John Ternovski

CONTACT INFORMATION	john.ternovski@afacademy.af.edu 719-333-3021

ACADEMIC APPOINTMENTS

US Air Force Academy, Colorado Springs, CO   **June, 2022 - present**
Assistant Professor and Analyst, Office of Labor and Economic Analysis

Georgetown University, Washington, DC   **June, 2022 - present**
Affiliate, Georgetown U. Initiative on Innovation Develepment & Evaluation

Georgetown University, Washington, DC   **July, 2021 - June, 2022**
Postdoctoral Fellow, McCourt School of Public Policy

US General Services Administration, Washington, DC   **July, 2021 - June, 2022**
Postdoctoral Fellow (Detailee), Office of Evaluation Sciences

EDUCATION

Yale University

    PhD, Political Science, December 2021 / **MPhil**, January 2020

        Dissertation: *Leveraging New Technologies and Interdisciplinarity to Study Political Behavior, Attitudes, and Beliefs*
        Committee: P. M. Aronow (chair), Joshua Kalla, Gregory A. Huber, David G. Rand
        Fields: Quant. Methods (exam), American Politics (exam), Comparative Politics (courses)

    MA, Statistics, January 2020

        Focus on Machine Learning, High-Dimensional Statistics, and Data Science

Oxford University

    MSc, Social Science of the Internet, November, 2014

        Master's Thesis: When Treatments Are Tweets: A Network Mobilization Experiment Over Twitter (published in *Political Behavior*)

Dartmouth College

    BA *cum laude*, Economics, June, 2009

PAPERS IN PREPARATION

Making Sense of Voting "Habits": Applying the Process Model of Behavior Change to a Series of Large-Scale Get-Out-the-Vote Experiments. Under Review. *Journal of Exerimental Political Science.*

Common Data Quality Metrics May Mask Deeper Data Problems in Online Survey Experiments. (with Jessica Lasky-Fink).

Monetary Incentives Do Not Increase COVID-19 Vaccinations and Can Even Have (Temporary) Negative Spillover Effects. (with Sebastian Jilke, Florian Keppeler, Dominik Vogel, and Erez Yoeli).

The Impact of Trump Tweets and 2016 Victories on Hate Music Listenership (with David Rand).

Deepfake Warnings for Political Videos Increase Disbelief but Do Not Improve Discernment: Evidence from Two Experiments (with P. M. Aronow and Joshua Kalla). 2022, *Journal of Online Trust and Safety.*

A Note on Increases in Inattentive Online Survey-Takers Since 2020 (with Lilla Orr). 2022, *Journal of Quantitative Description: Digital Media.*

Social Influence in Music Listenership: A Natural Experiment on 1.3 Million Last.fm Users (with Taha Yasseri). 2020, *Social Networks.*

Social Pressure and Voting: Field Experiment Conducted in a High-Salience Election (with Todd Rogers, Don Green, and Carolina Ferrerosa-Young). 2017, *Electoral Studies.*

Potential follow-up increases private contributions to public goods. (with Todd Rogers and Erez Yoeli). 2016, *Proceedings of the National Academy of Sciences.*

When Treatments Are Tweets: A Network Mobilization Experiment Over Twitter (with Alexander Coppock and Andrew Guess). 2015, *Political Behavior.*

Department of Homeland Security	**September, 2022 - present**
Analyst (Detailee), Office for Civil Rights and Civil Liberties	
Freelance Consulting,	**April, 2014 − present**
Data and Analytics Consultant	
Mimir Analytics LLC, New Haven, CT	**April, 2016 - June, 2022**
Principal and Founder	
Yale University, New Haven, CT	**December, 2020 − June, 2021**
Quantitative Graduate Researcher, Dept. of Political Science	
Harvard Kennedy School, Cambridge, MA	**July, 2014 − December, 2017**
Senior Research Fellow, Student Social Support R&D Lab	
Analyst Institute, Washington, DC	
Senior Technical Advisor	**October, 2013 − July, 2014**
Director of Analytics	**October, 2011 − October, 2013**
Lead Analyst	**February, 2010 − October 2011**
Analyst	**July, 2009 − February 2010**
Air Force Research Lab, Hanscomb, MA	**March, 2008 − June, 2008**
Associate Scientist, General Dynamics	

MANSKI_CI - A Stata package that uses Manski type bounds (Manski 2003) to calculate confidence intervals around a treatment variables' regression coefficient in a (covariate-adjusted) regression.

NONPARMDE - A Stata package to calculate the minimum detectable effect (MDE) using nonparametric estimators. (Developed with Joel Middleton.)

RANDOMIZR – A Stata package with a suite of random assignment commands including complete, block, cluster, and cluster+block random assignment. (Developed with Alexander Coppock.)

RANDINF - A Stata package for conducting Fischer Randomization Tests on block-randomized experiments.

STRATARAND - A Stata package that conducts blocked random assignment for equally and

unequally sized treatment groups.

XVALOLS - A Stata package that performs crossvalidation of OLS regressions. (Developed with Joel Middleton.)

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<tr><td>INVITED TALKS</td><td>

McCourt/OES Agency Evaluation Partnerships Presented at the *Evaluation Officer Council Meeting*. Hosted by the Office of Management and Budget within the Executive Office of the President of the United States. Virtual. May, 2022.

Detecting DeepFakes and Coordinated Inauthentic Behavior Presented at the *Yale Cyber Leadership Forum*. Hosted by Yale University, New Haven, CT. March, 2022.

Why is Data Important to Winning Campaigns?
Hosted by the Australian Conservation Foundation. Virtual. October, 2020.

Persuasion on Twitter: Two Online Petition Experiments.
Presented at *May Analyst Group Meeting: Social Networks*. Hosted by Analyst Institute, Washington, DC. May, 2015.

Canvasser Experiment Workshop.
Hosted by Swedish Social Democratic Party Headquarters, Stockholm, Sweden. May, 2014.

Intro to Experiments.
Presented at *Intermediate Data Boot Camp*, with Josh Rosmarin. Hosted by New Organizing Institute, Washington, DC. August, 2013.

Thinking like an Analyst.
Presented at *Advanced Data Boot Camp*, with Emily Norman. Hosted by New Organizing Institute, Washington, DC. July, 2013,

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<tr><td>CONFERENCE PRESENTATIONS</td><td>

Common Data Quality Metrics May Mask Deeper Data Problems in Online Survey Experiments.
Presented at *The 13th International Conference on Social Informatics (SocInfo2022)*. Hosted by University of Glasgow's Adam Smith Business School and Computer Science School. Glasgow, UK, October, 2022.

The Impact of Trump Tweets and 2016 Victories on Hate Music Listenership
Presented at *A Joint Sunbelt and NetSci Conference (Networks 2021)*. Hosted by The Pennsylvania State University. Virtual. July, 2021.
Presented at *14th Annual Political Networks Conference (PolNet 2021)*. Hosted by Indiana University Network Science Institute. Virtual. July, 2021.

Deepfake Warnings for Political Videos Increase Disbelief but Do Not Improve Discernment Presented at *2021 Harvard Experimental Political Science Conference*. Hosted by Harvard University. Virtual. April, 2021.

Social Influence in Music Listenership: A Natural Experiment on 1.3 Million Last.fm Users. Presented at *Ninth International Conference on Complex Systems 2018 (ICCS 2018)*, with Taha Yasseri. Hosted by New England Complex Systems Institute, Cambridge, MA. July, 2018.

Successful Researcher-Practitioner RCT Partnership: Increasing Attendance by 15,000 Days. Presented at *Society for Research on Educational Effectiveness, Lost in Translation: Building Pathways from Knowledge to Action*, with Todd Rogers, Tonya Wolford, Avi Feller, and Shruthi

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Subramanyam. Hosted by Education Northwest, Washington, DC. March, 2016.

Introduction to Stata Training Series.
Hosted by Student Social Support R&D Lab Harvard Kennedy School, Cambridge, MA. 2015-2016.

Challenges to inferring causality from viral information dispersion in dynamic social networks. Presented at *SPIE 9097, Cyber Sensing 2014.* Hosted by SPIE, Baltimore, MD. June, 2014.

Challenges and Limitations of Contemporary Experimental Designs in Dynamic Social Networks. Presented at *6th Annual Political Networks Conference (PolNet 2013).* Hosted by Indiana University, Bloomington, IN. June, 2013.

Fundamentals of Experiments Annual Training Series.
Founder and Organizer. Hosted by Analyst Institute, Washington, DC. 2013-2014.

PROFESSIONAL SERVICE

Reviewer for *Proceedings of the National Academy of Sciences*, *American Political Science Review*, *Journal of Politics*, *Political Behavior*

Senior Program Committee (as meta-reviewer)
    Social Informatics Conference (*SocInf 2022*, Glasgow, UK)

Program Committee (as reviewer)
    Digital Transformation and Global Society (*DTGS 2021*, St. Petersburg, Russia)
    Social Informatics Conference (*SocInf 2020*, Pisa, Italy)
    Social Informatics Conference (*SocInf 2018*, St. Petersburg, Russia)
    Network Science Conference (*NetSci2017*, Indianapolis, Indiana)
    Social Informatics Conference (*SocInf 2017*, Oxford, UK)

Conference Session Chair
    Social Informatics Conference (Disinformation Session) (*SocInf 2022*, Glasgow, UK)

TEACHING EXPERIENCE

Assistant Professor, US Air Force Academy, Political Science

American Government, Politics, and National Security – instructor of record of 1 section, Fall 2022

Teaching Fellow, Yale University, Political Science

Introduction to US Government – led two discussion sections and gave an optional guest lecture
Power, Security, and Surveillance: Political Challenges of the Computer Age – led two discussion sections
Measuring Impact and Opinion Change – gave optional guest lecture
Politics of The Wire – led two discussion sections and gave optional guest lecture

GRANTS AND FELLOWSHIPS

2020 NSF/APSA Doctoral Dissertation Improvement Grant (DDRIG) as PI - $15,000 *(a total of twenty awarded)*

Samuel Thorpe Jones and Charles Jones Fellowship - 2020-2021; Yale