Timothy R. McDade

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Website: https://trmcdade.github.io/ GitHub: https://github.com/trmcdade

Education	PhD program: Duke University Political Science: Political Economy, Quantitative Methods Passed qualifying and preliminary examinations.	2018 –	
	BS, Honors: The College of William & Mary Mathematics and Chinese Language & Literature	2008 – 2012	
	Tsinghua University Coursework in Chinese Language and Culture	2010	
Work Experience	DevLab@Duke: Durham, NC, USA Research Associate, Machine Learning for Peace - Scraped international media sources to construct an event data set as input to a natural language processing algorithm that predicts democratic backsliding, civil space closures, and authoritarian influence across the world. - Constructed data set of economic indicators for inclusion in event prediction model. - Managed undergraduate research assistants.		
	 Microsoft: Beijing, China and Redmond, WA, USA		
	Program Manager, MACH IT Rotation Program Delivered four contracts resulting in \$337,500 revenue.	2012 – 2014	
	The College of William & Mary: Williamsburg, VA, USA	2010 – 2012	

Researcher, Computational Science in the Mathematical Sciences

Researcher, W&M Global Business Immersion

2011 - 2012

2010 - 2011

Publications

Timothy R. McDade. What can insurance tell us about the capitol mob? *Foreign Policy*, January 2021 (link here).

Timothy R. McDade. Who's surprised by gamestop? not me!, February 2021 (link here).

Working Papers

Timothy R. McDade. Multilateral constraints on chinese behavior in south china sea territorial disputes. *Duke Global Working Paper Series*, (19), March 2020 (link here or here).

Timothy R. McDade. Economic determinants of protest, 2021

Timothy R. McDade. Ownership concentration of government bond markets, 2021

Timothy R. McDade, Layna Mosley, and B Peter Rosendorff. Political shocks and sovereign borrowing, 2021

Timothy R. McDade, Mateo Villamizar Chaparro, Molly Jacobs, and Michelle Corea. The effect of covid-19 and economic stimulus on food security, 2021

Languages

Mandarin Chinese (advanced), Spanish (advanced)

Skills

Technical skills:

- Python, R, SQL, Unix/Bash, Git, Stata, Matlab, LaTeX
- Quantitative analysis, time series analysis, advanced regression and statistics, forecasting, machine learning, factor analysis, natural language processing, data management

Business skills:

- Synthesis of academic, technical, business, and strategic material to recommend action to varied groups of stakeholders.
- Synthesize, organize, and evaluate huge amounts of data and evidence both quantitative and qualitative.
- Detail-oriented, but able to connect to the bigger picture.
- Project and people management.
- Use evidence to advocate a position or strategy.
- Construct evidence-based theories of change.

Honors, Distinctions, and Awards

Duke University

- Bradley Foundation Grant Funding (\$7,000): 2021.
- Walter T. Molano Research Grant (\$3,000): 2021.
- Departmental Fellowship, Department of Political Science: 2018, 2019, 2020.
- Summer Research Fellowship, Duke Graduate School: 2019, 2020.
- Summer Institute in Computational Social Science, Russell Sage Foundation and Alfred P. Sloan Foundation: 2019.

The College of William & Mary

- Monroe Scholar: ranked in the top 5% of Class of 2012 admitted students. Awarded summer research fellowship (\$3,000).
- Dean's List: Fall 2011 & Spring 2012.

Invited Presentations	February 2020: UT Austin, Restraint and National Security Conference	
Departmental Service	Duke University Research Assistant, Professor Scott de Marchi Research Assistant, Professor Erik Wibbels Teaching Assistant, Professor Michael Munger Teaching Assistant, Professor Alexander Rosenberg	2018 - 2019 2019 - 2021 2020 - 2021 2021
Teaching	Political Science 145: Introduction to Political Economy (Fall 2020)	
Professional Affiliations	American Political Science Association International Studies Association	