

Thomas Francis Cunningham IV

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RESEARCH EXPERIENCE

Research Specialist II, Princeton University

February 2020 – Present

- Provide data management and empirical analysis support for Prof. Helen Milner at the Niehaus Center for Globalization & Governance
- Code analyses and cleaning files for publication in premier journals in political economy/political science, in Stata and R
- Attend regular training and audit courses for quantitative methods and econometrics, with a focus on applications of these methods in R and Stata

Directed Studies, Texas A&M University

Fall 2019

- Coded a two-part sentiment analysis of FOMC minutes in R, applying a Maximum Entropy Classifier indicator function of uncertainty to measure the frequency of uncertainty references and subsequently implementing a lexical valence shifter to establish an overall sentiment value
 - Created a time-series analysis of FOMC uncertainty sentiment to measure against existing FOMC text analysis measures, various asset indices, and interest rates.
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EDUCATION

Texas A&M University, College of Liberal Arts

Overall GPA 3.92

- Master of Science in Economics, concentrated in Financial Economics, graduation December 2019
- Relevant Coursework: Macroeconomic Theory, Economic Forecasting, Economic Analytics, Mathematical Economics
- Capstone Project: *Textual Analysis of FOMC Releases as a Tool to Gauge Uncertainty*

Blinn College, Non-Degree-Seeking Student

Overall GPA 4.00

- Coursework: Multivariable Calculus, Principles of Macroeconomics, and Differential Equations

Elliott School of International Affairs at The George Washington University

Overall GPA 3.12

- Bachelor of Arts in International Affairs, concentrated in Conflict & Security, graduation December 2011
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WORKING PAPERS

- “The Administrative-Level Dataset of European Parliamentary Elections”, with Helen V Milner and Duy Trinh
 - “Spherical Polarization: A measurement approach for compositional data”
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RESEARCH INTERESTS

My broad research interests include (but are not limited to):

- Econometrics
 - Labor Economics
 - Causal Inference
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SKILLS & AFFILIATIONS

•Computer: Advanced level of skill in Stata and R, intermediate proficiency with Python, and basic level of skill in Mathematica, SAS, MATLAB, and Julia for economic and econometric analysis. Experience using BMC Service Desk Express, BMC Remedy ITSM, Maestro, & Tableau 9.0 to track assets and forecast future company needs.

•Training Courses/Conferences Attended:

Audited Ph.D.-Level Formal Coursework at Princeton University (2020 – 2022):

Quantitative Analysis I (POL 571) – Professor: Rocío Titiunik

Quantitative Analysis II (POL 572) – Professor: Marc Ratkovic

Quantitative Analysis III (POL 573) – Professor: John Londregan

Quantitative Analysis IV (POL 574) – Professor: John Londregan

Econometric Theory I (ECO 517) – Professors: Ulrich Müller and Bo Honoré

Econometric Theory II (ECO 518) – Professors: Mark Watson and Mikkel Plagborg-Møller

Princeton CSML DataX Synthetic Control Methods Workshop (Organizers: Matias Cattaneo and Alberto Abadie)

ÊSTIMATE 2021 (Early Summer Tutorial In Modern Applied Tools of Econometrics): (Instructors: Jeff Wooldridge & Tim Vogelsang)

Princeton PICSciE Workshops:

Intro to Data Analysis Using Python

Data Visualization in Python

Intro to Deep Learning with Tensorflow

Getting Started with Transformers for Language Modeling

Stata Conference 2021, 2022

ASSA 2021

Statistical Horizons Workshops/Courses:

Causal Inference in Econometrics (Instructor: Nick Huntington-Klein)

Causal Mediation Analysis (Instructor: Tyler Vanderweele)

Instrumental Variables (Instructor: Felix Elwert)

Missing Data Using R (Instructor: Paul Allison)

Regression Discontinuity Designs (Instructor: Rocío Titiunik)

•Certifications: ITIL Foundation Certification, RACC Certified Research Administrator

- Languages: Conversational German, Conversational Portuguese (Brazilian)
- Member of Texas A&M Economics Society
- Alumni member of Phi Sigma Kappa Fraternity; Lambda Chapter; George Washington University

GRANTS & SCHOLARSHIPS

- TAMU MS Economics Graduate Scholarship
- Texas Aggie Graduate Grant Recipient
- TX Public Education Grant Recipient

PROFESSIONAL EXPERIENCE

Niehaus Center for Globalization & Governance, Princeton University; Research Specialist II	2020 – Present
Texas A&M University Sponsored Research Services; Senior Contract Negotiator	2022 – Present
Contract Negotiator II	2016 - 2022
Contract Negotiator I	2016
The George Washington University; Asset Management Specialist	2013 – 2016

RESEARCH ASSISTANCE PROVIDED PUBLICATIONS

de la Cuesta, Brandon, Lucy Martin, Helen V Milner, and Daniel L Nielson. Forthcoming. “Do Indirect Taxes Bite? How Hiding Taxes Erases Accountability Demands from Citizens”. *The Journal of Politics*

de la Cuesta, Brandon, Lucy Martin, Helen V Milner, and Daniel L Nielson. 2022. “Owning It: Accountability and Citizens’ Ownership over Oil, Aid, and Taxes”. *The Journal of Politics* 84 (1) : 304-320

Mansfield, Edward D, Helen V Milner, and Nita Rudra. 2021. “The Globalization Backlash: Exploring New Perspectives”. *Comparative Political Studies* 54 (13) : 2267-2285.

Milner, Helen V. 2021. “Is Global Capitalism Compatible with Democracy? Inequality, Insecurity, and Interdependence”. *International Studies Quarterly* 65 (4) : 1097-1110

Chaudoin, Stephen, Helen V Milner, and Dustin Tingley. 2021. ““America First” Meets Liberal Internationalism”. *H-Diplo* ISSF Policy Series (America and the World - The Effects of the Trump Presidency).

Malesky, Edmund, and Helen V. Milner. 2021. “Fostering Global Value Chains Through International Agreements: Evidence from Vietnam”. *Economics & Politics* 33 (3) : 443-482.

Milner, Helen V. 2021. “Voting for Populism in Europe: Globalization, Technological Change, and the Extreme Right”. *Comparative Political Studies* 54 (13) : 2286-2320.

Milner, Helen V, and Sondre U. Solstad. 2021. “Technological Change and the International System”. *World Politics* 73 (3) : 545-589.

de la Cuesta, Brandon, Lucy Martin, Helen V Milner, and Daniel L Nielson. 2021. “Foreign Aid, Oil Revenues, and Political Accountability: Evidence from Six Experiments in Ghana and Uganda”. *The Review of International Organizations* 16 (3) : 521-548.

Kim, In Song, and Helen V. Milner. 2021. "Multinational Corporations and their Influence Through Lobbying on Foreign Policy". In *Global Goliaths: Multinational Corporations in a Changing Global Economy*, Washington, DC: The Brookings Institution , p. 497-536.