

# EVANGELINE REYNOLDS

LAST POSITION      Data Manager, Dean's Data Cell Department of Mathematical Sciences, Assistant Professor  
40 hr per week  
US Military Academy, from 2020-2023

EDUCATION        PhD 2016, University of Illinois, Urbana-Champaign  
Dissertation Title: "Supranational Law and Compliance"  
Chair: Xinyuan Dai  
Committee members: Paul Diehl, Brian Gaines, Matthew Winters

BS 2004, Wheaton College, Magna Cum Laude  
Majors: Chemistry & Spanish  
Minors: International Relations & Music

PREVIOUS POSITIONS      Visiting Assistant Professor, Korbel School of International Studies, University of Denver, 2018-2020  
Lecturer, Technische Universität Dresden, 2017-2018  
Consulting Analyst, University of California Davis, contract, 2017-2018  
License Officer, US Department of Commerce 2005-2007  
Laboratory Assistant, Argonne National Laboratory 2004-2005

RESEARCH AND TEACHING INTERESTS      Political Methodology  
*Data Visualization, Causal and Randomization Inference, Text Analysis, Panel and TSCS Data Analysis, Reproducibility, Human-Computer Interaction*

International Relations  
*International Organizations, International Law and Compliance, International Security*

Comparative Politics  
*Latin American Politics*

AWARDS            R Consortium Grant, 2019-2020

Best Dissertation in Political Science 2015/2016 at the University of Illinois, Kathleen L. Burkholder Prize

Lemann Institute Collaborative Research Grant, 2015 with Amâncio Jorge Silva Nunes de Oliveira and Matthew S. Winters

University of Illinois 'Incomplete' List of Teachers Ranked as Excellent by their Students, Spring 2012, Fall 2016

Nelle M. Signor Graduate Scholarship for field research in International Relations, Fall 2011

Foreign Language and Area Studies Fellowship, Summer 2009 - Salvador, Brazil and academic years 2009-2010 & 2010-2011

Fulbright Argentina Country Program, March-December, 2008

National Security Education Program Scholarship, for study in Chile, 2003

- PUBLICATIONS
- E. Reynolds, A. Oliveira, J. Onuki, and M. Winters. 2017. *Attitudes Toward Consent-Based and Non-Consent-Based International Law in a Regional Power Context*, International Interactions.
- E. Reynolds and M. Winters. 2016. *Foreign Aid Funnel? A Placebo-Based Assessment of Aid Flows to Non-Permanent U.N. Security Council Members*, Research and Politics.
- D. Abraham, E. Reynolds, P. Schultz, A. Jansen, and D. Dees. 2006. *Temperature Dependence of Capacity and Impedance Data from Fresh and Aged High-Power Lithium-Ion Cells*, Journal of Electrochemical Society, 153(8): A1610-A1616.
- D. Abraham, E. Reynolds, E. Sammann, A. Jansen, D. Dees. 2005. *Aging Characteristics of High-Power Lithium-Ion Cells with  $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$  and  $\text{Li}_{4/3}\text{Ti}_{5/3}\text{O}_4$  electrodes*, Electrochimica Acta 51(3): 502-510.
- TEXTBOOK
- The R Flipbook Textbook: A introduction to data manipulation, visualization, and statistical analysis with dynamic examples* under development
- SELECTED WORKING PAPERS
- Flipbooks: presenting incremental, side-by-side, aligned code-output evolution*
- Shallow Fakes: Assessing the potential for spoofing and faking in data visualization and what to do about it*
- Reputation, participation, and compliance on the UN Security Council*
- How much do fake international obligations matter? Testing false-positive rates in dyadic difference-in-difference designs using synthetic interventions*
- TOOL AND RESOURCE DEVELOPMENT
- [Flipbooks](#) are new tools for presenting side-by-side, aligned, incremental code-output evolution via automated code parsing and reconstruction, a concept I developed with colleagues in 2018.
- My R package, [flipbookr](#) (2019), helps other easily and reliably create their own flipbooks.
- Examples of flipbooks that clarify tools and concepts: [the ggplot flipbook](#) | [A ggplot2 grammar guide](#). | [The Tidyverse in Action](#) | [a data.table flipbook](#) | [DHondt/Jefferson Allocation](#) | [Galton Board](#) | [racing barchart](#) | [#TidyTuesday walk through](#) | [leaflet for R \(interactive maps\)](#) | [a data cleaning flipbook](#) | [Accessing the World Bank's country indicators](#)
- Selected guide development
- A companion guide to 'How to write an R package in 20 minutes'*, 2019
- The how-to of reproducibility: A minimal example taking you from raw data to paper and presentation*, 2018
- A Step-By-Step Introduction to L<sup>A</sup>T<sub>E</sub>X*, 2015
- Introduction to Reproducible Research with RStudio, for Applied Technologies of the Arts and Science 2015*

RECENT TALKS AND CONFERENCE PRESENTATIONS *Flipbooks: Helping people make sense of code by presenting it step-by-step and side-by-side with its output*, RStudio Conference, January 2020 / Max Plank Institute for Biology, Dresden Germany, December 2020.

*Is it time to rethinking how we teach the grammar of graphics with ggplot2?*, RLadies Denver, November 2019

*Toward a reproducible workflow*, Korbelt PhD Student Professionalization Series, October 2019

*A ggplot2 grammar guide*, Technische Universität, Dresden, Germany, August 2019 / The Max Planck Institute for Biology, Dresden, July 2019

*Shallow fakes: Assessing the potential for spoofing and faking in data visualization and what to do about it*, Korbelt School of International Studies Research Seminar, May 2019

*Much Obligated: Reputation, Participation, Compliance, and the UN Security Council*, Political Methodology Conference, 2018

*RI for IR (Randomization Inference in International Relations Research)*, Lorentz Center, Leiden University, 2018

*How Much Does Fictitious International Law ‘Matter’?*, with Brian Gaines, American Political Science Association, 2017

RECENT WORKSHOP ATTENDANCE RStudio Conference, Workshop: RMarkdown and Interactive Dashboards, 2020  
Empirical Research on International Organizations, Lorentz Center, Leiden, Netherlands, 2018  
Zurich Summer School for Women in Political Methodology, 2017  
Berkeley Initiative for Transparency in the Social Sciences, 2015

SOFTWARE R, Stata, SPSS, Git, L<sup>A</sup>T<sub>E</sub>X, Markdown, Tableau, Excel

LANGUAGES English — native, Spanish — fluent, Portuguese — fluent, German — intermediate

SERVICE AND AFFILIATIONS Cofounder [RLadies Denver](#), 2019-present  
Member/Presenter [Denver R Users Group](#), 2018-present  
Peer Review  
American Journal of Political Science  
International Interactions

TEACHING EXPERIENCE Courses at University of Denver  
Defense and Security Quantitative Analysis  
Data Science for International Relations  
Defense and Security Methods  
Data Visualization (Spring 2020)

Courses at Technische Universität Dresden

International Organization and Regimes, 2018, 2017

Introduction to Data Science and Statistics for Political Analysis 2018

Selected Teaching Assistantships at University of Illinois

Research Design, PS 522 (Graduate Level) with James Kuklinski, 2015

Quantitative Political Analysis I, PS 530 (Graduate Level) with Brian Gaines, 2015

Statistical Methods Teaching Support, Research Design PS 199 with James Kuklinski, 2015

Statistical Methods Teaching Support, PS 495/496 with Senior Honors Seminar/Senior Thesis, Jeffery Mondak, 2015

COMMUNITY  
ACTIVITIES

Co-founder *RLadies* Denver, 2019

Choir member *The Spirituals Project* of Denver, 2018

English language tutor *Nachhilfe GBZ Emmaus* Dresden, 2018

Soloist, Small Ensemble Organizer/Performer *First Mennonite Church of Urbana*  
2012 - 2016

Vocals, *Bate Calado* Musica Popular Brasileira, 2009-2012

REFERENCES

[Professor Xinyuan Dai](#), Associate Professor of Political Science, +1-217-333-3881,  
xdai@illinois.edu

[Professor Brian Gaines](#), Professor of Political Science, +1-217-333-4367, bjgaines@illinois.edu

[Professor Matthew Winters](#), Associate Professor of Political Science, +1-217-333-  
3881, mwinters@illinois.edu

[Professor Rose Kagawa](#), Assistant Professor Ph.D, M.P.H., UC Davis, rkagawa@ucdavis.edu