Eric T. Dunford

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CURRENT POSITION

8/2018 - Present **Associate Director,** Masters of Science in Data Science for Public Policy, McCourt School of Public Policy, Georgetown University.

8/2018 - Present **Assistant Teaching Professor,** McCourt School of Public Policy, Georgetown University.

EDUCATION

Ph.D.	Political Science, University of Maryland, College Park	2018
MA	Political Science, University of Maryland, College Park	2016
BA	Political Science, Beloit College	2010

PUBLICATIONS

2017 "Integrating Conflict Event Data" (With Karsten Donnay, Erin McGrath, David Cunningham, and David Backer). *Journal of Conflict Resolution*.

2017 "Cultural Imprinting, Institutions, and the Organization of New Firms" (with David Waguespack and Johanna K. Birnir). *Strategic Science*.

2017 "The Geography of Organized Armed Violence Around the World" (with Erik Melander and David Backer). Forthcoming in *Peace and Conflict 2017,* Routledge.

2014 "A Voice in the Process: A Cross-National Look at Ethnic Inclusion and Economic Growth in the World." (With Johanna K. Birnir.) *Development*. 57(2).

WORKING PAPERS

"Measuring Tactical Variation within Violent Non-state Organizations" (Under Review)

"An Integrated Picture: the Impact of Integrating Conflict Data in Africa" (with David Cunningham)

"Predicting Election-related Violence" "(with David Cunningham, Karsten Donnay, David Backer and Erin McGrath)

"Precisely the Point: the consequences of ignoring geo-spatial precision in event data and what to do about it"

"A Break from the Past: why mapping deviations in diplomatic networks reveal shifts in foreign policy strategies" (with Michael Joseph)

SOFTWARE DEVELOPMENT

MELTT: Merging Event Data by Location, Time, and Type, (with Karsten Donnay) *R* package that offers a methodology for systematically integrating disparate geospatial event data by leveraging information on spatio-temporal co-occurrence and event-specific metadata.

PRESENTATIONS

2018 *Advancing Measurement in the Study of Conflict and Political Violence*, Preconference Workshop, Peace Science Society, Annual Meeting (Fall)

2017 *A Break from the Past: why mapping deviations in diplomatic networks reveals shifts in foreign policy strategies*, International Studies Association, Annual Meeting (Spring) & Peace Science Society, Annual Meeting (Fall)

2016 *An Automated Aggregation of Geo-coded Violent and Non-violent Conflict Events*, Peace Science Society, Annual Meeting (Fall)

2016 *Integrating African Conflict Event Data*, American Political Science Association, Annual Meeting (Fall)

2016 *MELTT: Matching Event Data by Location, Time, and Type,* The Society for Political Methodology, Summer Meeting (Poster)

2016 *MELTT: Matching Event Data by Location, Time, and Type*, Midwest Political Science Association, Annual Meeting (Spring)

2015 *Providing to Compete: An Examination of Social Welfare Provisions by Regime Change Movements*, Midwest Political Science Association, Annual Meeting (Spring)

TEACHING

Instructor

2018 PPOL564: Foundations of Data Science, McCourt School of Public Policy, Georgetown University

2015-2017 R Programing: Web-scraping, Regular Expressions, and Structuring Unstructured Data (UMD GVPT Political Methodology Subfield and Graduate Student Association Methodology Workshops)

Teaching Assistant

2018 BSOS Math Camp, University of Maryland, College Park

2018 Multilevel Models: Introduction and Application, ICPSR, University of Michigan, Ann Arbor

2017 Multilevel Models: Introduction and Application, ICPSR, University of Michigan, Ann Arbor

2014 GVPT289A - "Appetite for Change: The Global Politics of Food", University of Maryland, College Park

2013 GVPT289F - "Does Democracy Have a Future?", University of Maryland, College Park

WORKSHOPS & SHORT COURSES

2018 *A Crash Course in Statistical Computing*
Short Course
College of Behavioral and Social Sciences
University of Maryland, College Park (Fall)

2017 *Applied Statistics and Data Management in R*
Short Course
Smith School of Business,
University of Maryland, College Park (Fall)

2017 *Tools and Best Practices for Integrating Spatial Data*
APSA Short Course (co-taught with Karsten Donnay and Andrew Linke)
American Political Science Association, Annual Meeting (Fall)

2017 *An Introduction To Statistical Programing In R: A short course on processing, analyzing, and visualizing data in R*
Short Course
Creative Associates International, Washington DC (Spring)

2017 *The ABC's of Bayesian Estimation in R*
University of Maryland, College Park (Spring)

2016 *Learning R Programming*
Short Course
Department of Government and Politics,
University of Maryland, College Park (Fall)

2016 *Web-scrapping and Automated Data Process in R*
University of Iceland, Reykjavik (Spring)

2016 *Web-scrapping and Automated Data Process in R*
University of Maryland, College Park (Spring)

2015 *Functional Programming in R – Intermediate R*
University of Maryland, College Park (Fall)

2015 *Real-Time Modeling of Social Protest: Ferguson, Twitter, and the Opacity of Social Media Data*, University of Maryland, College Park (Spring)

RESEARCH ASSISTANCE

2015 - 2018 National Science Foundation. "INSPIRE Track 2: Computational Modeling of Grievances and Political Instability through Global Media." Under the direction of David Backer and David Cunningham

HONORS

2018 University of Maryland GVPT Methods Field Funds
2017-2018 Graduate Fellow – Ed Snider Center for Enterprise and Markets, Smith School of Business, University of Maryland, Collage Park
2017 Summer Research Funds, University of Maryland ($5000)
2016 Research Field Funds, University of Maryland ($2000)
2016 Empirical Implications of Theoretical Models (EITM) Participant
2016 Summer Research Fellowship – University of Maryland Graduate School ($5000)
2016 National Science Foundation Travel Funds (Political Methodology)
2015 Empirical Implications of Theoretical Models (EITM) Certified
2015 Clifford C. Clogg Scholarship (ICPSR) (ICPSR Tuition and Fees)
2015 National Science Foundation Graduate Research Fellowship (Honorable Mention)
2015 University of Maryland GVPT Methods Field Funds ($3000)
2014 University of Maryland GVPT Comparative Field Funds ($4000)

RELEVANT SKILLS

Programing: R; Python; C++
Databases: SQL; Hadoop; MongoDB
Visualization: R; Python; Tableau; Illustrator