

**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

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## SELECTED RESEARCH AND PROFESSIONAL EXPERIENCE

### King County Department of Community and Human Services

**Systems Impact Data Scientist** 6/2019-present

- Scoping and implementing innovative analytics and evaluation projects and engaging stakeholders.
- Leading management of DCHS' Integrated Data Hub and development of other data assets, partnering with King County IT to design and test new data architecture.
- Supporting the technical skill development of the measurement and evaluation unit by providing one-on-one code consultation, mentorship, and leading technical trainings.

### King County Department of Community and Human Services

**Behavioral Health Innovations Projects Program Evaluator** 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 one-off data requests and other ongoing evaluation activities.
- Improved the skills of the measurement and evaluation unit through consultation and training.

### 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 researchers from all 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 supervised machine learning algorithm in R to classify 40,000 articles using my own cultural coding scheme to develop a training set obtained 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**

##### **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 Prof. Nigel Bowles.

#### **Clinical Research Program, Massachusetts General Hospital**

##### **Programs and Grants Assistant, Education Unit**

2005

- Redesigned website and restructured extensive online research handbook.
- Compiled grant application documents and provided telephone and clerical support.

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### **SKILLS AND TOOLS**

**Computer packages/languages:** R, SQL, Git, Python, Tableau, ArcGIS, Atlas.ti.

**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).

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### **TEACHING**

- Lecturer, University of Washington: undergraduate social science statistics (2019)
- Software/Data Carpentry Instructor (2017)
- Short course instructor, 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 undergraduate political science courses. (2010-2014)

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## SELECTED PUBLICATIONS

- “Testing the Participation Hypothesis: Evidence from Participatory Budgeting”, under review at *Political Behavior* (submitted 4/2019).
- “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).

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## 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.
- “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.
- “Building Sustainable Engagement through Participatory Budgeting: PB and Civic Networks in the US and UK.” Presentation at 3<sup>rd</sup> International Conference on Participatory Budgeting, Oakland, CA, September 2014
- “Local Civic Participation and Perceptions of Democratic Legitimacy: Evidence from England and Wales.” Paper presented at the International Studies Association Annual Meeting, Montréal, Canada, March 2011.

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## OTHER ACTIVITIES

- Theatrical lighting designer, 2003 – present.
- President and/or Treasurer, Climbing Club at the UW, 2010 – 2013.
- Quartermaster, Oxford University Mountaineering Club Himalayan Expedition, 2008.
- Welfare Officer/Website Administrator, St Hilda’s College, Oxford 2005 – 2007.
- Spokesperson, Massachusetts Green-Rainbow Party, 2004 – 2005.
- President and co-founder, Harvard College Greens 2001 – 2004.