

# VITO D'ORAZIO

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January 23, 2018  
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## Employment

University of Texas at Dallas, School of Economic, Political, and Policy Sciences  
Assistant Professor of Political Science (August 2015 – Present)  
Harvard University, Institute for Quantitative Social Science  
Postdoctoral Researcher (January 2014 – June 2015)  
Visiting Research Fellow (July 2013 – December 2013)

## Education

Pennsylvania State University	Political Science	Ph.D.	2013
Pennsylvania State University	Political Science	M.A.	2010
Binghamton University	Political Science	B.A.	2008

## Achievements in Original Investigation

### *Peer-Reviewed Journal Publications*

2016. “Crowdsourcing the Measurement of Interstate Conflict” (with Michael Kenwick, Matthew Lane, Glenn Palmer, and David Reitter). *PLOS ONE* 11(6): e0156527. doi:10.1371/journal.pone.0156527.

2015. “Kickoff to Conflict: A Sequence Analysis of Intra-State Conflict Preceding Event Structures” (with James Yonamine). *PLOS ONE* 10(5): e0122472. doi:10.1371/journal.pone.0122472.

2015. “The MID4 Data Set, 2002-2010: Procedures, Coding Rules, and Description” (with Glenn Palmer, Michael Kenwick, and Matthew Lane). *Conflict Management and Peace Science* 32(2): 222-242.

2014. “Separating the Wheat from the Chaff: Applications of Automated Document Classification Using Support Vector Machines” (with Steven Landis, Glenn Palmer, and Philip Schrodt). *Political Analysis* 22(2): 224-242.

– Reprinted in *Advances in Political Methodology* by Robert Franzese Jr. (ed). Northampton, MA: Edward Elgar Publishing

– Included in *Political Analysis* Virtual Issue 10, “Recent Innovations in Text Analysis for Social Science”

2012. “War Games: North Korea’s Reaction to US and South Korean Military Exercises.” *Journal of East Asian Studies* 12(2): 275-294.

### *Peer-Reviewed Conference Publications*

2017. “RePAIR: Recommend Political Actors in Real-time From News Websites” (with Mohuiddin Solaimani, Sayeed Salam, Latifur Khan, and Patrick Brandt). Forthcoming in IEEE Big Data.

2017. “Automatic Political Actor Recommendation in Real-Time” (with Mohuiddin Solaimani, Sayeed Salam, Latifur Khan, and Patrick Brandt). In: Lee D., Lin YR., Osgood N., Thomson R. (eds) Social, Cultural, and Behavioral Modeling. SBP-BRiMS 2017. Lecture Notes in Computer Science, vol 10354. Springer, Cham.

2015. “Error-Correction and Aggregation in Crowd-Sourcing of Geopolitical Incident Information” (with Alexander Ororbia, Yang Xu, and David Reitter) In: Agarwal N., Xu K., Osgood N. (eds) Social Computing, Behavioral-Cultural Modeling, and Prediction. SBP 2015. Lecture Notes in Computer Science, vol 9021. Springer, Cham.

2014. “Statistical Modeling by Gesture: A Graphical, Browser-based Statistical Interface for Data Repositories” (with James Honaker). *Extended Proceedings of ACM Hypertext 2014*.

### *Articles Submitted for Publication*

“Who is a Terrorist? Ethnicity, Group Affiliation, and Understandings of Political Violence” (with Idean Salehyan).

“Buying Blue Helmets: Foreign Aid and the Construction of UN Peacekeeping Missions” (with Andrew Boutton).

“Updating the Militarized Interstate Dispute Data: A Response to Gibler, Miller, and Little” (with Glenn Palmer and Michael Kenwick).

### *Original software*

*TwoRavens* (with James Honaker). System of interlocking statistical tools for data exploration, analysis, and meta-analysis. Deployed on Harvard’s Dataverse 2015. [Website](#). [Github](#).

*PreText*. Software for the representation and automated classification of text. [Github](#).

### *Research in Progress*

“An Experimental Analysis of Crowdsourcing Designs for Social Science Data Collection” (with Michael Kenwick, Matthew Kelly, Glenn Palmer, David Reitter, and Zhanna Terechshenko).

“Differential Privacy for Social Science Inference” (with James Honaker and Gary King).

“Estimating Political Risk from Machine-coded Event Data” (with Clint Peinhardt and Alero Akporiaye).

“Constraining Cooperation: Military Integration and Government Repression.”

## External Funding for Original Investigations

- 2017 - 2021 *TwoRavens: Intuitive Statistical Exploration, Model Extraction, and Curation*  
DARPA Data-Driven Discovery of Models Program (\$1,700,000)  
Role: Co-PI (\$348,166 to UTD)  
Collaborators: James Honaker (Harvard)
- 2015 - 2018 *Updating the Militarized Dispute Data Through Crowdsourcing: MID5*  
National Science Foundation # SBE-SES-1528624 (\$1,057,785)  
Role: Principal Investigator (\$367,432 to UTD)  
Collaborators: Glenn Palmer, David Reitter (Penn State)
- 2015 - 2018 *Modernizing Political Event Data for Big Data Social Science Research*  
National Science Foundation # SBE-SMA-1539302 (\$1,497,358)  
Role: Senior Personnel  
Collaborators: Patrick Brandt, Jennifer Holmes, Latifur Khan, Vincent Ng (UTD)
- 2017 - 2018 *Spark-based Political Event Coding*  
National Science Foundation # TG-SES-170012 (630,720 SUs)  
XSEDE resource allocation estimated by NSF at \$105,267  
Role: Co-PI  
Collaborators: Patrick Brandt, Latifur Khan, (UTD)

## Lectures, Presentations, and Workshops

### *Invited Lectures, Presentations, and Workshops*

- 2017 Harvard University, Privacy Tools for Sharing Research Data Workshop  
London School of Economics, Transnational Conflict Data Workshop  
Harvard University, Dataverse Community Meeting  
Ohio State University, Democracy, the State, and Protest
- 2016 Baylor University, Texas Digital Library Data Symposium  
Harvard University, Dataverse Community Meeting  
Political Instability Task Force, Machine-Learning and Automated Data Collection  
University of Texas at Dallas, Seventh Conference on Political Violence and Policy  
University of Houston, Political Economy of Risk Conference  
Pennsylvania State University, Militarized Interstate Dispute Workshop  
University of Central Florida, Department of Political Science
- 2015 University of Texas at Dallas, Event Data Workshop  
Harvard University, Dataverse Community Meeting  
University of Navarra (Spain), Economics, Leadership, and Governance Program
- 2014 University of Texas at Dallas, School of Economic, Political, and Policy Studies  
University of Exeter (United Kingdom), Department of Politics  
Wesleyan University, Quantitative Analysis Center  
University of California at Davis, Militarized Interstate Dispute Workshop  
Political Instability Task Force Winter Workshop  
Kansas State University, Department of Political Science

*Conference Participation–Presentations*

American Political Science Association	2011, 2012 (conference canceled), 2013 (poster), 2015
Peace Science Society	2010 (poster), 2012, 2013, 2014 (workshop), 2015 (poster), 2016
International Studies Association	2011, 2013, 2014, 2017
Political Methodology	2012 (poster), 2015, 2017 (poster)
Midwest Political Science Association	2010, 2011, 2012, 2015, 2017, 2018
Texas Triangle	2016, 2017
APSA Teaching and Learning	2016
Peace Science Society (Asia)	2016

*Conference Participation–Discussant*

International Studies Association	2014
Midwest Political Science Association	2015, 2017
St. Louis Area Methods Meeting	2018

**Teaching**

*Classroom teaching—University of Texas at Dallas*

2015, Fall, PSCI 3328, International Relations  
2016, Spring, EPPS 7V81, Concepts and Measurement  
2016, Fall, PSCI 7330, International Conflict  
2016, Fall, PSCI 3328, International Relations  
2017, Spring, EPPS 6316, Applied Regression  
2017, Fall, PSCI 4302, Data and Policy  
2017, Fall, PSCI 3328, International Relations

*Classroom teaching—University of Navarra*

2015, Winter, Scientific Study of International Relations (2 week course)

*Classroom teaching—Pennsylvania State University*

2012, Summer, Introduction to International Relations

*Doctoral advisement/direction:*

Austin Kingsolver	Proposal defended Summer 2017 Polarization and the Supreme Court
Randell Torno	Proposal defended Spring 2017 The Arc of Conflict: Three Articles on the “Life” of a Conflict
Aaron Lebo	Proposal defended Spring 2017 Information Competition and Social Media Networks

## Service

### *Journal Reviewer*

American Journal of Political Science, Conflict Management and Peace Science, F1000 Research, International Studies Quarterly, International Studies Review, Journal of Conflict Resolution, Journal of East Asian Studies, Journal of Peace Research, PLOS ONE, Political Analysis, Political Research Quarterly, Research and Politics

### *Grant Reviewer*

Sloan Foundation, 2017

### *University and Department Service—University of Texas at Dallas*

Committee Member, Methodological Qualifying Exam, 2017–present  
Ad Hoc Committee Member, Peace and Conflict Studies concentration, 2015–present  
Outside Chair, Dissertation in Arts and Technology, Spring 2017

### *University and Department Service—Penn State University*

President, Graduate Association of Political Science (2011-2012)  
Founder and Organizer, Political Methodology Brown Bag (2011-2012)

## Awards

2013 - 2014, *Using Crowdsourcing To Measure Complex Social Concepts: A Pilot Study*. Vito D’Orazio, Glenn Palmer, David Reitter, and Michael Schmierbach. Social Science Research Institute at Penn State (\$20,000).

2012. Dissertation support grant. College of Liberal Arts at Penn State (\$2,000).

2011 - 2012. Predoctoral Fellowship. Quantitative Social Science Initiative, Penn State University.

2012. Summer Graduate Research Award. Department of Political Science, Penn State University.

2011. ISA Travel Grant awarded for *War Games*. International Studies Association.

2008 - 2009. Florence and Angelo Paterno Graduate Fellowship. Department of Political Science, Penn State University.

## Graduate and Undergraduate Research Experience

2012–2013	Joseph Wright	Regional Dynamics and Regime Disruption in Dictatorships
2009–2011	Glenn Palmer	Militarized Interstate Dispute 4 Project
Summer 2010	Philip Schrodt	Integrated Crisis Early Warning Systems
Spring 2007	David Cingranelli	CIRI Human Rights Dataset

## **Additional Training**

*University of Michigan, ICPSR*  
Game Theory I and II (Summer 2009)

*Binghamton University, Middle East and North African Program*  
Certificate in Middle Eastern and North African Studies (Spring 2008)

*Al Akhawayn University, Intensive Arabic Summer Program*  
Intermediate Arabic (Summer 2007)