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# Jae Yeon Kim

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Code: <https://github.com/jaeyk>

## Education

**University of California, Berkeley, 2014–Present**

Ph.D. Candidate in Political Science, 2017–Present

Advisors: Paul Pierson (co-chair), Taeku Lee (co-chair), Eric Schickler, and Irene Bloemraad

Dissertation: Three Essays on the Politics of Solidarity in Multiracial America

M.A. in Political Science, 2016

**Korea University, Seoul, South Korea**

B.A. in Political Science and English, *magna cum laude*, 2012

Study Abroad, National Chengchi University, Taipei, Fall 2007

Study Abroad, City University of Hong Kong, Hong Kong, Fall 2006

## Academic Positions

[Senior Data Science Fellow, Instructor, and Consultant](#), D-Lab, UC Berkeley, May 2019–Present

[Visiting Student Fellow](#), P3 Lab, SNF Agora Institute, Johns Hopkins University, September 2020–Present

[Graduate Student Researcher](#), D-Lab and Data Science Education Program, UC Berkeley, Spring 2020

## Research Interests

Computational social science, Racial and ethnic politics, Historical social science, Political behavior

## Publications

### Peer-reviewed journals

1. Kim, J. (2020). [Integrating Human and Machine Coding to Measure Political Issues in Ethnic Newspaper Articles](#). Forthcoming in the *Journal of Computational Social Science*  
Winner of the **Don T. Nakanishi Award for Distinguished Scholarship and Service in Asian Pacific American Politics**, Western Political Science Association (2020)
2. Kim, J. (2020). [How Other Minorities Gained Access: The War on Poverty and Asian American and Latino Community Organizing](#). Accepted at *Political Research Quarterly*
3. Kim, J. (2020). [Racism Is Not Enough: Minority Coalition Building in San Francisco, Seattle, and Vancouver](#). *Studies in American Political Development*, 34(2), 195–215

## Peer-reviewed conferences

\* AAAI = Association for the Advancement of Artificial Intelligence

1. Kim, J, Carlos Ortiz, Sarah Nam, Sarah Santiago, and Vivek Datta. (2020). [Intersectional Bias in Hate Speech and Abusive Language Datasets](#). *Proceedings of the Fourteenth International AAAI Conference on Web and Social Media (ICWSM), Data Challenge Workshop*

## Preprints

1. Chan, N, Jae Yeon Kim, Vivien Leung. (2020). [COVID-19 and Asian Americans: How Social Exclusion Shapes Asian American Politics](#). *SocArXiv*. September, 26. Under review at the *Perspectives on Politics*.
2. Kim, J and Andrew Thompson. (2020). [How Threats Shape the Politics of Marginalized: Evidence from a Natural Experiment and Machine Learning](#). *SocArXiv*. September 16. Under review at the *American Political Science Review*
3. Kim, J and Alan Yan. (2020). [The Two Faces of Linked Fate: How Survey Respondents Interpret Linked Fate Question](#). *SocArXiv*. September 3

## Other publications

1. Kim, J. (2020). [Why Teaching Social Scientists How To Code Like A Professional Is Important](#). *UC Berkeley D-Lab*. September 23
2. Haber, Jaren, Jae Yeon Kim, and Nick Camp. (2020). [BAY-SICSS: Bridging Computational Social Scientists and Practitioners for Social Good](#). *Berkeley Institute of Data Science*. September 15
3. Kim, J. (2020). [Five Principles to Get Undergraduates Involved in Real-world Data Science Projects](#). *SAGE Ocean*. June 24

## Work in progress

1. “How Class and Politics Shape Prejudice Against Co-ethnic Refugees: Survey Experimental Evidence from South Korea” (with Taeku Lee)
2. “Everyday Experience, Immigrant Incorporation, and Measurement Error in Asian American Identity” (with Taeku Lee)
3. “Power, History, Agency, and Linked Fate” (with Reuel Rogers)
4. “How Popularity and Gender Influence Fighting Hate Speech: Survey Experimental Evidence from YouTube” (with Jaeung Shim and Daegon Cho)
5. “Digitizing Segregation: How Online Text and Images Shape Parents’ Judgments of Charter School Quality and Fit” (with Jaren Haber and Nick Camp)
6. “Applying Computational Thinking to Political Science Research: A Practical Guide” (with Aniket Kesari)

## Software

1. [tidytweetjson](#): R package for turning Tweet JSON files into a cleaned and wrangled dataset. The package takes 4 minutes to turn 2 million tweets into a tidy dataframe.
2. [tidyethnicsnews](#): R package for turning search results from the largest database on ethnic newspapers published in the United States (“Ethnic NewsWatch”) into a cleaned and wrangled dataset. The package takes 12.34 seconds to turn 5,685 articles into a tidy dataframe.
3. [makereproducible](#): R package for making a project computationally reproducible before sharing it

## Datasets

1. [Asian American and Latino Advocacy and Community Service Organizations \(1868–2016\)](#)

## Grants and Fellowships

### External

1. **Democracy Visiting Fellowship**, Ash Center for Democratic Governance and Innovation, Kennedy School, Harvard University, August 2020–July 2021 (declined)
2. **Post-SICSS (Summer Institute in Computational Social Science) Grant**, Russell Sage Foundation (with Jaren Haber and Nick Camp), 2019: \$6,462
3. [Russell Sage Summer Institute in Computational Social Science](#), Princeton University, 2019
4. [Korea Foundation for Advanced Studies Doctoral Fellowship](#) (in tuition scholarship and stipend), 2014–2019: \$220,033
5. [California Poverty and Socioeconomic Inequality Fellows Program](#), Blum Initiative for Global and Regional Poverty Studies, 2017: \$500

### Internal

1. **Social Media Research Fellowship**, D-Lab and Social Science Matrix, UC Berkeley, Fall 2020–Spring 2021: \$7,031 (declined)
2. **Data Science Fellowship**, D-Lab, UC Berkeley, 2020
3. **American Democracy Project Fellowship**, American Politics Center, UC Berkeley, 2019–2020: \$3,000
4. **Doctoral Completion Fellowship**, Graduate Division and Department of Political Science, UC Berkeley, 2019–2020: \$28,000
5. **Department Fellowship**, Department of Political Science, UC Berkeley, 2014–2019
6. [Berkeley Empirical Legal Studies Graduate Fellowship](#), Center for the Study of Law and Society, UC Berkeley, 2017: \$1,000
7. [Edward Hildebrand Research Fellowship](#), Canadian Studies Program, UC Berkeley, 2017: \$3,500
8. **Graduate Fellowship in Korean Studies**, Institute of East Asian Studies, UC Berkeley, 2016, 2017, 2018: \$15,350
9. **Graduate Fellowship in East Asian Studies**, Institute of East Asian Studies, UC Berkeley, 2015: \$3,480
10. **Academic Excellence Scholarships**, Korea University, 2004, 2005, 2006, 2007, 2011

## Awards

1. [Don T. Nakanishi Award for Distinguished Scholarship and Service in Asian Pacific American Politics](#), Western Political Science Association, 2020, “for making a significant contribution to the understanding of Asian Pacific American politics”
2. [Outstanding Graduate Student Instructor Award](#), Graduate Division, UC Berkeley, AY 2016–2017, received by approximately 10 percent of Graduate Student Instructors at Berkeley
3. Political Behavior Field Exam, **Passage with Distinction**, Department of Political Science, UC Berkeley, 2017

## Teaching

### Graduate seminars

**Instructor,** [An Introduction to Computational Tools and Techniques for Social Science Research](#), Department of Political Science, UC Berkeley, Spring 2019, Spring 2021 (scheduled)  
[Original online textbook](#) (work in progress)

Graduate student instructor for Rachel Bernhard, [An Introduction to Computational Tools and Techniques for Social Science Research](#), Department of Political Science, UC Berkeley, Spring 2018

### Undergraduate lectures

Graduate student instructor for Professor Laura Stoker, [Introduction to Empirical Analysis and Quantitative Methods](#), Department of Political Science, UC Berkeley, Fall 2016

### Workshops

Co-instructor, [Research Workshop on Computational Tools for Digital Data Collection](#), Department of Political Science, UC Berkeley, Fall 2020

Instructor, D-Lab, UC Berkeley, Summer 2020–Present

[Machine Learning with Tidymodels](#)

[Fairness and Bias in Machine Learning](#)

[SQL for R Users](#)

[R Package Development](#)

[Functional Programming in R](#)

[Advanced Data Wrangling in R](#)

[Reproducible Project Management in R](#)

Co-instructor, Data Science Discovery Team Lead Seminar, Division of Computing, Data Science, and Society, UC Berkeley, Spring 2020

## Mentoring

Project lead, [Data Science Discovery Program](#), UC Berkeley, Fall 2019–Spring 2020

Project lead, Undergraduate Research Apprentice Program, UC Berkeley, Fall 2018

## Selected Presentations

\*=Invited talks

2020 APSA, Joint Political Computational Social Science and Political Network Conference, International AAAI Conference on Web and Social Media Data Challenge Workshop, Summer Institute in Computational Social Science Festival, Computational Social Science Forum (UC Berkeley)\*, Data Science Showcase (UC Berkeley), D-Lab Data Science Fellows Talk (UC Berkeley)

2019 MPSA, WPSA, Research Workshop in American Politics (UC Berkeley), Political Behavior Workshop (UC Berkeley), Canadian Studies Colloquium (UC Berkeley), Text Analysis Across Domains, Data Science Showcase (UC Berkeley)

2018 APSA, MPSA, WPSA, Politics of Race, Immigration, and Ethnicity Consortium, Association for Asian Studies

2017 MPSA, California Poverty and Socioeconomic Inequality Fellows Symposium

## Working Groups

\*Forming working groups is a basic part of my working style.

### External

**Co-organizer**, [Summer Institute in Computational Social Science in the San Francisco Bay Area](#), Fall 2019–Summer 2020

### Internal

**Co-founder and coordinator**, [Berkeley Historical Social Science Workshop](#), UC Berkeley, Fall 2019–Spring 2020

**Co-founder and coordinator**, Bias and Fairness in Machine Learning Working Group, D-Lab, UC Berkeley, Spring 2020–Present

**Co-founder and coordinator**, Race, Resistance, Inequality Workshop, Department of Political Science, UC Berkeley, Fall 2018–Spring 2019

## Service

### External

Reviewer: *Journal of Open Source Software*

### Internal

Coordinator: Interdisciplinary Immigration Workshop, UC Berkeley, Fall 2019–Spring 2020

Graduate student representative: Search Committee, Department of Political Science, UC Berkeley, Fall 2016, Fall 2018

Member: Black Bears, Brown Bears Diversity Action Committee, Department of Political Science, UC Berkeley, 2015–Present

## Languages and Programming Skills

Languages: fluent in Korean and English; know classical Chinese; read Chinese and Japanese

Programming skills: R, Python, Linux Command Line, Git/Github, SQL

## References

### Taeku Lee

George Johnson Professor  
Law and Political Science, UC Berkeley  
510-642-4640  
[taekulee@berkeley.edu](mailto:taekulee@berkeley.edu)

### Paul Pierson

The John Gross Professor  
Political Science, UC Berkeley  
510-643-6424  
[pierson@berkeley.edu](mailto:pierson@berkeley.edu)

### Irene Bloemraad

Class of 1951 Professor  
Sociology, UC Berkeley  
510-642-4287  
[bloemr@berkeley.edu](mailto:bloemr@berkeley.edu)