

# 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 • quantitative methods

## Publications

Haber, Jaren. 2020. Sorting Schools: A Computational Analysis of Charter School Identities and Stratification. *Sociology of Education* (forthcoming).

- 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>

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

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|--|----------------|
| 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 Spring 2015, Spring 2014, Fall 2013, Fall 2012

Politics & Social Change Fall 2015

### Workshop Leader (selected)

"Introduction to text as data". Training for *Text Across Domains* symposium (*TextXD*), Berkeley Institute for Data Science UC Berkeley (BIDS) Dec. 3, 2019

"Publishing computational research in social sciences journals". *Computational Text Analysis Working Group*, D-Lab, UC Berkeley (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)

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|--|---------------|
| “Do charter schools sell segregation?: Pilot results from text analysis and online experiments”. <i>Charter and Private Schools</i> Roundtable, 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</i> Roundtable, 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</i> Roundtable, ASA annual meeting   | Aug. 17, 2014 |

## Professional Activities and Service

### Service at UC Berkeley

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|--|--------------|
| 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 ( <a href="https://oskilab.github.io/">https://oskilab.github.io/</a> )         | 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

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|---|--------------|
| 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. <i>Making Text Research-Ready</i> , Social Science Matrix, UC Berkeley              | Apr. 30, 2018 |
| Graduate Student Evaluator. <i>Sociological Research Symposium</i> , Sociology Dept., UC Berkeley | Apr. 20, 2018 |
| Presider. <i>Work Characteristics and Outcomes Roundtable</i> , ASA annual meeting, San Francisco | Aug. 17, 2014 |

### Teaching Certificates

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| 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

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| <i>American Sociological Association</i>                 | 2011-present |
| <i>Golden Key Honor Society</i>                          | 2007-present |
| <i>National Society of Collegiate Scholars</i>           | 2004-present |
| <i>Mathematics, Science, and Engineering Achievement</i> | 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

Heather A. Haveman  
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Department of Sociology and Haas School of Business  
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*Phone:* 510-642-3495  
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Calvin Morrill  
Stefan A. Riesenfeld Professor of Law and Professor of Sociology  
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