grants, and Awards

Allocations received from *Extreme Science and Engineering Discovery Environment* (XSEDE):
• Research Allocation, Jetstream ($74,450 value), with Heather Haveman. Jan. 2019-Dec. 2019
• Renewal Allocation, Jetstream ($14,890 value). Sep. 2018-Sep.2019
• Startup Allocation, Jetstream ($8,368 value). Sep. 2017-Sep. 2018

Grant for *Summer Institute in Computational Social Science*. Princeton University, June 16-28, 2019

Leo Lowenthal Fellowship. University of California, Berkeley, Fall 2018 ($10,000)

Fellowship Award. *HathiTrust Research Center UnCamp*, University of California Libraries, Jan. 25-26, 2018

Dissertation Completion Fellowship. University of California, Berkeley, 2016-2017 ($18,000)

Outstanding Graduate Student Instructor award. University of California, Berkeley, 2016 ($250)

Certificate of Teaching and Learning in Higher Education. University of California, Berkeley, 2015

Small Research Grant. Sociology Dept., University of California, Berkeley, 2015 ($1,000)

Summer Research Grant. University of California, Berkeley, 2013, 2016 ($3,500 each)

Cota Robles Fellowship. Sociology Dept., University of California, Berkeley, 2010-2012 ($50,000)

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

First Year Scholar. University of California, Davis, 2007

Dean's List. University of California, Davis, 2006-2007

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

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

Research Experience

Graduate Student Researcher with Heather Haveman, Sociology, Haas School of Business   May 2019 – present
- Supervising and mentoring research apprentices
- Organizing and commenting on accessible code base
- Designing and implementing N-gram parsing and unsupervised text analysis

Graduate Student Researcher with Annette Bernhardt, Institute for Research on Labor and Employment   May – July 2014
- Compiled data on prevalence of contracting work from government, industry, and literature
- Organized and summarized data sources

Graduate Student Researcher with Andreea Gorbatai, Management of Organizations Program, Haas School of Business,   May – Aug. 2013
- Designed statistical models of diffusion of makerspaces
- Compiled large-scale data sources on urban spaces

Honors Research Project at University of California, Davis and University of Ghana, Accra, West Africa   Aug. – Dec. 2007
- Interviewed and observed spirit mediums in Accra area
- Analyzed vocational and religious identities across cultures

Teaching Experience

Course Designer and Lecturer

Sociology of School Choice	Spring 2020, Fall 2017

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

"Web-scraping the wild west". Flash talk for *Summer Institute in Computational Social Sciences*, Princeton	June 24, 2019
"Web-scraping at scale". Guest lecture for *Introduction to Computational Tools for Social Science*, graduate course, University of California, Berkeley	March 20, 2019
"Introduction to word embedding models". Training for *Text Across Domains* (*TextXD*) symposium, Berkeley Institute for Data Science, University of California, Berkeley	Dec. 4, 2018
"Validating themes in text with word embedding models". *Computational Text Analysis Working Group*, D-Lab, University of California, Berkeley	Sept. 12, 2018
"Capturing a corpus of inconsistent websites" • *Making Text Research-Ready Symposium*, Social Science Matrix, University of California, Berkeley	Apr. 30, 2018
"Toward a universal web-scraper". *Computational Text Analysis Working Group*, D-Lab, University of California, Berkeley	Nov. 1, 2017
"Introduction to a thorough, practical CTA training". *Computational Text Analysis Working Group*, D-Lab, University of California, Berkeley	Oct. 4, 2017

Class Teacher

"Age of Discovery" and "Renaissance History". Berkeley Rose Waldorf School, 7th grade	2017-18
"Practical arts". Berkeley Rose Waldorf School, 3rd grade	Spring 2017
Waldorf Teaching Certificate. Bay Area Center for Waldorf Teacher Training	2017

Invited Presentations

"Inductive dictionary creation with word embedding models". *TextXD* symposium, Berkeley Institute for Data Science, University of California, Berkeley   Dec. 5, 2018

"Are teams stressful?" *Middle Circle*, San Francisco   Nov. 14, 2015

Conference Presentations

"Do charter schools sell segregation?: Pilot results from text analysis and online experiments". *Charter and Private Schools* Roundtable, American Sociological Association annual meeting, New York City   Aug. 12, 2019

"Stratification through organizational identity: Do charter schools today reinforce U.S. social inequalities?" *School and Classrooms* Roundtable, American Sociological Association annual meeting, Philadelphia   Aug. 12, 2018

"Do charter schools reinforce social inequalities?: Early results of dictionary and geospatial analyses". *Education Research Day*, Graduate School of Education, University of California, Berkeley   Mar. 16, 2018

"Scraping the unscrapable with Python". *Data Science Faire*, Berkeley Institute for Data Science, University of California, Berkeley   May 2, 2017

"Moral education and state regulation". *Education Research Day*, Graduate School of Education, University of California, Berkeley   Apr. 3, 2015

"Institutionalized involvement at work: Teams and stress in organizational cultural contexts". *Work Characteristics and Outcomes* Roundtable, American Sociological Association annual meeting, San Francisco   Aug. 17, 2014

"Decoupling, distrust, and employee attitudes toward high-involvement work practices". Social Psychology working group, joint between Stanford and University of California, Berkeley   Nov. 30, 2011

Professional Activities and Service

Service at University of California, Berkeley

Project Supervisor of 30+ undergraduates. Undergraduate Research Apprentice Program and Data Science Discovery Program   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. *Berkeley Journal of Sociology*, Sociology Dept.	2010-2012

Conferences, Symposia, and Working Groups

Co-Organizer. *Summer Institute in Computational Social Science*, San Francisco Bay Area (BAY-SICSS)	2019-present
Co-Organizer, Data Lead, and Cloud Support. *Text Across Domains* (*TextXD*), Berkeley Institute for Data Science, University of California, Berkeley	2018, 2019
Co-Organizer. *Computational Text Analysis Working Group*, D-Lab, University of California, Berkeley	2017-present
Co-Organizer. *Making Text Research-Ready*, Social Science Matrix, University of California, Berkeley	Apr. 30, 2018
Graduate Student Evaluator. *Sociological Research Symposium*, Sociology Dept., University of California, Berkeley	Apr. 20, 2018

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

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

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

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

Programming Skills

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

R: • stm • tidytext • dplyr

Stata: • mixed • xtreg • mi • coefplot • crossfold

Other: • Git • Zotero • bash • Linux/UNIX • XSEDE/Atmosphere

See my code: • https://github.com/jhaber-zz • https://github.com/URAP-charter/

See my documentation: • https://tinyurl.com/cloud-VMs-crawling

Professional Development

Landmark *Forum*, San Francisco	July 27-31, 2018
Landmark *Commitment Seminar*, San Francisco	Aug.-Nov., 2018
Landmark *Advanced Course*, San Francisco	Dec. 14-18, 2018
Landmark *Self-Expression and Leadership Program*, San Francisco	Jan.-June, 2019
Search Inside Yourself Leadership Institute. Mindfulness and emotional intelligence leadership training developed by Google. Hosted at University of California, Berkeley	Apr. 27-28, 2019
Deep Dive Career Conference. Berkeley Science Network, University of California, Berkeley	Feb. 8, 2014
Pedagogy in social sciences. Seminar in Sociology Dept., University of California, Berkeley	Fall 2012
Crisis line counselor and shift supervisor. *Crisis Support Services*, Alameda County	2011-2014