

JENNIFER M. BACHNER, PHD

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EXPERIENCE

Director, Center for Data Analytics, Policy, and Government

2022-Present

Johns Hopkins University

- Lead a team of experienced academic and administrative professionals to provide our 800+ students a suite of six (6) master's degree programs covering data analytics and policy, government, public management, nonprofit management, global security studies, and intelligence analysis.
- Provide direction for new course development and instructional technology solutions that enable faculty to deliver both academic excellence and a student-centric experience for our diverse community of learners seeking to advance their professional goals.
- Collaborate across University departments and with our external partners to align our priorities and achieve key objectives in enrollment, marketing, and student services.
- Represent the Center on the JHU Advanced Academic Programs (AAP) Policy Committee and Curriculum Committee, serving the learning goals of approximately 8,000 students in applied areas of the arts and sciences.
- Host special events with internal and external partners to facilitate exchange across scholars and practitioners in the fields of analytics, policymaking, and governance.

Director, Data Analytics and Policy Program

2014-2022

Johns Hopkins University

- Developed and implemented all aspects of the Data Analytics and Policy Program, including both the online master's degree and certificate track, from designing the core courses to obtaining approval from the Maryland Higher Education Commission (MHEC).
- Continuously updated the program to attract over 20 full-time and adjunct faculty and provide approximately 200 students with the technical skills and substantive knowledge needed to serve as data-driven leaders.
- Led the development and revision of new courses on topics of strongest interest to employers, including data visualization, predictive analytics, artificial intelligence and computational modeling.
- Conducted and published research on analytical methods, civic education, government responsiveness, civic engagement, and political communication.
- Advised students on their academic and professional goals.
- Provided leadership over functions including curriculum development, management of adjunct faculty, program promotion, enrollment, and admissions.
- Taught courses on statistics, analytical methods and research design.

Program Coordinator, MA in Government

2011-2014

Johns Hopkins University

- Developed new programming, communication tools, and events to enhance the experience and education for students in the MA in Government program.
- Shaped the digital transformation for the master's degree program to better serve our adult learners, while teaching courses on public opinion, survey methodology, social science research methods, and quantitative methods.
- Advised students on topics related to American government, public opinion polling, congressional politics and education policy.

EDUCATION

PhD, Government, Harvard University 2011

- Dissertation: Learning to Act: The Effect of Civic Education on Political Participation

MA, Government, Harvard University 2009

BS, Secondary Social Studies Education, University of Maryland, College Park 2005

BA, Government and Politics with High Honors, University of Maryland, College Park 2005

- *Summa cum laude, Phi Beta Kappa*

BOOKS

Warping Time: How Contending Political Forces Manipulate the Past, Present and Future with Benjamin Ginsberg. 2023 (University of Michigan Press).

America's State Governments: A Critical Look at Disconnected Democracies with Benjamin Ginsberg. 2020 (Routledge).

Analytics, Policy and Governance. Edited volume with Benjamin Ginsberg and Kathy Wagner Hill. 2017 (Yale University Press).

What Washington Gets Wrong: The Unelected Officials Who Actually Run the Government and Their Misconceptions about the American People with Benjamin Ginsberg. 2016 (Penguin Random House).

RESEARCH ON GOVERNMENT AND POLITICS

"Capacity Building: The Federal Government's Efforts to Hire and Develop Analytics Staff," In Liebowitz, Jay (Ed.), *Pivoting Government Through Digital Transformation*. Taylor & Francis, 2023.

"Optimizing Analytics for Policymaking and Governance." 2022. IBM Center for the Business of Government.

"Advances in Public Opinion and Policy Attitudes Research" with Kathy Wagner Hill. 2014. *Policy Studies Journal* 42(1):55-74.

“Predictive Policing: Preventing Crime with Data and Analytics.” 2013. IBM Center for the Business of Government.

RESEARCH ON TEACHING AND LEARNING

“Using Class-Designed Survey Experiments to Teach Data Collection, Analysis and Reporting Protocols,” In Elizabeth Bennion (Ed.), *Teaching Experimental Political Science*. Elgar, 2024.

“Teaching Big Data,” In Mitchell Brown, Shane Nordyke and Cameron Thies (Eds.), *Teaching Political Methodology*, 164-173. Elgar, 2022.

“Pedagogical Recommendations for Applied Statistics Courses,” In Daniel Mallinson, Julia Hellwege and Eric Loepp (Eds.), *The Palgrave Handbook of Political Research Methodology*. Palgrave Macmillan, 2021.

“Refocusing Methods Courses on Workplace Applications.” 2020. *Journal of Political Science Education*.

“Teaching Quantitative Skills in Online Courses: Today’s Key Areas of Focus and Proven Learning Tools,” with Sarah O’Byrne. 2019. *Journal of Political Science Education* (Oct. 15: 1-13).

“Studying Public Opinion Using Survey Experiments.” 2018. SAGE Research Methods Cases.

“Challenges and Solutions When Designing and Teaching Online Courses.” 2014. In *Cases on Critical and Qualitative Perspectives in Online Higher Education*, ed. Myron Orleans. IGI Global.

“Teaching Research Methods: Trends and Recommendations” with Margaret Commins. 2012. *PS: Political Science and Politics* 45(3):539-540.

OTHER WRITING

“What Government Agencies Seeking Innovation Could Learn from Venture Capitalists,” with Jeff Myers and Rob Ness, *Federal News Network*, February 4, 2021.

“Analyst, Analyze Thyself!” *NextGov*, November 6, 2019.

“Analyzing the Evidence: Making Sense of Charts and Graphs.” 2018. In *American Government: Power and Purpose* (Norton).

“Is Predictive Policing the Law-Enforcement Tactic of the Future?” *Wall Street Journal*, April 25, 2016.

“Cantor’s Loss Was Result of Unforced Error,” *Roll Call*, June 23, 2014.

SELECTED PRESENTATIONS AND INVITED TALKS

“Improving Trust in Transacting with the Federal Government,” ACT-IAC Emerging Technology Community of Interest, IBM Center for the Business of Government (July 2022).

“A Patchwork of Governance in a Complex World” (Panel Chair), American Political Science Association Annual Meeting (September 2021).

“American Government: Structure and Policymaking,” International Visitor Leadership Program, U.S. Department of State (May 2021).

“State Constitutions: Successes and Pitfalls,” Midwest Political Science Association Annual Meeting (April 2021).

“Government Analytics Survey: Results and Analysis,” Government Analytics Breakfast Forum at Johns Hopkins University (October 2019).

“Good State Government Requires a Strong Governor: The Effects of State Executive Power on Policy Outcomes,” APSA Annual Meeting (August 2019).

“Text Analysis and Machine Learning in Government Agencies,” APSA Teaching Research Methods Conference (March 2019).

“Best Practices for Running a Data Analytics Units in Your Police Department,” Data-Driven Policing Summit, Performance Institute (September 2017).

“What Washington Gets Wrong,” Book Forum Talk at the Cato Institute (December 2016).

“Teaching Students about Analytics, Policy and Governance,” Roundtable at the Annual Meeting of the American Political Science Association (September 2016).

“Emerging Risks.” Panel presentation at the Federal Enterprise Risk Management Summit (November 2015).

“Preparing the Workforce for the High-demand Field of Data Science.” Panel presentation at Predictive Analytics World – Government (October 2015).

“Data and Analytics of the Future.” Panel presentation at the Federal Big Data Summit (June 2015).

“The Use of Data Analytics in Law Enforcement.” Presentation at IBM to the Korea National Computing and Information Agency (2014).

“Predictive Policing: Preventing Crime with Big Data and Analytics.” Report presented at Predictive Analytics World – Government (2014).

“The Civic Distance between the Rulers and Ruled.” Book chapter presented at the American Political Science Association Annual Meeting (2014).

“Bipartisan Signaling: A Comparison of Bill Co-sponsorship to Party Unity Vote Scores.” Paper presented at the American Political Science Association Annual Meeting (2013).

“Empowering Students to Collect Original Data: The Use of Online Labor Markets in Political Science Courses.” Paper presented at the American Political Science Association Annual Meeting (2013).

“Forecasting the 2012 Presidential Election.” Invited talk at the Johns Hopkins Carey Business School (2012).

“The Common Mistakes Made When Writing Research Questions.” Paper presented at the American Political Science Association Teaching and Learning Conference (2012).

“Youth Participation after Obama.” A panel on youth political engagement in the 2010 election at the Southern Political Science Association Annual Meeting (2011).

“From Classroom to Voting Booth: The Effect of Civic Education on Turnout.” Paper presented at the American Political Science Association Annual Meeting (2010).

“An Interactive Model of Civic Education: Reconsidering the Relationship between Schools, Parents and Political Participation.” Paper presented at the Southern Political Science Association Annual Meeting (2010) and Midwest Political Science Association Annual Meeting (2010).

“Identifying the Causal Effects of Civic Education: A Bayesian Sensitivity Analysis.” Poster presented at the Society for Political Methodology Annual Meeting (2009).

“Human Interaction with Electronic Voting Machines.” Poster Presented at the University of Maryland Social Sciences Summer Research Initiative (2004).

SELECTED MEDIA APPEARANCES

Interviews about Data Analytics

- “Optimizing Analytics,” The Business of Government Series on Federal News Network, October 10, 2022.
- “Optimizing Analytics for Policymaking and Governance,” FedHeads Podcast, Oct 3, 2022.
- “Our Students’ Passion is about Solving Real World Problems,” CDO Magazine, August 19, 2022.
- “Cities are Having a Data and Analytics-Driven Moment, and It’s Likely to Stay,” *Government Technology*, March 2017.
- “Four Reasons Data Analytics Often Fail,” *Governing*, May 2016.
- “Introducing the Chief Data Scientist,” *Government Technology*, March 11, 2016.
- “Learning Politics and Government Hands-on,” *Baltimore Sun*, September 7, 2014.

- “Big Data Analytics and Government,” Public CIO Special Report, August 2015.

Interviews about State Government and Politics

- [“Who’s Your Governor? 1 in 3 Americans Don’t Know,”](#) *Governing*, December 21, 2018.
- “2018’s Best State Capitals to Live in,” *WalletHub*, Feb. 20, 2018.
- [The Attitude with Arnie Arneson](#) (radio), December 20, 2018.
- [“State Government Civics Survey Leaves Many People Stumped,”](#) *Route Fifty*, December 11, 2018.

Interviews about What Washington Gets Wrong

- “What does a Partial Government Shutdown Mean for Washingtonians?” *The Kojo Nnamdi Show* (NPR), January 22, 2018.
- Lou Dobbs Tonight, *Fox Business*, March 10, 2017.
- [“What Washington Really Thinks of the Rest of America,”](#) *The Kojo Nnamdi Show* (NPR), October 26, 2016.
- “Washington’s ‘Governing Elite’ Think Americans are Morons,” *Washington Post* (Wonkblog), October 5, 2016.
- “Study: Washington Officials See Public as Largely Uninformed,” *Baltimore Sun*, September 28, 2016.
- “How Dumb Does Washington Think We All Are?” *New York Post*, October 9, 2016.
- “In Other Words,” *Blog Talk Radio*, October 15, 2014.
- “Hopkins Study: Feds are Whiter, Richer, More Liberal than Most Americans,” *Baltimore Sun*, October 3, 2014.
- “Americans Don’t Care for Washington. New Research Suggests the Feeling is Mutual,” *Washington Post* (Wonkblog), September 18, 2014.

Interviews about Predictive Policing

- “How Local Governments are Cutting Burglaries by 27 Percent,” *Government Executive*, September 25, 2013.
- Conversation with Authors Series on the Business of Government Hour, *Federal News Radio*, December 16, 2013.
- “Maryland News Now,” *WBAL 1090 AM*, October 24, 2013.

ADDITIONAL RESEARCH EXPERIENCE

Project Manager, Harvard Election Data Archive, Harvard University 2009-2011

- Managed a team of undergraduate and graduate students for a project that examined the effects of proposed redistricting plans on election outcomes.
- Collected and analyzed precinct-level election results for local, state and federal offices for all 50 states from 2000-2008.

Research Assistant, Moving to Opportunity Project, Harvard University 2007-2010

- Analyzed voter registration and turnout data from major cities, such as Chicago and Los Angeles, for a project that used experimental data to test whether moving to higher income neighborhoods leads to increased civic engagement.
- Researched and wrote literature reviews on residential mobility and turnout, social networks, and neighborhood influences on voting.

TEACHING EXPERIENCE

Expertise and Evidence in Policymaking (online)	2023-Present
Data Literacy Specialization (online), Coursera	2020-Present
Probability and Statistics (online), Johns Hopkins University	2020- Present
Capstone for Data Analytics and Policy (online), Johns Hopkins University	2016-Present
Capstone Continuation (online and onsite), Johns Hopkins University	2016-Present
Advanced Quantitative Methods (online), Johns Hopkins University	2015-2020
Statistics and Political Analysis (online), Johns Hopkins University	2013-2015
Quantitative Methods (online), Johns Hopkins University	2012-2014
Behind the Numbers: Polling and Elections (online), Johns Hopkins University	2013-2014
Public Opinion and American Democracy, Johns Hopkins University	2011, 2013
Research and Thesis I, Johns Hopkins University	2011-2013
Advanced Empirical Methods (Teaching Assistant), Harvard Kennedy School	2010
Introduction to Econometrics (Teaching Assistant), Harvard University	2008-2009
Math Boot Camp for PhD Students, Institute for Quantitative Social Science	2008-2009
Introduction to American Government (Teaching Assistant), Harvard University	2008
The Politics of American Education (Teaching Assistant), Harvard University	2006
The Responsibilities of a Liberally Educated Person, University of Maryland	2002, 2004

AWARDS AND HONORS

Toward an Open Monograph Ecosystem (TOME) Grant, Johns Hopkins University	2022
Wiley's Inspirational Women in Statistics and Data Science	2016
Dean's Award for Excellence in Teaching, Johns Hopkins University	2015
Dean's Award for Excellence in Curriculum Development, Johns Hopkins University	2014
Governmental Studies Excellence in Teaching Award, Johns Hopkins University	2012
Presidential Management Fellowship Finalist	2011
Prestage-Cook Travel Award, Southern Political Science Association	2010
Certificate of Distinction in Teaching, Harvard University	2009, 2010
Dissertation Completion Fellowship, Harvard University	2010
Conference Travel Grant, Harvard University	2009, 2010
Graduate Fellowship, Harvard University	2005
Summer Research Fellowship, University of Maryland, College Park	2004
Presidential Scholarship, University of Maryland, College Park	2001

ADDITIONAL TRAINING

Independent Applying the QM Rubric, Quality Matters	2019
Teaching Research Methods Symposium, APSA	2019
Creating Presence in Online Courses, University of Wisconsin	2018
Data Visualization, Short Course by Edward Tufte	2015
SPSS Modeler Faculty Training, IBM	2014
Maptitude for Congressional Redistricting (GIS Software), Caliper Corporation	2010
Summer Institute of Civic Studies, Tufts University	2010
Women and Politics Summer Leadership Conference, American University	2003

UNIVERSITY SERVICE

Policy Committee, Johns Hopkins University	2022-Present
Curriculum Committee, Johns Hopkins University	2021-Present
Curriculum and Instruction Committee, AAP Faculty Senate	2021
Search Committee, Director for Applied Economics Program	2020
Search Committee, Coordinator for Center for Advanced Governmental Studies	2019
Instructional Technology Committee, Johns Hopkins University	2016-2021
Search Committee, Director of Strategic Data and Enrollment Planning	2018
Chair, Search Committee for Director of the Instructional Resource Center	2017-2018
Distance Learning Committee, Johns Hopkins University	2014-2017
Search Committee, Associate Director of the MA in Communication, Johns Hopkins	2013
Senior Thesis Advisor, Harvard University	2009-2010

PROFESSIONAL SERVICE

Government Analytics Breakfast Forum (Organizer), Johns Hopkins University	2014-2023
Advisory Editor, Wiley Series in Operations Research and Management Science	2016-2018
Advisor, Resource Implementations for Data Intensive Research in the Social, Behavioral and Economic Sciences (RIDIR), National Science Foundation	2015

Manuscript Referee: *American Politics Research*, *American Political Science Review*, *Business and Politics*, *European Journal on Criminal Policy and Research*, *International Journal of Forecasting*, *Pearson*, *PLOS ONE*, *Political Analysis*, *Political Behavior*, *Political Research Quarterly*, *Public Opinion Quarterly*, SAGE Publications.