

Aditya Narayanan Ranganath

Curriculum Vitae (Updated 1/31/2023)

Education

University of California, San Diego (La Jolla, CA)
Ph.D. in Political Science (2018)

Bowdoin College (Brunswick, ME)
B.A. in Government and Legal Studies (concentration in Political Theory), Economics
cum laude (2009)

Work Experience

Data Librarian, University of Colorado at Boulder Libraries (Fall 2020–Present)

As a Data Librarian at CU Boulder’s Center for Research Data and Digital Scholarship (CRDDS), I collaborate with CRDDS colleagues to support the CU-Boulder community’s needs across all stages of the research data lifecycle. To that end, I participate in research consultations; topical instruction; data curation and preservation efforts in the context of supporting the development of CU Scholar (CU-Boulder’s institutional repository); and assorted projects that build CU Boulder’s research data infrastructure and facilitate data-driven research on campus.

Council on Library and Information Resources (CLIR) Postdoctoral Fellow in Geospatial Data Curation at New York University (NYU) Libraries (Fall 2019–Fall 2020)

As a CLIR Postdoctoral Fellow in the Data Services department at New York University’s Bobst Library, I worked with NYU’s GIS librarian and other members of the NYU Data Services team on NYU’s geospatial data collection, documentation, curation, and discovery efforts. In addition, I offered individualized geospatial and data consultations to library patrons, authored instructional materials, and designed and taught workshops on the use of GIS software, with a particular focus on GIS analysis using open-source tools (workshops that I developed and taught include “Introduction to QGIS”, “Introduction to Raster Analysis in QGIS”, and “Introduction to Geospatial Analysis in R”). During my time at NYU, I was also a curator for the Data Curation Network (DCN), a collaborative data curation organization that spans multiple institutions.

Postdoctoral Fellow, Yale-NUS College (Singapore) (Fall 2017–Fall 2019)

As a Postdoctoral Fellow at Yale-NUS College in Singapore (an autonomous liberal arts college founded in 2011 within the National University of Singapore, in collaboration with Yale University) I contributed to the College's undergraduate curriculum in the social sciences. I participated in Yale-NUS's distinctive core curriculum as an instructor in its multidisciplinary introductory social science module ("Comparative Social Inquiry"), and also developed and taught advanced undergraduate seminars and introductory surveys on topics within my substantive areas of expertise.

Data and GIS Lab Consultant, Reference and Research Advisory Services (RRAS) at the University of California, San Diego's (UCSD) Geisel Library (Fall 2015–Summer 2017; Part-time position)

As a part-time member of Geisel Library's Reference and Research Advisory Services (RRAS) team, I helped the library's map and data librarians maintain the library's Data and GIS Lab. My primary responsibility was to assist library users (mainly undergraduates, graduate students, and faculty) with academic projects that involved the analysis of geospatial data using ArcGIS or R. In addition, I offered consultations to patrons working on projects with Stata as well. Beyond research consultation services, I also helped the map librarian ingest and clean publicly available municipal data as part of the library's data preservation efforts.

Instructor, Teaching Assistant, Research Mentor; University of California, San Diego (UCSD) (Fall 2012–Summer 2017)

During the course of my PhD studies, I worked in several teaching positions at UCSD, as an instructor of record, section instructor, and research mentor.

Research Assistant, University of California, San Diego (Summer 2011; Summer 2012; Summer 2013)

During graduate school, I worked as a research assistant on empirical research projects for Professors David Lake (UCSD) and Jeffrey Frieden (Harvard), and Professor Miles Kahler (UCSD; American University). The project with Lake and Frieden was a study of the relationship between economic crises and political change from the beginning of the 20th century through the period of the Great Recession. I worked collaboratively with another research assistant to assemble large datasets on stock market volatility and historical relative price movements in order to quantitatively test the paper's theoretical arguments. I was also responsible for writing the paper's historical case studies. The project with Kahler was a study of the relationship between trade liberalization and political decentralization in countries throughout the world. I was responsible for building a relevant dataset, and analyzing the resulting data, as well as writing a literature review and providing ideas on the paper's theory.

Americorps Volunteer in Service to America (VISTA), California Human Development (CHD); Santa Rosa, CA (2009-2010)

During my year of service as a VISTA at California Human Development (CHD), I helped managers and program directors use internal program data to develop social return-on-investment (SROI) models for the various social welfare programs that CHD administers in California's Central Valley.

Scholarship and Creative Work

Dissertation: *The Politics of Globalization in a World of Global Cities* (2018; committee co-chaired by Miles Kahler and J. Lawrence Broz)

Scholarship in International Political Economy (IPE) is fundamentally concerned with the question of how the redistributive impact of globalization across different units of analysis shapes the politics of foreign economic policy. While previous work in IPE explored the “winners” and “losers” of globalization with respect to factors of production, sectors, and firms, it largely ignored the political implications of the redistributive impact of globalization across space. In particular, scholarship in economic geography and urban studies suggests that in spatial terms, the main beneficiaries of contemporary globalization are territorial formations known as “global cities”, whose globalization-driven prosperity comes at the expense of vast hinterland regions that are faced with stagnation and decline in the context of globalization. The goal of my dissertation project is to explore the implications of this economic geography of global cities and hinterlands for the politics of globalization. Chapter 2 begins with a conceptual discussion of this economic geography, with a view towards detailing the processes which constitute global cities and hinterlands as territorial formations that win and lose, respectively, from globalization. Chapter 3 theorizes how this economic geography shapes individual preferences over globalization, and thereby engenders distinctive mass foreign economic policy coalitions organized along “global city versus hinterland” lines. Chapter 4 analyzes globalization-related public referenda in Costa Rica and the UK with a view towards assessing whether the economic geography of global cities and hinterlands does indeed underpin spatial foreign economic policy coalitions along this territorial axis. Drawing on a range of geographically explicit data, it provides evidence that suggests the importance of internationalist “global city coalitions” and protectionist “hinterland coalitions” for the mass politics of globalization. Chapter 5 draws on spatially explicit data on commuter zones and legislative districts, as well as congressional roll call voting, to document the impact of these spatial foreign economic policy coalitions on patterns of legislative voting over trade policy in the United States Congress. Chapter 6 draws on crossnational data to provide suggestive evidence that the interaction between electoral regimes and the electoral geography of mass global city coalitions affects crossnational variation in foreign economic policy outcomes.

Peer-Reviewed Publications

Ranganath, Aditya. 2022. "Analyzing the Geography of Systemic Racism in an Introductory Geographic Informations Systems Workshop." *Journal of Map and Geography Libraries*. DOI: <https://doi.org/10.1080/15420353.2022.2107598>

Conference Proceedings

"The Data Bootcamp as a Platform for Data Literacy Education: Reflections from the University of Colorado Boulder" (with Jordan Wrigley)

- IASSIST 2022 (slides available at <https://zenodo.org/record/6633777#.Y6zjKezMI6H>)

"'Regime Shifts' and the Macrodynamics of the Global Political Economy: A Marxian Interpretation"

- Annual Meeting of the Midwest Political Science Association, 2022
- International Studies Association (ISA)-West, 2021

"Exploring ICPSR Data Using GIS"

- ICPSR Biennial Meeting, 2021

"Safe Hands: Political Leaders and the Cultivation of Market Confidence in Authoritarian Regimes" (with Jason Kuo)

- Annual Meeting of the American Political Science Association, 2016

"Global City Regions and the Domestic Politics of Globalization: The Influence of Political Geography and Electoral Institutions on Trade Policy"

- Annual Meeting of the American Political Science Association, 2016

"Political Preferences, Leaders, and Trade Policymaking in Democracies: Does the 'First Image' Matter for IPE?" (with Jason Kuo)

- Annual Meeting of the Midwest Political Science Association, 2015
- Annual Meeting of the American Political Science Association, 2015

"Global City Regions, Electoral Institutions and the Territorial Politics of Trade Policy"

- Annual Meeting of the American Political Science Association, 2014

"The Coming Realignment? Economic Crisis and Political Change in the United States" (Previously "Crisis Politics: Uncertainty, Relative Prices, and Political Change") (With Jeffrey Frieden, David Lake, and Michael Nicholson)

- Annual Meeting of the International Political Economy Society, 2011

Invited Presentations and Webinars

“A Gentle Introduction to Text Analysis in R” (with Nickoal Eichmann-Kalwara)

- Invited workshop presented at history department of California State University-Fullerton, as part of their “Digital Humanities Summer Connect” program; August 3, 2022

“Introducing Spatial Analysis and Visualization With ICPSR Data”

- ICSPR Webinar; October 19, 2021
(<https://www.icpsr.umich.edu/web/pages/about/events.html?node=3456>)

“Using Social Media Data Responsibly” (with Jordan Wrigley)

- Research Data Access and Preservation (RDAP) Webinar; June 3, 2021
(<https://scholar.colorado.edu/concern/presentations/4m90dw75t>)

Non-Peer Reviewed Publications (i.e. white papers, technical reports, published educational guides, editorials etc.)

Caillet, Ryan, Melissa Cantrell, Andrew Johnson, and Aditya Ranganath. 2022. “State of Open at the University of Colorado Boulder: An Update on Open Access Practices Based on Data from 2021.” <https://doi.org/10.25810/1EFE-PZ69>

Johnson, Annie, Carrie Johnston, and Aditya Ranganath. 2022. “The Third Library and the Commons.” In *A Third Library is Possible: The CLIR Curated Futures Project*. Edited by Faithe Day, John Maclachlan, Jodi Reeves Eyre, Synatra Smith, and Christa Williford.
<https://doi.org/10.17613/4h0p-c920>.

Ranganath, Aditya. 2022. “Exploring ICPSR data using GIS: A Guide to Mapping ICPSR Data in R Studio.” *ICPSR Data-Driven Learning Guides*.
<https://www.icpsr.umich.edu/web/pages/instructors/fellow/ar/index.html>

Wrigley, Jordan, Ryan Caillet, and Aditya Ranganath. 2022. “Bespoke Research Data Management in the Age of Big Data: the value of a cross unit collaborative data professional community.”
<https://researchdataq.org/editorials/bespoke-research-data-management-in-the-age-of-big-data-the-value-of-a-cross-unit-collaborative-data-professional-community/>

Caillet, Ryan, Aditya Ranganath, Jordan Wrigley, Andrew M. Johnson, and Melissa Hart Cantrell. 2021. “State of Open at the University of Colorado Boulder: An Update on Open Access Practices Based on Data from 2020.” <https://doi.org/10.25810/3tmp-k869>

Research Grants

Fair Facilities and Instruments: Enabling Transparency, reproducibility, and equity through persistent identifiers (National Science Foundation; awarded \$125,177)

- Role: Co-Investigator (2022-2025)

Data Advocacy for All: An Open Access Digital Repository for Innovative Data-Driven Curricula (CU Next Award; awarded \$300,000)

- Role: Co-Investigator (2022-2025)

Data Curation and Interdisciplinary and Highly Collaborative Research (IHCR) (Institute of Museum and Library Services; awarded \$378,046)

- Role: Co-Investigator (2020-2023)

Teaching Experience (teaching materials and/or syllabi are available upon request)

Political Science

- *The Politics of International Trade* (Instructor of Record; UCSD Department of Political Science)
- *American Defense Policy* (Instructor of Record; UCSD Department of Political Science)
- *International Organizations* (Instructor of Record; UCSD Department of Political Science)
- *Comparative Social Inquiry* (Co-Instructor in team-taught course; Yale-NUS College)
- *International Organizations in World Politics* (Instructor of Record; Yale-NUS College)
- *Global Cities* (Instructor of Record; Yale-NUS College)
- *International Political Economy* (Instructor of Record; Yale-NUS College)
- Research Mentor (UCSD Political Science)
 - Worked with a graduate student colleague over the course of several semesters between 2014 and 2016 to manage an undergraduate research team of 8 students tasked with collecting a large panel dataset on the personal attributes of heads of government, to be used as the basis for a collaborative research project. In doing so, we helped introduce the students to empirical data-driven research, and also mentored them in developing their own research projects.

Humanities and Writing

- *Foundations of Western Civilization: Israel and Greece* (Section Instructor; Revelle Humanities Program at UCSD)
- *Rome, Christianity, and the Middle Ages* (Section Instructor; Revelle Humanities Program at UCSD)

- *Renaissance, Reformation, and Early Modern Europe* (Section Instructor; Revelle Humanities Program at UCSD)
- *Enlightenment, Romanticism, and Revolution* (Section Instructor; Revelle Humanities Program at UCSD)
- *Modern Culture* ((Section Instructor; Revelle Humanities Program at UCSD)

Data Literacy, Data Management, and Data Analysis

- *Introduction to QGIS* (Workshop taught at NYU Libraries)
- *Introduction to GIS in R* (Workshop taught at NYU Libraries)
- *Introduction to Raster Analysis in QGIS* (Workshop taught at NYU Libraries)
- *A Crash Course in Data Analysis in R For Social Scientists* (Workshop taught at CU Boulder Libraries)
- *Working With Census Data in R Studio* (Workshop taught at CU Boulder Libraries)
- *Open Source Tools for Web Mapping* (with Phil White; Workshop taught at CU Boulder Libraries)
- *Visualizing and Analyzing the Geography of Systemic Racism using GIS* (Workshop taught at CU Boulder Libraries)
- *Introduction to Data Management at CU Boulder* (with Andy Monaghan; workshop presented to CU Boulder research laboratory)
- *Analyzing Twitter Data in R* (Workshop taught at CU Boulder Libraries)
- *Open Source Tools for Mapping Qualitative Data* (Invited class session for graduate course on qualitative data taught at CU Boulder)
- *Strategies for Finding Data* (with Jordan Wrigley; Workshop taught at CU Boulder Libraries as part of the Center for Research Data and Digital Scholarship’s inaugural Graduate Student Data Bootcamp)
- *Introduction to Data, Technology, and the Law* (with Rebecca Ciotta; part of the *Data, Technology, and the Law* series convened by Jordan Wrigley)
- *GIS Methods and Tools for Social Scientists* (5-week “mini-course” for CU Boulder graduate students, offered through the “Interdisciplinary Training in the Social Sciences” program at CU)
- *Navigating the NIH Data Management and Sharing Policy (DMSP): Tools for CU Researchers* (workshop presented at CU Boulder’s Research and Innovation Office).
- *Data Management at CU Boulder* (with Dylan Perkins; presented at the 2023 CRDDS Graduate Student Research Data Bootcamp)
- *R Foundations for Data Analysis and Visualization* (presented at the 2023 CRDDS Graduate Student Research Data Bootcamp)

Event Programming and Outreach Experience

2023

- Co-Organized Center for Research Data and Digital Scholarship's second Research Data Bootcamp for graduate students

2022

- Co-Organized "Love Data Week" at CU Boulder Libraries

2021

- Co-Organized Center for Research Data and Digital Scholarship's inaugural Research Data Bootcamp for graduate students

Professional Development

2022

- Regular participant in Data Curation Network's working group on Big Data curation and storage (<https://datacurationnetwork.org/special-interest-groups/>)
- Participated in Carpentries Lesson Maintainer onboarding workshop

2021

- Completed Carpentries Instructor Training (on data education and pedagogy), and completed subsequent requirements for instructor certification
- Participated in the annual "All Hands" meeting of the Data Curation Network (DCN), and discussed data curation topics and best practices with DCN members (Summer 2021)

2020

- Participated in the annual "All Hands" meeting of the Data Curation Network (DCN), and discussed data curation topics and best practices with DCN members (Summer 2020)
- Participated in "Google Cloud Big Data and Machine Learning Fundamentals", a one-day introductory workshop on the fundamentals of Google's cloud computing platform and its data analysis capabilities (Spring 2020)
- Participated in Geo4Lib 2020, an annual conference dedicated to discussion of geospatial data and repository services in academic libraries (Winter 2020)

- Participated in the Data Curation Network’s orientation process, which covered best practices in data curation (Winter 2020)

2019

- As a Council on Library and Information Resources (CLIR) Fellow, I participated in CLIR’s Postdoctoral Program Orientation (Summer 2019), and subsequent professional development sessions over the course of 2019 and 2020, which covered a wide variety of topics relevant to academic libraries and digital scholarship

Professional and Institutional Service

2022

- Member of Dean’s Advisory Committee for Diversity, Equity, and Inclusion (DCIDE) at CU Libraries
- Reviewed and evaluated conference proposals for CLIR DLF Conference 2022
- Lesson maintainer for “Introduction to Geospatial Concepts” *Carpentries* lesson
- Reviewed and provided feedback on student applications for CU Boulder’s *Norlin Scholars* scholarship program

2021

- *Geo4Lib* Conference 2021 Planning Committee member; among other organizational tasks, helped to organize post-conference survey, and contributed to the Conference’s geospatial glossary (<https://geo4libcamp.org/glossary.html>)
- Participated in GeoBlackLight 2021 winter code sprint; worked with fellow-participants to refine the GeoBlackLight project’s written documentation
- Member of CLIR DLF Conference 2021 Planning Committee; reviewed and evaluated conference proposals, and helped to evaluate conference Fellowship applications
- CU Boulder Libraries Development Week 2021 planning committee member

2020

- Participated in the GeoBlacklight project’s Summer 2020 software and metadata sprint; contributed documentation for the OpenIndexMaps project
- Made supplemental contributions to the Data Curation Network’s (DCN) Primer on Geodatabases as part of a collaborative “Primer Hackathon” during the DCN’s Summer 2020 “All Hands” meeting
- Served as peer reviewer for a Data Curation Network Primer on the GeoTIFF file format (2020)

2019

- Organized and convened the Fall 2019 “Brown Bag” speaker series for the Social Science division at Yale-NUS College

Professional Memberships

- American Library Association (ALA)
- Association of College and Research Libraries (ACRL)
- International Association for Social Science Information Services and Technology (IASSIST)

Fellowships and Awards

- Inter-university Consortium for Social and Political Research (ICPSR) Visiting Representative Fellowship, 2021
- UCSD Political Science Department Fellowship (2010-2011; 2011-2012)
- UCSD Political Science Sanford Lakoff Research Fellowship (2015)

Relevant Skills and Software

R; QGIS; ArcGIS; Git and GitHub; Python (Beginner); Google Earth Engine (Beginner)