

# DAVID CARLSON

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## PROFESSIONAL

06/2022–05/2024	YOUGov, INC. Senior Data Scientist, Innovations
08/2018–05/2022	KOÇ UNIVERSITY Assistant Professor, Department of International Relations

## EDUCATION

18/05/2018	WASHINGTON UNIVERSITY IN ST. LOUIS Ph.D., Political Science Committee: Jacob M. Montgomery (chair), Jeff Gill, Guillermo Rosas, Roman Garnett, and Margit Tavits
08/05/2011	UNIVERSITY OF ILLINOIS AT CHICAGO ( <i>Cum Laude</i> ) B.A., Political Science (Honors)

## PEER-REVIEWED PUBLICATIONS

J Boston, D Carlson, JB Duck-Mayr, G Sasso. “Political Competition and Judicial Independence: How Courts Fill the Void When Legislatures are Ineffective.” *Journal of Law and Courts* (2024): 12, 1.

Marcus, J., Carlson, D., Ergin, C., Ceylan, S. “‘Generation Me’: A generational explanation for intra-national cultural convergence and divergence in self vs. collective cultural orientations.” *Journal of World Business* (2022): 57, 101269.

Carlson, David, and Jeffrey Ziegler. “The Role of Democratic Governance and Indirect Expropriation in International Investment Treaty Violations.” *Uluslararası İlişkiler / International Relations Journal* (2021): 10.33458/uidergisi.1011808, 1–13.

Aksoy, Deniz, and David Carlson. “Electoral Competition and Militant Groups’ Targeting Strategies.” *Journal of Peace Research* (2021): 10.1177/00223433211047719.

Hadzic, Dino, David Carlson, and Margit Tavits. “How exposure to violence affects ethnic voting.” *British Journal of Political Science* (2020): 50 (1), 345–362.

Carlson, David. “Modeling Related Processes with an Excess of Zeros.” *Political Science Research and Methods* (2019): 7 (4), 889–902.

Carlson, David, and Jacob M. Montgomery. “A pairwise comparison framework for fast, flexible, and reliable human coding of political texts.” *American Political Science Review* (2017): 111 (4), 835–843.

## WORKING PAPERS

Carlson, David. “Modeling Without Conditional Independence: Gaussian Process Regression for Time-Series Cross-Sectional Analyses.”

Carlson, David, and Devin P. Brown. “Estimating a Counter-Factual with Uncertainty Through Gaussian Process Projection.”

Carlson, David. “A Bayesian Framework for Dealing with Uncertainty in Covariates.”

Carlson, David. “Appropriate Training, Feature Extraction, and Estimation of Sentiment for Textual Analyses.”

Ersözölü, Ecem, and David Carlson. “Political Knowledge as a Mediator of the Effect of Dogmatic Intolerance on Democratic Values.”

Rosas, Guillermo, Jacint Jordana, and David Carlson. “The ‘Conflict of Interest’ Hypothesis: Is There a Trade-off Between Price Stability and Bank Stability?”

Rosas, Guillermo, and David Carlson. “Placing Chilean Citizens and Elites on Common Ground.”

Carlson, David. “Executive Moderation and Public Approval in Latin America.”

Carlson, David and Abdulhakim Özcan. “Estimating Causal Orderings and Relationships with Causal Gaussian Processes.”

Storey, Damien, and David Carlson. “Positive Discrimination in Machine Learning Algorithms.”

## SOFTWARE

- 2020 Brown, Devin P., and David Carlson. **GPP**. R package that estimates a counter-factual with uncertainty through Gaussian process projection. Available at: <https://github.com/carlson9/GPP> and on CRAN at <https://cran.r-project.org/web/packages/GPP/>. Maintainer.
- 2016 Carlson, David, and Jacob M. Montgomery. **sentimentIt**. R package that interacts with the **SentimentIt** API. Available at: <https://github.com/carlson9/SentimentIt>. Maintainer.
- 2015 Carlson, David, Michelle Torres and Taeyong Park. **weightTAPSPACK**. R package available on CRAN at: <https://cran.r-project.org/web/packages/weightTAPSPACK/> Maintainer.

## TEACHING

- Students Shukhrat Khuseynov, Data Science Master's Program (chair). Spring 2021.
- Devin P. Brown, International Relations Master's Program (co-chair). Spring 2021.
- Instructor Advanced Data Analysis in Python, Undergraduate and Graduate Level. Fall 2021. Koç University.
- Independent Study — Quantitative Political Methodology in R, Undergraduate Level. Fall 2021. Koç University.
- Data & Society, Undergraduate Level. Fall 2021. Koç University.
- Independent Study — Gaussian Processes for the Social Sciences, Undergraduate Level. Summer 2021. Koç University.
- Advanced Data Analysis in Python, Undergraduate and Graduate Level. Spring 2021. Koç University.
- Research Methods in Social Sciences, Undergraduate Level. Spring 2021. Koç University.

Independent Study — Quantitative Political Methodology in R, Graduate Level. Fall 2020. Koç University.

Data & Society, Undergraduate Level. Fall 2020. Koç University.

Advanced Data Analysis in Python, Undergraduate and Graduate Level. Spring 2020. Koç University.

Independent Study — Introduction to Computer Science and Programming in Python, Undergraduate Level. Fall 2019. Koç University.

Introduction to Political Science, Undergraduate Level. Fall 2019. Koç University.

Data & Society, Undergraduate Level. Fall 2019. Koç University.

Introduction to Comparative Politics, Undergraduate Level. Fall 2019. Koç University.

Advanced Data Analysis in Python, Undergraduate and Graduate Level. Spring 2019. Koç University.

Introduction to Political Science, Undergraduate Level. Fall 2018. Koç University.

Introductory R Workshop, Graduate Level. Fall 2016. Washington University in St. Louis.

Introductory Python Course, Graduate Level. Summer 2016. Washington University in St. Louis.

Teaching Assistant

Quantitative Political Methodology, Graduate Level. Spring 2017. Washington University in St. Louis.

Mathematical Modeling for Political Science, Graduate Level. Fall 2016. Washington University in St. Louis.

Topics in Politics: Applied Statistical Programming, Undergraduate and Graduate Level. Spring 2016. Washington University in St. Louis.

Quantitative Political Methodology, Undergraduate Level. Fall 2015. Washington University in St. Louis.

Fair Division in Theory and Practice, Undergraduate Level (Cross-referenced Computer Science). Spring 2015. Washington University in St. Louis.

The Causes and Consequences of Democratization, Undergraduate Level. Fall 2014. Washington University in St. Louis.

## AWARDS AND GRANTS

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|------|---|
| 2021 | Koç University Seed Research Fund (25,000TL)  |
| 2019 | National Science Foundation Travel Support for the Society of Political Methodology Annual Conference (\$1,350) |
| 2011 | Milton Rakove Memorial Research Award for Best Paper in International Relations (\$1,000)                       |
| 2010 | Caterpillar Associates Undergraduate Student Award (\$2,000)  |

## SELECT PRESENTATIONS

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|------|---|
| 2022 | Carlson, David and Abdulhakim Özcan. “Estimating Causal Orderings and Relationships with Causal Gaussian Processes.” 2022 Asian Conference of the Society for Political Methodology.  |
| 2020 | Aksoy, Deniz, and David Carlson. “Electoral Outcomes and Militants’ Targeting Strategies.” Invited talk at Bilkent University.  |
| 2020 | Carlson, David. “Estimating a Counter-Factual with Uncertainty through Gaussian Process Projection.” International Methods Colloquium, 6 March 2020.  |
| 2019 | Carlson, David. “Estimating a Counter-Factual with Uncertainty through Gaussian Process Projection.” 2019 Conference of the Society for Political Methodology, Massachusetts Institute of Technology.                         |
| 2017 | Carlson, David. “Modeling Without Conditional Independence: Gaussian Process Regression for Time-Series Cross-Sectional Analyses.” 2017 Conference of the Society for Political Methodology, University of Wisconsin-Madison. |

- 2016 Carlson, David. “Modeling Related Processes with an Excess of Zeros.” 2016 Conference of the Society for Political Methodology, Rice University.

## SELECT PRESENTED PAPERS

- 2018 Boston, Joshua, David Carlson, and JBrandon Duck-Mayr. “Political Competition and Judicial Independence: How Courts Fill the Void When Legislatures are Ineffective.” 2018 American Political Science Association Annual Meeting, Boston, MA.
- 2016 Montgomery, Jacob M. and David Carlson. “Funneling the Wisdom of Crowds: The **SentimentIt** Platform for Human Computation Tasks.” 2016 Conference of the Society for Political Methodology, Rice University.
- 2014 Rosas, Guillermo and David Carlson. “Talking Past Each Other? Using Roll-Call Votes to Place Chile’s Citizens and Legislators on a Common Scale.” Second Workshop of the Legislative Studies Group, Rio de Janeiro.

## CONSULTANCY

- 03/08/2018–15/10/2018 Cable News Network (CNN), 2018 US Senate Midterm Election Forecasting.

## SERVICE

- Journal Reviewer *American Political Science Review, Political Analysis, Journal of Politics, Journal of the Royal Statistical Society, British Journal of Political Science, Comparative Political Studies, International Studies Review, Qualitative and Mixed Methods Research.*

Discussant Roles	2019 Conference of the Society for Political Methodology, Massachusetts Institute of Technology.
	2019 Asian Political Methodology Conference, Doshisha University.
	2017 Comparative Politics Annual Conference, Washington University in St. Louis.
	2016 Washington University in St. Louis Political Data Science Conference.
	2015 Midwest Political Science Association Annual Conference, Chicago, Illinois.
Internal Service	Masters Search Committee (Computational Social Science), Koç University, Spring 2021.
	Masters Search Committee (International Relations), Koç University, Spring 2021.
	PhD Comparative Comprehensive Exam Committee, Koç University, Fall 2020–Spring 2021.
	International Relations Departmental Website Update Committee, Koç University, Fall 2018–present.
	Library Liaison, Koç University, Fall 2018–Fall 2019.
	PhD Search Committee, Koç University, Spring 2019.
Other Service	PhD Comprehensive Exam Update Committee, Koç University, Fall 2018.
	Presented at Robert College International Model United Nations 2021 on preventing electoral fraud.