Joan C. Timoneda

Purdue University   Email: timoneda@purdue.edu
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EMPLOYMENT

Purdue University, Department of Political Science
Assistant Professor   2020 - Present

Duke University, Department of Political Science and DevLab@Duke
Postdoctoral Research Associate   2019 - 2020

EDUCATION

University of Maryland, College Park
PhD, Government and Politics   2014 – 2019
       Fields: Comparative Politics, Methodology
MA, Government and Politics

University of Oxford – St. Antony's College, UK
MPhil, Latin American Studies   2009 – 2011

Arizona State University
B.A., Political Science. B.A., Philosophy. Minor, History.   2005 – 2009

RESEARCH

Peer-Reviewed Publications

[10] Joan C. Timoneda and Sebastián Vallejo Vera. Forthcoming. "BERT, RoBERTa or DeBERTa? Comparing Performance Across Transformer Models in Political Science Text." *Journal of Politics.*

[9] Timoneda, Joan C., Abel Escribà-Folch and John J. Chin (2023) "The Rush to Personalize: Power Concentration After Failed Coups in Dictatorships." *British Journal of Political Science*.

[8] Timoneda, Joan C. (2023) "Et Tu Brute? Wealth Inequality and the Political Economy of Authoritarian Replacement." *Studies in Comparative International Development*.

[7] Timoneda, Joan C. and Erik Wibbels (2022) "Spikes and Variance: Using Google Trends to Predict the Onset of Major Events." *Political Analysis*, 30(1): 1-18.

[6] Timoneda, Joan C. (2021) "Wealth wars: how productivity gaps explain democratic erosion in advanced economies." *European Political Science Review*, 13(4): 506-527.

[5] Timoneda, Joan C. and Sebastián Vallejo Vera (2021) "How Do Shocks Realign Interest Group Lobbying in Ecuador's Congress? A Network Analysis Approach." *The Journal of Legislative Studies* 29(1): 37-77.

[4] Timoneda, Joan C. and Sebastián Vallejo Vera (2021) "Will I die of coronavirus? Google Trends data reveal that politics determine virus fears." *PLOS ONE,* 16(10).
   · Covered by **PsyPost.com**: Analysis of Google search data indicates politics played a major role in shaping COVID-19 fears in the United States.

[3] Timoneda, Joan C. (2021) "Estimating group fixed effects in panel data with a binary dependent variable: How the LPM outperforms logistic regression in rare events data." *Social Science Research*, 93: 102486.

[2] Timoneda, Joan C. (2020) "Institutions as Signals: How Dictators Consolidate Power in Times of Crisis." *Comparative Politics*, 53(1): 49-68.

[1] Timoneda, Joan C. (2019) "Where in The World Is My Tweet: Detecting Irregular Removal Patterns on Twitter." *PLOS ONE*, 13(9).

Works Under Review

[8] Timoneda, Joan C. "Generative AI Models for Synthetic Data in Political Science Text."

[7] Diana Dávila Gordillo, Joan C. Timoneda and Sebastián Vallejo Vera. "How Transformers Outperform Other Approaches in Classifying Overt and Covert Racism On Twitter: Evidence from Ecuador."

[6] Abel Escribà-Folch and Joan C. Timoneda. "How Leaders Use Social Media to Estimate the Costs of Democratic Backsliding."

[5] Timoneda, Joan C., Abel Escribà-Folch, and Kyle Haynes. "Trajectories of Personalism in Dictatorship."

[4] Timoneda, Joan C. "Economic Shocks and Power Concentration in Dictatorship."

[3] Mestre, Rafael and Joan C. Timoneda. "Hey GPT-3, How Biased Are you?"

[2] Timoneda, Joan C. and Sebastián Vallejo Vera. "Random and Selective Masking in RoBERTa Models: How to Maximize Performance During Training".

[1] Timoneda, Joan C., #Christina Walker and #Kayla Young. "Is More Time Always Better? Revisiting the No Time-Varying Confounder Assumption for Unit Fixed Effects Models."

Works in Progress

[9]   Escribà-Folch, Abel and Joan C. Timoneda. "Legacies of Personalism: Do Dictators Inherit Their Predecessor's Level of Power Accumulation?"

[8]   Christina Walker and Timoneda, Joan C. "Identifying Ideological Bias in GPT-4 Using Linguistic and Cultural Differences in Six Countries."

[7]   Timoneda, Joan C, #Christina Walker and +Nicole Kreimer. "Backsliding Ideal Points: A New Data-Driven Backsliding Measure Using Transformers NLP Models"

[6]   Ben Johnson, Logan Strother and Joan C. Timoneda. "Taking Justices' Legal Preferences Seriously: Estimating Justice and Case Ideal Points using Transformers NLP Models."

[5]   Kayla Gurganus, Logan Strother and Joan C. Timoneda. "Can Natural Language Processing Tools Replace Human Coding of Textual Data?"

[4]   Timoneda, Joan C. and Sebastián Vallejo Vera. "GPT4 and LLaMa 2 as Expert Coders in Social Science Tasks".

[3]   Timoneda, Joan C. and Josef Woldense. "Whom to Appoint? Analyzing Cabinet Formation and Change in Dictatorships."

[2]   Timoneda, Joan C. "Why Do Personalist Dictators Use Complex Institutions? Revisiting Rafael Trujillo's Regime Through Machine Learning and Big Data".

[1]   Timoneda, Joan C. "Institutional Personalism: How Digital Information Sidelines Traditional Institutions in Democracy and Dictatorship." <u>Book project</u>.

Book Chapters and Conference Proceedings

[2]   Abel Escribà-Folch and Joan C. Timoneda (forthcoming) "Personalism in Dictatorships: Disentangling the Process of Power Accumulation Over Time" in *Research Handbook on Authoritarianism,* edited by Natasha Lindstaedt and Jeroen Van den Bosch. Wiley.

[1]   Calvo, Ernesto, Joan C. Timoneda and Tiago Ventura (2020) "Big Relational Data: Network-Analytic Measurement" in *The SAGE Handbook of Research Methods in Political Science and International Relations,* edited by Luigi Curini and Robert J. Franzese Jr. Sage, ch. 30.

AWARDS AND GRANTS

2023. Purdue Exploratory Research in the Social Science (ERSS) grant (internal). Co-PI. Amount: $29,854.

2018. Clifford C. Clogg Scholarship – ICPSR Summer Program ($5,000).

2018. J. K. Goldhaber Travel Grant, University of Maryland Graduate School ($400.00)

2017. APSA Annual Meeting Travel Grant for International Students ($125).

2017. Donald C. Piper Award for Best Graduate Student Research Paper ($700).

2017. Dean's Fellowship, Department of Government and Politics, University of Maryland ($5,000).

2016. APSA Annual Meeting Travel Grant for International Students ($170).

2016. Dean's Fellowship, Department of Government and Politics, University of Maryland ($5,000).

2015. J. K. Goldhaber Travel Grant, University of Maryland Graduate School ($300.00)

2015. Dean's Fellowship, Department of Government and Politics, University of Maryland ($5,000).

CONFERENCE PRESENTATIONS

APSA 2023. "Trajectories of Personalism in Dictatorship." Panel.

APSA 2023. "Hey GPT-3, How Biased Are You?" Panel.

MPSA 2023. "Trajectories of Personalism in Dictatorship." Panel.

MPSA 2023. "Is More Time Always Better?" Panel.

APSA 2019. "Wealth Wars: Democratic Erosion in Advanced Democracies." Panel.

APSA 2019. "Interest Group Networks and Economic Shocks." (Sebastián Vallejo). Panel.

MPSA 2019. "Wealth Wars: Democratic Erosion in Advanced Democracies." Panel.

MPSA 2018. "Institutions as Signals: How Dictators Consolidate Power." Panel.

MPSA 2018. "Et tu Brute? The Political Economy of Authoritarian Replacement." Panel.

APSA 2017. "Coups and Institutions in Authoritarian Regimes Facing Crises." Panel.

APSA 2017. "Country fixed effects with a binary dependent variable: MLE or LPM?". Poster.

MPSA 2017. "The Inequality Trap: High Inequality and Authoritarian Regime Failure." Panel.

APSA 2016. "The Internet as a Power-Sharing Institution." Panel.

APSA 2016. "The Inequality Trap." (with Sebastián Vallejo). Panel.

Pre-APSA Political Communication Meeting 2015. "Patterns of Internet Censorship in Authoritarian Regimes." Panel.

TEACHING

Purdue University:
- POL 641: MLE, Machine Learning and Regime Change. Fall 2024.
- POL 501: Introduction to Quantitative Analysis. Fall 2021, 2022.
- POL 491: The Rise and Fall of Dictators. Fall 2020, 2021, Spring 2023.
- POL 141: Introduction to Comparative Politics. Fall 2022, Spring 2023.
- SCLA 102: Democracy, Citizenship and Civic Duty. Spring 2021, 2022, 2024.

DEPARTMENTAL AND UNIVERSITY SERVICE

Advising and Dissertation Committees

- Christina Walker (Chair)
- Bingxin Fa
- Aditya Anand
- Ogadinma Enwereazu
- Kallie Fox

Department Committee Roles

- Comparative politics search committee (2021-22)
- Comparative politics search committee (2022-23)
- Comparative politics field coordinator (2022-23)
- Methods field coordinator (2022-23)

PROFESSIONAL SERVICE

Member of the American Political Science Association, the Midwest Political Science Association and the Latin American Studies Association.

University of Maryland: Department of Government and Politics, Dean's Representative. 2018.

Reviewer for: *American Journal of Political Science, Journal of Politics, Comparative Political Studies, British Journal of Political Science, Comparative Politics, Political Analysis, Political Science Research and Methods, Studies in Comparative International Development (SCID), PLOS ONE, Polity, International Journal of Political Science, Party Politics.*

RESEARCH SKILLS

Computing: **R**, **Python**, **Stata**, **LaTeX**.

Languages: **Catalan** (native), **Spanish** (Native), **English** (Native or bilingual proficiency, ILR scale), **French** (Professional working proficiency, ILR scale).