Evangeline Reynolds

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POSITION	Assistant Professor/Data Analyst
	US Military Academy, from 2020

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
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
Causal and Randomization Inference, Text Analysis, Panel and TSCS Data Analysis, Reproduciblity, Data Visualization, Human-Computer Interaction

International Relations
International Organizations, International Law and Compliance, Security, Arms Control, International Trade

Comparative Politics
Latin American Politcs, Politics in Developing Countries, German Electoral 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 $LiNi_{0.8}Co_{0.15}Al_{0.05}O_2$ and $Li_{4/3}Ti_{5/3}O_4$ 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 LaTeX, 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, Korbel 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, Korbel School of International Studies Research Seminar, May 2019

Much Obliged: 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, LaTeX, 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 Ensamble Organizer/Performer *First Mennonite Church of Urbana* 2012 - 2016
Vocals, *Bate Calado* Musica Popular Brasiliera, 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