Jaren R. Haber

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Education	**University of California, Berkeley** M.A., Sociology, Spring 2013 Ph.D. student, Department of Sociology, Aug. 2010 – May 2020 (expected) **University of California, Davis** B.A. (with honors), Socio-cultural Anthropology, 2008 GPA: 3.95

Research Interests   Organizations, Education, School Choice, Computational Text Analysis, Teams

Publication

Title: "Institutionalized Involvement: Teams & Stress in 1990s US Steel"

Journal: *Industrial Relations: A Journal of Economy and Society* (October 2016)

- Constructed mixed models using large-scale worker survey data to analyze relationships between organizational culture, human resource structures, and employee outcomes
- Based on master's research at UC Berkeley, 2011-2013

Skills

- Research project management: supervised up to 12 apprentices
- Python: Computational text analysis (e.g., word embeddings, topic models), large-scale data management (e.g., pandas, SQL), web-crawling (e.g., scrapy, selenium)
- Statistical modeling in STATA (e.g., regression, multilevel modeling)
- Extensive experience writing & editing professionally and of students' research
- Organizing and people skills (experienced teacher, counselor, tutor, and coordinator)
- Foreign Language: Conversational in Spanish (Argentinean ancestry)

Academic organizing activities

- Project Manager in Undergraduate Research Assistant Program (URAP) and Data Science Discovery Program, Spr. 2017-present
- Planning Committee, TextXD (Text Across Domains) Symposium, 2019
- Organizing Committee and Data Lead, TextXD Symposium, Dec. 5, 2018
- Co-Coordinator, Computational Text Analysis Working Group (CTAWG), 2017-present
- Cloud Infrastructure Support, CTAWG and TextXD, 2018-present
- Organizing Committee, Making Text Research-Ready Symposium, Spring 2018
- Text Analysis Topic Area Support, Data-Intensive Social Science Lab (D-Lab), Sp. 2019
- Organizer, Sociology Department Job Market Practice Talks, Fall 2014 and Fall 2016
- Graduate Student Scholar, Institute for the Study of Social Issues (ISSI), 2010-present
- Graduate Affiliate, Oski Lab data science initiative (https://oskilab.github.io/)
- Graduate Student Evaluator, UC Berkeley Sociological Research Symposium, Apr. 20, 2018
- Honors Mentor, Sociology Department, 2015-2016

Awards

- XSEDE (Extreme Science and Engineering Discovery Environment) Allocation Manager and Recipient, Startup and Renewal Allocations, 2017-19; Research Allocation, 2019-present
- Grant, 2019 Summer Institute in Computational Social Science, Princeton University
- Waldorf Teaching Certificate, Bay Area Center for Waldorf Teacher Training, 2017
- Outstanding Graduate Student Instructor Award, UC Berkeley Graduate Division, Sp. 2016
- Certificate of Teaching and Learning in Higher Education, UC Berkeley GSI Teaching & Learning Center, Fall 2015
- Cota Robles Fellowship, UC Berkeley Dept. of Sociology, 2010-2013
- UC Davis Awards: "First Year Scholar" and "Citation of Outstanding Performance"
- Dean's and President's Lists: 2003-2007

Research experience	

Dissertation Research   Berkeley, CA, 2016-present
- Web-crawled and compiled longitudinal database of all U.S. charter schools open today
- Categorized school identities with supervised and unsupervised text analysis methods
- Regressed school ideology on school and community social context

Graduate Student Research Assistant   Berkeley, CA, Summer 2014
- Assisted Professor Annette Bernhardt (Institute for Research on Labor and Employment (IRLE), UC Berkeley) with project on cross-industry prevalence of contracting out work
- Collected data on industry-level contracting through NAICS descriptions, elements of U.S. Economic Census, and industry data sources

Graduate Student Research Assistant   Berkeley, CA, Summer 2013
- Assisted Professor Andreea Gorbatai (Management of Organizations (MORS) program, UC Berkeley) with project on diffusion of makerspaces
- Compared statistical models: event history analysis, spatial analysis, etc.
- Collected and cleaned data from American Community Survey (ACS) in STATA

Honors Research Project   University of Ghana, West Africa, 2007
- Title: "The Experience of Ghanaian *Akomfo*: The Person in Profession and Possession"
- Gathered in-depth interviews with spirit mediums in the greater Accra area
- Conducted ethnographic analysis of culture, spirituality, and vocation

Invited presentations

- "Web-scraping at scale"—Guest lecture for graduate course: "Introduction to Computational Tools for Social Science" (PS239T), UC Berkeley, Mar. 20, 2019
- "Inductive dictionary creation with word embedding models"—TextXD, Dec. 5, 2018
- "Validating themes in text with word embedding models: Detecting pedagogy in charter school websites"—CTAWG, Sept. 12, 2018
- "Capturing a corpus of inconsistent websites: An annotated grocery list of unconventional approaches"—Making Text Research-Ready Symposium, Apr. 30, 2018
- "Do charter schools today reinforce social inequalities?: Early results of custom dictionary and geospatial analyses"— Education Research Day, UC Berkeley Graduate School of Education, Mar. 16, 2018
- "Toward a universal web-scraper: Using Selenium and BeautifulSoup to capture the heterogeneous charter school universe"—CTAWG, Nov. 1, 2017
- "Introduction to a thorough, practical CTA training"—CTAWG, Oct. 4, 2017
- "Charter school identities and outcomes in the accountability era: Preliminary results"—CTAWG, Apr. 19, 2017
- "Are teams stressful?"— Middle Circle, San Francisco, Nov. 14, 2015
- "Studies on organizational identity in U.S. charter schools"—MAX-Soc (Mathematical, Analytical, and Experimental Sociology) working group, Sept. 10, 2015
- "Moral education and state regulation"—Education Research Day, UC Berkeley Graduate School of Education, Apr. 3, 2015

Demos & Round tables

- "Introduction to Word Embedding Models"—Tutorial for TextXD, Dec. 4, 2018
- "Stratification through organizational identity: Do charter schools today reinforce U.S. social inequalities?"—Round-table, American Sociological Association meeting, Aug. 12, 2018
- "Scraping the unscrapable: Collecting website data from inconsistent corpora in Python"—Demo, BIDS Data Science Faire, May 2, 2017
- "Institutionalized involvement at work: Teams and stress in organizational cultural contexts"—Round-table, American Sociological Association meeting, Aug. 17, 2014
- "Decoupling, distrust, and employee attitudes toward high-involvement work practices"—Round-table, Stanford-UC Berkeley joint working group in Social Psychology, Nov. 30, 2011

Courses taught (GSI = 'Graduate Student Instructor')	- Sociology of School Choice—Spring '20, Fall '17 (Course designer & lecturer) - Sociology of Education: American Cultures Engaged Scholarship—Spring '16 (GSI) - Sociological Methods: Evaluation of Evidence—Spring '13 (GSI), Spring '18 (Head GSI) - Introduction to Sociology—Fall '12, Fall '13, Spring '14, Spring '15 (GSI) - Politics & Social Change—Fall '15 (GSI) - Sociology of Education—Fall '14 (GSI)

Professional development

Computational Text Analysis (TA) trainings:
- Computational TA Working Group meetings & workshops—since Sep. '16, UC Berkeley
- Applied Natural Language Processing—Sp. '19 course, Prof. David Bamman, UC Berkeley
- Text XD: Text Across Domains Symposium, @ BIDS (Apr. '16, Nov. '17, Feb. '18, Dec. '18)
- TA for Digital Humanists and Social Scientists—Sp. '17 course, Laura Nelson, UC Berkeley
- TA Methods & Approaches—Dec. '16 workshop, D-Lab, UC Berkeley
- Introduction to TA in Python—Sep. '16 workshop, D-Lab, UC Berkeley
- Extracting Web Data in Python—Aug. '16 workshop, D-Lab, UC Berkeley
- Python Intensive—Aug. '16 workshop, D-Lab, UC Berkeley
- Programming FUNdamentals—Aug. '16 workshop, D-Lab, UC Berkeley

Teaching workshops:
- Data Science Pedagogy & Practice workshop—June '18, UC Berkeley
- Syllabus and course design—Mar. '17 , UC Berkeley
- Cyber Security Training—Oct. '16 , UC Berkeley
- Berkeley Science Network "Deep Dive" Career Conference—Feb. '14 , UC Berkeley
- How students learn—Mar. '13 , UC Berkeley
- Strategies for Grading—Mar. '13 , UC Berkeley
- Encouraging Student Participation—Jan '13 , UC Berkeley
- Peer Exchange of Statements of Teaching Philosophy (SoTP) —Feb. '13 , UC Berkeley
- Pedagogy Seminar for Soc. Sciences—Fall '12, UC Berkeley
- Developing an SoTP / Portfolio—Aug. '12 , UC Berkeley

Graduate course work (2010-13)

- Social Theory I & II—Sociology Dept., UC Berkeley
- Quantitative Methods I & II—Sociology Dept., UC Berkeley
- Economy & Society—Sociology Dept., UC Berkeley
- Research Design—Sociology Dept., UC Berkeley
- Methods—Sociology Dept., UC Berkeley
- Social Psychology—Sociology Dept., UC Berkeley
- Micro-organizational Behavior—Haas School of Business, UC Berkeley
- Organizations—Sociology Dept., UC Berkeley
- Multilevel Modeling Research Group—Graduate School of Education, UC Berkeley
- Experimental Design—Statistics Dept., UC Berkeley