Alexander Herzog, Ph.D.

Chair for Empirical Political Science
Feldkirchenstraße 21 (FG1), 96052 Bamberg
✉ alexander.herzog@uni-bamberg.de
www.alexherzog.net

Employment

University of Bamberg 2023–present
Research Associate at the Chair for Empirical Political Science
Member: Zentrum für innovative Anwendungen der Informatik/
Center for Innovative Applications of Computer Science (ZIAI)

Clemson University 2017–2022
Lecturer in the School of Computing &
Director of the Capstone Program in Computer Science

Clemson University 2014–2017
Postdoctoral Researcher in the Social Analytics Institute and the
Data Intensive Computing Lab

London School of Economics 2012–2014
Postdoctoral Fellow in the Department of Government

Education

New York University, Ph.D. Political Science 2006–2012
Dissertation: Public Policy in Cabinet Governments
Committee: Michael Laver, Howard Rosenthal, Joshua Tucker

Trinity College Dublin, Ireland, Visiting Researcher 2009–2010

University of Mannheim, Germany, Diplom in Social Sciences 2002–2006

University of Konstanz, Germany, Vordiplom in Public Policy and Management 2000–2002

Publications

Peer-Reviewed Articles

Herzog, Alexander, and David Schmuck. 2026. "From Foe to Friend? Government–Opposition Conflict and the Appointment of Cabinet Ministers." *Political Science Research and Methods*. First View.

Alshanik, Farah, Amy Apon, Yuheng Du, Alexander Herzog, and Ilya Safro. 2022. "Proactive Query Expansion for Streaming Data Using External Sources." In *Proceedings of the IEEE International Conference on Big Data*.

Weeks, Liam, Slava Jankin Mikhaylov, Alexander Herzog, Mícheál Ó Fathartaigh, and Hannah Béchara. 2022. "Itś Only Words? Analysing the Roots of the Irish Party System Using Historical Parliamentary Debates." *Parliamentary Affairs* 76 (4): 836–856.

Béchara, Hannah, Alexander Herzog, Slava Jankin Mikhaylov, and Peter John. 2021. "Transfer Learning for Topic Labeling: Analysis of the UK House of Commons Speeches 1935–2014." *Research & Politics* 8 (2): 1–10.

Alshanik, Farah, Amy Apon, Alexander Herzog, Ilya Safro, and Justin Sybrandt. 2020. "Accelerating Text Mining Using Domain-Specific Stop Word Lists." In *Proceedings of the International Workshop on Big Data Reduction held in conjunction with the IEEE International Conference on Big Data*.

Herzog, Alexander, and Slava Jankin Mikhaylov. 2020. "Intra-Cabinet Politics and Fiscal Governance in Times of Austerity." *Political Science Research and Methods* 8 (3): 409–424.

Gropp, Chris, Alexander Herzog, Ilya Safro, Paul Wilson, and Amy Apon. 2019. "Clustered Latent Dirichlet Allocation (CLDA) for Scientific Discovery." In *Proceedings of the 1st International Workshop on Big Data Tools, Methods, and Use Cases for Innovative Scientific Discovery (BTSD) held in conjunction with the IEEE International Conference on Big Data*.

Hagemann, Sara, Stefanie Bailer, and Alexander Herzog. 2019. "Signals to Their Parliaments: Governments' Strategic Use of Votes and Policy Statements in the Council of the European Union." *Journal of Common Market Studies* 57 (3): 634–650.

Posey, Brandon, Christopher Gropp, Boyd Wilson, Boyd McGeachie, Sanjay Padhi, Alexander Herzog, and Amy Apon. 2018. "Addressing the Challenges of Executing a Massive Computational Cluster in the Cloud." In *Proceedings of the 18th Annual IEEE/ACM International Symposium in Cluster, Cloud, and Grid Computing (CCGrid)*.

Sybrandt, Justin, Angelo Carrabba, Alexander Herzog, and Ilya Safro. 2018. "Are Abstracts Enough for Hypothesis Generation?" In *Proceedings of the IEEE International Conference on Big Data*.

Avudaiappan, Neela, Alexander Herzog, Sneha Kadam, Yuheng Du, Jason Thatcher, and Ilya Safro. 2017. "Detecting and Summarizing Emergent Events in Microblogs and Social Media Streams by Dynamic Centralities." In *Proceedings of the IEEE International Conference on Big Data*.

Du, Yuheng, Alexander Herzog, Andre Luckow, Ramu Nerella, Christopher Gropp, and Amy Apon. 2017. "Representativeness of Latent Dirichlet Allocation Topics Estimated from Data Samples with Application to Common Crawl." In *Proceedings of the IEEE International Conference on Big Data*.

Herzog, Alexander, and Slava Jankin Mikhaylov. 2017. "Database of Parliamentary Speeches in Ireland, 1919–2013." In *Proceedings of the 1st IEEE International Conference on the Frontiers and Advances in Data Science*.

Posey, Brandon, Christopher Gropp, Alexander Herzog, and Amy Apon. 2017. "Automated Cluster Provisioning and Workflow Management for Parallel Scientific Applications in the Cloud." In *Proceedings of the 10th Workshop on Many-Task Computing on Clouds, Grids, and Supercomputers (MTAGS) held in conjunction with the ACM/IEEE International Conference for High Performance Computing, Networking, Storage and Analysis*.

Lauderdale, Benjamin E., and Alexander Herzog. 2016. "Measuring Political Positions from Legislative Speech." *Political Analysis* 24 (3): 374–394.

Herzog, Alexander, and Kenneth Benoit. 2015. "The Most Unkindest Cuts: Speaker Selection and Expressed Government Dissent During Economic Crisis." *Journal of Politics* 77 (4): 1157–1175.

Herzog, Alexander, and Joshua A. Tucker. 2010. "The Dynamics of Support: The Winners-Losers Gap in Attitudes Towards EU Membership in Post-Communist Countries." *European Political Science Review* 2 (2): 235–267.

Pappi, Franz Urban, Alexander Herzog, and Ralf Schmitt. 2006. "Koalitionssignale und die Kombination von Erst- und Zweitstimme bei den Bundestagswahlen 1953 bis 2005 [Coalition Signals and the Combination of First and Second Vote in Bundestag Elections 1953 to 2005]." *Zeitschrift für Parlamentsfragen* 37 (3): 493–513.

Pappi, Franz Urban, Axel Becker, and Alexander Herzog. 2005. "Regierungsbildung in Mehrebenensystemen: Zur Erklärung der Koalitionsbildung in den deutschen Bundesländern [Government Formation in Multilevel Systems: Explaining Coalition Building in the German Länder]." *Politische Vierteljahresschrift* 46 (3): 432–458.

Book Chapters

Herzog, Alexander, Slava Jankin Mikhaylov, and Liam Weeks. 2021. "Ireland: The Paradox of a Weak Legislature in a Candidate-Centered System." In *Politics of Legislative Debate*, edited by Hanna Back, Marc Debus, and Jorge M. Fernandes, 463–483. Oxford University Press.

Weeks, Liam, Mícheál Ó Fathartaigh, Slava Jankin Mikhaylov, and Alexander Herzog. 2018. "'More Than Words': A Quantitative Text Analysis of the Treaty Debates." In *The Treaty: Debating and Establishing the Irish State*, edited by Liam Weeks and Mícheál Ó Fathartaigh, 206–224. Irish Academic Press. (**Winner of the Irish Political Studies Best Paper Prize 2016**.)

Benoit, Kenneth, and Alexander Herzog. 2017. "Text Analysis: Estimating Policy Preferences from Written and Spoken Words." In *Analytics, Policy and Governance*, edited by Jennifer Bachner, Kathryn Wagner Hill, and Benjamin Ginsberg, 137–159. Yale University Press.

Grants and Awards

- 2025: "Preis für gute Lehre 2025" (award for excellence in teaching), Political Science Institute, University of Bamberg
- 2019: BMW, Research grant, Analyzing Multilingual Sources of Textual Data for Understanding Customer Feedback (PI), $50,000
- 2018: Clemson's "National Scholars Program Award of Distinction" (awarded by graduating National Scholars to faculty and staff who have served as significant mentors)
- 2017:
  - BMW, Research grant, Analyzing Heterogeneous Sources of Textual Data for Understanding Customer Sentiment (PI), $50,000
  - BMW, Research grant, Natural Language Understanding for Customer Feedback Analysis (PI), $60,000
  - NVIDIA, 2 Tesla P100 GPU for building a deep-learning infrastructure ($15,000 in-kind)
- 2016:
  - Amazon Web Services (AWS), $29,300 in-kind grant for cloud computing
  - Winner of the Irish Political Studies Best Paper Prize for the 2016 Annual Conference of the Political Studies Association of Ireland (with Liam Weeks, Mícheál O Fathartaigh, and Slava Mikhaylov)
  - Irish Research Council New Foundations Scheme (Co-PI; with Liam Weeks and Slava Mikhaylov), "*A quantitative text analysis of the 1921 Anglo–Irish Treaty debates*", €10,000

- 2015: Clemson CBBS One Year Accelerate grant (Co-PI; with Jason Thatcher, Ilya Safro, and Linh Ngo), "*Constructing concise and accurate knowledge bases for data-driven social inquiry*", $15,921
- 2013: LSE Seed Fund (PI), £6,085
- 2012: American Political Science Association Travel Grant
- 2008: Conference Travel Award, Graduate School of Arts and Science, NYU
- 2007–2011: Summer Fellowship, Department of Politics, NYU
- 2006–2011: MacCracken Fellowship, Graduate School of Arts and Science, NYU

Service to the Profession

Representation

2024–present: Postdoctoral Representative, Bamberg Graduate School of Social Sciences

Conferences

- 2023: Co-organizer, Conference of the German Political Science Association Standing Group on Comparative Parliamentary Research, Bamberg
- 2018:
  - Member of the program committee for the 3rd Workshop on Open Science in Big Data (OSBD), held in conjunction with the 2018 IEEE International Conference on Big Data
- 2017:
  - Member of the program committee for the 2nd Southern Data Science Conference (SDSC) in Atlanta
  - Member of the program committee for the 2nd Workshop on Open Science in Big Data (OSBD), held in conjunction with the 2017 IEEE International Conference on Big Data
- 2015: Discussant for panel "Legislative activity and oversight," Midwest Political Science Association, Chicago, IL
- 2011: Panel organizer "New approaches in coalition research," American Political Science Association, Seattle, WA

Reviewer

Journals: Acta Politica; American Journal of Political Science; American Political Science Review; Big Data Congress; British Journal of Political Science; Comparative Political Studies; European Journal of Political Research; European Political Science Review; European Union Politics; International Journal of Social Research Methodology; Irish Political Studies; Italian Political Science Review; Journal of Computational Social Science; Journal of Politics; Journal of Systems and Software; Legislative Studies Quarterly; Management Information Systems Quarterly; Methods, Data, Analyses; PLOS One; Political Analysis; Political Communication; Political Science Research and Methods; Politische Vierteljahresschrift; Research and Politics; World Politics *Books*: Routledge, Wiley

Grants: US National Science Foundation, Swiss National Science Foundation

Teaching Experience

University of Bamberg (2023–today)

- Analyse Politischen Wettbewerbs [Analyzing Political Competition] (Bachelor)
- Analytische Perspektiven auf die Bundestagswahl 2025 und ihre Folgen [Analytical Perspectives on the 2025 German Federal Election and its Consequences] (Master)
- Coalition Governance (Master)
- Does Politics Make a Difference? Representation, Governance, and Policy Outcomes in Comparative Perspective (Bachelor)
- Einführung in die Vergleichende Politikwissenschaft [Introduction to Comparative Politics] (Bachelor)
- Far Right Parties and Their Electorate (Master)
- Governments and Public Policy (Master)
- Governments, Legislatures, and Public Policy (Master)
- Introduction to R (Master)
- Measuring Political Preferences (Master)
- Research Design and Causal Inference (Master)
- The Politics of Legislative Debate (Master)

Clemson University (2014–2022)

- Computer Science II - Introduction to C++ (Bachelor)
- Computational Thinking (Bachelor)
- Applied Data Science (Bachelor/Master)
- Seminar in Professional Issues II (Bachelor)
- Senior-Design/Capstone (Bachelor)

London School of Economics (2012–2014)

- Legislative Politics: European Parliament (Master)
- European Politics: Comparative Analysis (Master)
- Government, Politics and Public Policy in the EU (Bachelor)
- olitics and Institutions in Europe (Bachelor)

New York University (2006–2012)

- Comparative Politics (Bachelor), Teaching Assistant
- Quantitative Methods I-III (Ph.D.), Teaching Assistant

Student Supervision

Masters Thesis Advisor, University of Bamberg

- 2025: "Mapping Policy Positions of German Parties: Anchoring Latent Spaces by Harnessing Large Language Models to Amend Vote Advice Applications Based on Party Manifestos"

Dissertation Co-Chair, Clemson University

- Yuheng Du, Ph.D. in Computer Science, now at Amazon working on the Alexa AI team

Dissertation Committee Member, Clemson University

- Ph.D. in Computer Science: 5
- Ph.D. in Human-Centered Computing: 2
- Ph.D. in Management Information Systems (MIS): 1
- Ph.D. in Rhetorics, Communication, and Information Design: 1
- Ph.D. in Statistics: 1
- MSc. in Computer Science: 3

Masters Thesis Advisor, LSE

- MSc. in Politics and Government in the European Union: 16

Research Project Advisor

- Main advisor for two honors students research projects in Computer Science, 2017/18
- Main advisor for three research interns in the Social Analytics Institute at Clemson University, 2014/15 & 2015/16.
- Main advisor for three graduate research assistants at LSE for a six-month funded project on legislative behavior in the European Parliament, 2013/14.

Collaborations with Industry

Funded Student Projects

Director of the School of Computing Capstone Program 2017–2021
Secured more than $120,000 in industry funding and supervised more than 30 software development projects with clients such as Amazon, BMW, Boeing, IBM, NVIDIA, and SYNNEX/Microsoft.

Funded Research Projects

Amazon Web Services (AWS) 2016–2017
LexisNexis Risk Solutions, Atlanta, GA 2015–2018
BMW Information Technology Research Center (ITRC), Greenville, SC 2015–2020

Computing Skills

Programming languages: C++, Python, R, Stata, SQL
Cloud computing: Amazon Web Services (AWS)