Jaren R. Haber, PhD

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Education

2020   PhD, 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 • quantitative methods

Publications

Haber, Jaren. 2020. Sorting Schools: A Computational Analysis of Charter School Identities and Stratification. *Sociology of Education*. https://doi.org/10.1177/0038040720953218

- Replication data and code: https://bit.ly/sorting-schools
- Post-print (Open Science Foundation): http://bit.ly/OSF-postprint-SocEd
- Media coverage: https://bit.ly/charters-highlight, https://bit.ly/BIDS-post-2020

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, and Heather A. Haveman. Toward Computational Literature Reviews: Applying 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

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

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

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

Postdoctoral Fellow, Massive Data Institute (MDI), Georgetown University	Aug. 2020–present
Graduate Student Researcher with Heather Haveman, Sociology, UC Berkeley	May–Dec. 2019
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

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	4x Fall 2012–Spring 2015
Politics & Social Change	Fall 2015

Workshop Leader (selected)

"Natural Language Processing—Introduction in Python". MDI	Oct. 19–20, 2020
"Separating 'signal' from 'noise' in text with Structural Topic Models". *Computational Text Analysis Working Group* (CTAWG), D-Lab, UC Berkeley	Apr. 29, 2020
"Introduction to text as data". Training for *Text Across Domains* symposium (*TextXD*), Berkeley Institute for Data Science (BIDS), UC Berkeley	Dec. 3, 2019
"Publishing computational research in social sciences journals". CTAWG	Nov. 13, 2019
"Web-scraping at scale". Guest lecture for *Introduction to Computational Tools for Social Science*, graduate course, UC Berkeley	Mar. 20, 2019
"Introduction to word embedding models". Training for *TextXD*, BIDS	Dec. 4, 2018
"Validating themes in text with word embedding models". CTAWG	Sept. 12, 2018
"Capturing a corpus of inconsistent websites". *Making Text Research-Ready Symposium*, Social Science Matrix, UC Berkeley	Apr. 30, 2018
"Scraping the unscrapable with Python". *Data Science Faire*, BIDS	May 2, 2017
"Introduction to a thorough, practical CTA training". CTAWG	Oct. 4, 2017

Conference Presentations (selected; see my talks)

"A supercomputer reviews the literature: Combining supervised and unsupervised text analysis". *Computational Social Science Forum*, BIDS, UC Berkeley	Sept. 28, 2020
"Marketing drives charter school segregation". Poster/talk at *Conference on Educational Data Science*, Institute for Research in Social Sciences, Stanford U.	Sept. 18, 2020
"Sorting schools: A computational analysis of charter school identities and stratification". Roundtable, American Sociological Association (ASA) meeting	Aug. 13, 2020
"Do charter schools sell segregation?: Pilot results from text analysis and online experiments". Roundtable, ASA	Aug. 12, 2019
"Inductive dictionary creation with word embedding models". *TextXD* symposium, BIDS	Dec. 5, 2018
"Stratification through organizational identity: Do charter schools today reinforce U.S. social inequalities?" Roundtable, ASA	Aug. 12, 2018
"Charter schools as big data: Early results of computational analyses". *Education Research Day*, Graduate School of Education (GSE), UC Berkeley	Mar. 16, 2018
"Moral education and state regulation". *Education Research Day*, GSE	Apr. 3, 2015

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, *Extreme Science and Engineering Discovery Environment* (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. *Berkeley Journal of Sociology*, Sociology Dept.	2010-2012

Conferences, Symposia, and Working Groups

Co-Organizer. First *Summer Institute in Computational Social Science* in San Francisco Bay Area (BAY-SICSS). http://bit.ly/BAYSICSS-2020-results	2019-2020
Co-Organizer, Data Lead, and Cloud Support. *TextXD*, BIDS, UC Berkeley	2018, 2019
Co-Organizer. CTAWG, 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	Aug. 17, 2014

Certificates

Certificate in Educational Finance. *Edunomics*, Georgetown University	2020
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

Jun Luo. Research apprentice, UC Berkeley, 2017. Now master's student in Public Policy, UCLA

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

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

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

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

Rudy Venguswamy. Research apprentice, UC Berkeley, 2019. Now master's student in Information and Data Science at UC Berkeley

Jiahua Zou. Research apprentice, UC Berkeley, 2017-2019. Now 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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Stefan A. Riesenfeld Professor of Law and Professor of Sociology
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