

TREY BILLING

t.billing@acleddata.com

PROFESSIONAL EXPERIENCE

- CURRENT **Armed Conflict Location & Event Data (ACLED)**
PRINCIPAL DATA SCIENTIST
- JUN 2020 - APR 2022 **The Ohio State University**
MERSHON CENTER FOR INTERNATIONAL SECURITY STUDIES
Post-Doctoral Fellow, Recovering from Violence Research Cluster

EDUCATION

- MAY 2020 **University of Maryland, College Park**
PhD, GOVERNMENT AND POLITICS
Comparative Politics | Methodology
- DEC 2016 **University of Maryland, College Park**
MA, GOVERNMENT AND POLITICS
- DEC 2013 **University of Dayton**
BA, *summa cum laude*
Major: Economics | Minor: Political Science

PUBLICATIONS

- LEMONADE: A large multilingual expert-annotated abstractive event dataset for the real world, with Sina Semnani, Pingyue Zhang, Wanyue Zhai, Haozhuo Li, Ryan Beauchamp, Katayoun Kishi, Manling Li, and Monica Lam (2025), [Findings of the Association for Computational Linguistics](#).
- How Radio Affects Violent Conflict: New Evidence from Rwanda, with Hollie Nyseth Nzitatira and Jared Edgerton (2024), [American Sociological Review](#).
— Co-winner, Best Paper in the American Sociological Association's Section on the Sociology of Human Rights
- Truth Commissions and Atrocity Prevention, with Kerry Wigham and Hollie Nyseth Nzitatira (2024), [International Journal of Transitional Justice](#).
- Predicting the Prevalence of Acute Malnutrition Using Climate and Conflict as Leading Indicators, with David Backer (2024), [World Development](#)
- Conflict and climate factors and the risk of child acute malnutrition among children aged 24–59 months: a comparative analysis of Kenya, Nigeria, and Uganda, with Kathryn Grace, Andrew Verdin, Molly Brown, Maryia Bakhtsiyarava, and David Backer (2022), [Spatial Demography](#).
- Can Considering Climate and Conflict Conditions Together Enable Timely, Targeted Food Security Interventions to Limit Child Acute Malnutrition in Fragile Settings?, with Molly Brown, Kathryn Grace, and David Backer (2021), [The Lancet Planetary Health](#).
- Validating Famine Early Warning Systems Network Projections of Food Security in Africa, 2009–2020, with David Backer (2021), [Global Food Security](#).
- Visualizing Trends in Food Security Across Africa, 2009–2020: Data and Animations at a Grid-cell Level, with David Backer (2021), [Data in Brief](#).
- Empirical Studies of Factors Associated with Child Malnutrition: Highlighting the Evidence About Climate and Conflict Shocks, with Molly Brown, David Backer, Peter White, Kathryn Grace, Paul

Huth, and Shannon Doocy (2020), [Food Security](#).

Government Fragmentation, Administrative Capacity, and Public Goods: the Negative Consequences of Reform in Burkina Faso (2019), [Political Research Quarterly](#).

Conflicted Capital: The Effect of Civil Conflict on Patterns of BIT Signing, with Andrew D. Lugg (2019), [Journal of Conflict Resolution](#).

— Winner of 2017-2018 Don C. Piper Award for best graduate student paper

RESEARCH EXPERIENCE

Jan 2019-Jan 2021	Modelling Early Risk Indicators to Anticipate Malnutrition Research Associate, Center for Intl. Development and Conflict Mgmt. (CIDCM) DfID and Action Against Hunger grant
May 2018-Dec 2019	Identifying Congressional Reformers Data Science Consultant, R Street Institute via Hewlitt Foundation Grant
Aug 2017-Dec 2018	Center for Intl. Development and Conflict Mgmt. (CIDCM) Research Assistant, <i>Aiding Resilience</i> Minerva grant & USAID Alert List
NOV 2016-JAN 2017	United States Agency for International Development (USAID) Academic consultant for The Mitchell Group
MAY-AUG 2015	National Consortium for the Study of Terrorism and Responses to Terrorism (START) Research Assistant, INSPIRE project

TEACHING EXPERIENCE

PREVIOUS	Introduction to Data Science McCourt School of Public Policy, Georgetown University Teaching Associate
	Religion, Beliefs, and World Affairs Teaching Assistant to Dr. John McCauley
	Politics of the Developing World Teaching Assistant to Dr. John McCauley Lectures given on <i>Conflict and Development</i> and <i>The State and Development</i>
	International Negotiations Teaching Assistant to Dr. Guy Ziv

FELLOWSHIPS AND AWARDS

Ann G. Wylie Semester Dissertation Fellowship, University of Maryland, College Park, 2019

Excellence in Teaching Award, Graduate Teaching Assistant in the College of Behavioral and Social Sciences, University of Maryland, College Park, 2018

Graduate Student Summer Research Fellowship, University of Maryland, College Park, 2018

Don C. Piper Award for best graduate student paper, *Conflicted Capital* (with Andrew D. Lugg), 2018

Comparative Politics Subfield Research Grant, University of Maryland, College Park, 2017

Dean's Fellowship, University of Maryland, College Park, 2014-2019

CONFERENCE PRESENTATIONS, WORKSHOPS, AND TALKS

OCT 2020	Midwest Workshop in Empirical Political Science (MWEPS V) The Paradoxical Effects of Terrorist Attacks on Democratic Preferences Columbus, Ohio
APR 2018	Midwest Political Science Association Annual Conference A Conjoint Equilibrium Model of the Demand for Aid Chicago, Illinois
NOV 2017	Methods Workshop University of Maryland Department of Government and Politics Causal Inference Using Conjoint Experiments
OCT 2017	Comparative Politics Workshop University of Maryland Department of Government and Politics How Government Fragmentation Weakens the Public Goods Provision
SEP 2017	American Political Science Association Annual Conference How Conflict Affects the Distribution of Aid San Francisco, California
SEP 2017	American Political Science Association Annual Conference Methods and Standards in the Analysis of Subnational Development Aid Data San Francisco, California (non-presenting coauthor)
APR 2017	Midwest Political Science Association Annual Conference Agency Slack and the Distribution of World Bank Projects in Africa Chicago, Illinois
FEB 2017	Methods Workshop University of Maryland Department of Government and Politics Introduction to spatial data and GIS
JAN 2017	The Political Economy of International Organizations The Effect of Civil Conflict on Patterns of BIT Signing University of Bern, Switzerland (non-presenting coauthor)
MAR 2016	Methods Workshop University of Maryland Department of Government and Politics Introduction to document processing with \LaTeX and Knitr
FEB 2016	IR/CIDCM Workshop University of Maryland Department of Government and Politics Bilateral Investment Treaties and Post-Conflict Economic Recovery

SERVICE

REVIEWER	American Political Science Review, Journal of Conflict Resolution, Journal of Politics, International Studies Quarterly, European Journal of International Relations, Terrorism and Political Violence, Politics and Governance
DISCUSSANT	University of Maryland Comparative Politics Workshop (2015, 2016, 2018, 2019)
COORDINATOR	University of Maryland Department of GSA Methods Workshop Series, 2016-2017
CO-CHAIR	University of Maryland Department of GSA Social Division, 2015-2016

SKILLS AND EXPERIENCE

FIELDWORK	Uganda (2018)	Experimental survey, elite interviews, focus groups
	Ghana (2017)	Experimental survey
	Burkina Faso (2017)	Administrative data collection, elite interviews
METHODS	Computing:	Python, R, Cloud computing, SQL, GIS
	Competencies:	Regression, Bayesian models, Hierarchical models, Machine learning, Spatial methods, Survey experiments, Causal inference, Forecasting, Transformers, LLMs