CAROLINA JOHNSON

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EDUCATION

University of Washington, Seattle, WA

PhD, Political Science 2017

Graduate Certificate in Social Science Statistics, Center for Statistics & the Social Sciences.

2012

- Dissertation: Engaging Democracy: An Institutional Theory of Participatory Budgeting.
- Recipient: National Science Foundation Dissertation Research Award (Grant No. 1423877).

University of Oxford, UK

MPhil, Politics 2007

• Fields: Comparative government, political sociology, democratization.

Harvard University, Cambridge, MA

AB (High Honors), Social Studies and Women's Studies

2004

SELECTED PROFESSIONAL AND RESEARCH EXPERIENCE

King County Department of Community and Human Services Systems Impact Data Scientist (40hrs/week)

6/2019-present

- Partnered with engineering and departmental staff to design and build new Azure data environments and governance policies to enable and manage data sharing and collaboration across departments while protecting client data with complex regulatory restrictions.
- Designed and implemented in R descriptive and causal analyses that integrated client-level data from siloed human services source systems, using both enterprise linkage and custom probabilistic linkage models to provide holistic views of client needs and patterns of engagement with King County's health and human service systems.
- Supported the development of the King County Integrated Data Hub, a cross-departmental effort to build and maintain dynamic master client linkage of over 4 million identities across 7 data systems. As product owner, was responsible for scoping, managing relationships, and developing QA test procedures.
- Delivered rapid response data solutions, including interactive visualization, a client lookup application, and descriptive report to support planning and management of King County's COVID response for residents experiencing homelessness and others unable to safely isolate at home.
- Provided ongoing and on-demand technical assistance and training to 25 colleagues in a growing data and evaluation team through one-on-one code consultation, mentorship, and leading technical trainings.

King County Department of Community and Human Services Behavioral Health Innovations Projects Program Evaluator (40hrs/week)

9/2017-6/2019

- Worked with internal and external partners to design, create, and maintain production of performance measures and dashboards, and conducted process and impact evaluation of ongoing behavioral health Treatment on Demand financial incentive programs.
- Supported business-IT collaboration to develop and launch a new integrated cross-sector client-level data warehouse, including developing foundational documents and processes for data governance and participating in regular technical reviews to ensure quality and usability of warehoused data.
- Developed reports, presentations, and other visual representations of data on an as-needed basis for oneoff data requests and other ongoing evaluation activities.
- Supported skill development and learning within the measurement and evaluation unit by providing oneon-one code consultation and convening a monthly learning community meeting.

Center for Social Science Computation & Research, University of Washington Research and Data Consultant

9/2014-8/2017

- Provided statistical programming and analytic consulting support to student and faculty researchers from all social and health science departments.
- Developed and taught short courses in software packages including R and Atlas.ti.

Department of Political Science, University of Washington Doctoral Candidate

2013 - 2017

- In-depth fieldwork in 4 cities over 6 months, including 100 interviews and over 130 hours of observation.
- Designed, implemented, and analyzed a new international survey of 2,000 local community organizations.
- Implemented NLP and a supervised machine learning algorithm in R to classify 40,000 articles using my own cultural coding scheme and a labelled dataset built with 5 research assistants.
- Conducted dynamic panel analysis on precinct-level election data for 4 cities in the US and UK.
- Solo or first author on 2 peer-reviewed articles; 12 major conference or invited seminar presentations.

eScience Institute, University of Washington

Data Science for Social Good Fellow

Summer 2016

- Built an interactive RShiny app to demonstrate value of data exploration and visualization with 10GB raw data from Seattle area transit agencies' electronic fare payment and on-board sensors.
- Designed and maintained multiple scripts for data cleaning, reshaping, and joining of original data tables hosted on a secure Amazon Web Services RDS instance.

Department of Political Science, University of Washington Instructor and Teaching Assistant

2010 - 2015

- Developed syllabi, course materials, and lectures.
- Taught classroom sessions and supported student learning objectives through office hours and grading for courses including graduate-level statistics and undergraduate research methods and political science.

Department of Political Science, University of Washington

Research Assistant

2009

 Conducted background archive and bibliographic research for the project Tracing the History of Ward's Cove supervised by Professors Michael McCann and George Lovell.

Oxford English Dictionary, Oxford University Press

Pre-editorial Researcher

2007-2009

 Tracked changes in English language usage for major dictionary revision and surveyed a wide range of electronic resources collecting additional evidence to expand the historical record of known words.

One World Trust, London, UK

Research Assistant

2007-2008

• Core team researcher conducting literature review, case selection, and concept development for the research project "Accountability Principles of Research Institutes".

Department of Politics and International Relations, University of Oxford, UK Research Assistant

2006-2007

- Built a comprehensive international database of terrorist organizations and conducted preliminary statistical analysis for the book How Terrorism Ends by Dr. Audrey Cronin.
- Conducted background research for archival project on U.S. executive politics by Professor Nigel Bowles.

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SKILLS AND TOOLS

Computer packages/languages: R, SQL, Git, Python, Tableau, ArcGIS, Atlas.ti, LaTeX. **Data methods:** Data wrangling and ETL logic, multivariate statistics and MLE, text-as-data analysis, supervised machine learning and classification, multi-level modeling, GIS, survey design and analysis, qualitative research design including interview and participant observation.

Languages: French (advanced reading/writing); German (basic reading/writing).

TEACHING

- Lecturer, University of Washington: undergraduate social science statistics (2019)
- Software/Data Carpentry Instructor (2017-18)
- Short course instructor, Center for Center for Social Science Computation and Research (2015-2017)
- Graduate Instructor, University of Washington: undergraduate research methods (2014-2015)
- Teaching Assistant, University of Washington: graduate statistics courses and introductory and upper level undergraduate political science courses. (2010-2014)

SELECTED PUBLICATIONS

- "Testing the Participation Hypothesis: Evidence from Participatory Budgeting", *Political Behavior* (2021 in press) *peer reviewed journal*.
- "Variations of Institutional Design for Empowered Deliberation" (with John Gastil), Journal of Public Deliberation. 11, no. 1 (2015) – peer reviewed journal.
- "Civic Participation and Democratic Legitimacy: Evidence from England and Wales" *Political Studies*. 63, no. 4 (2015). First published online June 2014 peer reviewed journal.
- "Sustainable Engagement: Designing Participatory Processes to Support Ongoing Public Involvement" Involve Briefing Paper (2014).

SELECTED PRESENTATIONS

- "Mobilizing Media: Estimating the Impact of Participatory Budgeting on Community-Level Political Expression." Paper presented at the European Consortium of Political Research General Conference, Prague, Czech Republic, September 9, 2016.
- "Amplifying Collaboration: Participatory Budgeting and Community Organizations." Paper presented at the American Political Science Association Annual Meeting, Philadelphia, PA, September 2, 2016.
- "Participatory Budgeting and Community Mobilization: Evidence from Surveys of Community Organizations." Paper presented at 'By the People': Participatory Democracy, Public Engagement and Citizenship Education, Arizona State University, Phoenix, AZ, December 2015.
- "Framing Citizenship: A Text Analysis Approach to Measuring Political Culture." Paper presented at the American Political Science Association Annual Meeting, San Francisco, CA, September 2015.
- "Public Engagement and Participatory Governance." Presentation to King County Communications Managers, Seattle, WA, March 2015.
- "Building Sustainable Engagement through Participatory Budgeting: PB and Civic Networks in the US and UK." Presentation at 3rd International Conference on Participatory Budgeting, Oakland, CA, September 2014
- "Diverging Models of Participatory Governance: A Framework for Comparison." Paper presented at the Western Political Science Association Meeting, Hollywood, CA, March 2013.

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