

JBrandon Duck-Mayr | CV

PhD Candidate

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Research Interests

- American politics
- Judicial politics
- Quantitative methods
- Game theory

Education

PhD, Political Science - Washington University in St. Louis Committee: James F. Spriggs, II (Chair), Lee Epstein, Randall Calvert	Expected 2022
JD - Baylor Law School Magna Cum Laude, Class Rank: Top 5%	2015
BA, Political Science - Baylor University Magna Cum Laude, Phi Beta Kappa	2011

Research

Peer Reviewed Publications

4. Duck-Mayr, JBrandon and Jacob Montgomery (2022). "Ends Against the Middle: Measuring Latent Traits When Opposites Respond the Same Way for Antithetical Reasons". *Political Analysis* Conditionally Accepted.
3. Duck-Mayr, JBrandon (2022). "Explaining Legal Inconsistency". *Journal of Theoretical Politics* 34(1): 107-126. <https://doi.org/10.1177/09516298211061159>.
2. Duck-Mayr, JBrandon, Thomas G. Hansford, and James F. Spriggs II (2021). "Agenda Setting and Attention to Precedent in the U.S. Federal Courts". *Journal of Law and Courts* 9(2): 233-260. <https://doi.org/10.1086/713404>.
1. Duck-Mayr, JBrandon, Roman Garnett, and Jacob Montgomery (2020). "GPIRT: A Gaussian Process Model for Item Response Theory". *Proceedings of the 36th Conference on Uncertainty in Artificial Intelligence (UAI)*. 520-529. <http://proceedings.mlr.press/v124/duck-mayr20a.html>.

Under Review

1. Boston, Joshua, David Carlson, and JBrandon Duck-Mayr (2021). "Political Competition and Judicial Independence". Revise and resubmit at *Journal of Law and Courts*.

Working Papers

2. Duck-Mayr, JBrandon (2022b). "The Force of the Law".
1. Duck-Mayr, JBrandon (2022a). "Inference in Gaussian Process Models for Political Science".

Works in Progress

2. Duck-Mayr, JBrandon and Joseph Ornstein (2021). "Gaussian Process Regression Discontinuity".
1. Butler, Ryden, JBrandon Duck-Mayr, David R. Miller, et al. (2021). "May It Please the President? The Role of Deference to Executive Power in Supreme Court Nominations".

Software

3. Duck-Mayr, JBrandon (2021). *gpmss: Gaussian Process Models for Social Science*. Comp. software R package version 0.1.0. <https://github.com/duckmayr/gpmss>.
2. Duck-Mayr, JBrandon and Jacob Montgomery (2020). *bggum: Bayesian Estimation of Generalized Graded Unfolding Model Parameters*. Comp. software R package version 1.0.2. <https://github.com/duckmayr/bggum>.
1. Duck-Mayr, JBrandon (2018). *RcppDist: Rcpp Integration of Additional Probability Distributions*. Comp. software R package version 0.1.1. <https://github.com/duckmayr/RcppDist>.

Teaching Experience

Instructor for Constitutional Law - Washington University in St. Louis	Summer 2021, Spring 2020, Summer 2018
Teaching Assistant for Math Camp - Washington University in St. Louis	Summer 2019, 2018
Teaching Assistant for Game Theory - Washington University in St. Louis	Fall 2018, Spring 2018
Teaching Assistant for Constitutional Law - Washington University in St. Louis	Spring 2019, Spring 2017

Conference Participation

MPSA annual meeting - “Improving Empirical and Theoretic Models of Judicial Choice Involving Case Facts”	2021
APSA annual meeting - “GPIRT: A Gaussian Process Model for Item Response Theory” and “Improving Empirical and Theoretic Models of Judicial Choice Involving Case Facts” (poster)	2020
Conference on Uncertainty in Artificial Intelligence - “GPIRT: A Gaussian Process Model for Item Response Theory”	2020
MPSA annual meeting - “Explaining Confusion in the Law”	2019
Society for Political Methodology Annual Meeting - “Measuring Non-Monotonic Response with the Generalized Graded Unfolding Model” (poster)	2018
APSA annual meeting - “Judicial Independence as a Function of Political Competition”	2018
MPSA annual meeting - “Judicial Independence as a Function of Political Competition”	2017
APSA annual meeting - “Agency Characteristics and Presidential Particularism”	2016

Awards

Antoinette Dames Prize - Washington University in St. Louis Awarded for the best paper in a graduate level course, for “Explaining Confusion in the Law”	2018
University Fellowship - Washington University in St. Louis	2015-Present
Funderburk Evidence Award - Baylor Law School Awarded for the best work in Evidence, funded by Funderburk & Funderburk.	2015
Performance Scholarship - Baylor Law School	2015
Baylor Law Review Association Award - Baylor Law School Awarded to Baylor Law Review members selected with the faculty advisor.	2014
William J. Boswell Memorial Award - Baylor Law School Awarded for the best work in Torts, given in memory of Dean Emeritus William J. Boswell by R. Jack Ayres, Jr.	2013
Dean’s Academic Excellence Scholarship - Baylor Law School	2012-2015

Service and Activities

Graduate Student Senator - Washington University in St. Louis	2018-2020
Political Data Science Lab - Washington University in St. Louis	2015-Present
Senior Executive Editor, Baylor Law Review - Baylor Law School Evaluated submissions for publication	2014-2015
Executive Editor, Baylor Law Review - Baylor Law School Supervised members’ writing requirement progress	2014-2015
Associate Editor, Baylor Law Review - Baylor Law School Checked citation accuracy and edited manuscripts	2013
Evidence Coach, Baylor Law School AAJ Mock Trial Team - Baylor Law School Gave evidence law lectures and research support	2015

Technical Skills

• C++ • R • Python • L^AT_EX • bash • git • Linux • Cluster computing