

# EVANGELINE ‘GINA’ REYNOLDS

## Current: Supporting grammar of graphics data visualization developer community, 2022-Present

- Built and maintain [developer gathering space](#) for data scientist visualization tool developers and enthusiasts
- Coordinating speaker series
- Raise awareness of developer pain points, develop solutions
- Moderate discussion boards
- Build educational materials for extension newcomers
- Partnering with Posit PBC on developer advocacy.

Select presenters: David Sjoberg ([ggbump](#)), June Choe ([ggtrace](#)), Claus Wilke ([cowplot](#), [ggtext](#), [ggridges](#)), Di Cook ([GGally](#)), Thomas Lin Pedersen ([marquee](#)), Winston Chang ([ggproto](#) extension mechanism), Teun van den Brand ([ggh4x](#), [legendry](#), [ggplot2](#) maintainer), Hadley Wickham ([ggplot2](#)), Cory Brunson ([ggalluvial](#), [ordr](#)), Mitchell OHara-Wild ([ggtime](#), [distributional](#)), Matthew Kay ([ggdist](#), [ggblend](#))

## Previous

US Military Academy West Point August 2020-August 2023, 40 hr per week:

Department of Mathematical Sciences, Assistant Professor  
Dean's Data Cell Data Manager

Visiting Teaching Assistant Professor, Korbel School of International Studies, University of Denver, September 2018-June 2020, 40 hours per week

License Officer, US Department of Commerce July 2005-July 2007, 40 hours per week

Laboratory Assistant, Argonne National Laboratory May 2004-July 2005, 20 hours per week

## Software

CRAN

- [flipbookr](#)
- [tidytitanic](#)

Select GitHub

- [ggregions](#)
- [ggdims](#)
- [ggcalendar](#)
- [ggcirclepack](#)
- [tidypivot](#)
- [knitrExtra](#)
- [statexpress](#)

<b>Education</b>	<p>PhD 2016, University of Illinois, Urbana-Champaign  Dissertation Title: “Supranational Law and Compliance”  Chair: Xinyuan Dai  Committee members: Paul Diehl, Brian Gaines, Matthew Winters</p> <p>BS 2004, Wheaton College, Magna Cum Laude  Majors: Chemistry &amp; Spanish  Minors: International Relations &amp; Music</p>
<b>Software</b>	<p>- flipbookr (&gt;20000 downloads)</p>
<b>Teaching Experience</b>	<p>Individual Student Advising &amp; Assistantships:</p> <p>Independent Studies West Point: Morgan Brown, Fall AY2022; Madison McGovern, Fall AY2022; Morgan Brown, Spring AY2022; Isaac Folorunso, Spring AY2023; Michael Jax, Spring AY2023.</p> <p>Graduate Research Assistantships, University of Denver: Rachel Goodman, Luca Picci, Conner Surrency, Suraj Thapa, Brittany Woodram, Spring 2020; Ryan Granier, Summer 2019</p> <p>Courses at West Point</p> <p>Introduction to Statistics and Probability MA206, (Spring AY2021; Fall AY2023, 2 sections)</p> <p>Courses at University of Denver</p> <p>Defense and Security Quantitative Analysis (Winter AY2019, Winter AY2020)</p> <p>Data Science for International Relations (Winter AY2019; Spring 2019; Winter AY2020; Spring AY2020)</p> <p>Defense and Security Methods (Fall AY2019, 2 sections; Fall AY2020, 2 sections)</p> <p>Data Visualization (Spring 2020)</p> <p>Courses at Technische Universität Dresden</p> <p>Introduction to Data Science and Statistics for Political Analysis Spring AY2018</p> <p>International Organization and Regimes, Spring AY2018, Spring AY2017</p> <p>Selected PhD Teaching Assistantships at University of Illinois</p> <p>Research Design, PS 522 (Graduate Level) with James Kuklinski, 2015</p> <p>Quantitative Political Analysis I, PS 530 (Graduate Level) with Brian Gaines, 2015</p> <p>Statistical Methods Teaching Support, Research Design PS 199 with James Kuklinski, 2015</p> <p>Statistical Methods Teaching Support, PS 495/496 with Senior Honors Seminar/Senior Thesis, Jeffery Mondak, 2015</p>
<b>Awards</b>	<p>R Consortium Grant, 2019-2020, R Statistical Software Ecosystem award for the creation of the flipbookr package</p>

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

**Dynamic Learning Resources** *Easy geom recipes: A introduction ggplot2 layer extension*

*ggplot2 Extension Cookbook*

*The R Flipbook Textbook: A introduction to data manipulation, visualization, and statistical analysis with dynamic examples*

*the ggplot2 flipbook: a collection of ggplot2 plot builds*

*a ggplot2 grammar guide: a systematic tour through ggplot2 elements*

**Selected Working Papers** Report for Posit, PBC: *'Easy Geom Recipes' insights from survey and focus group feedback*

*Who are the ggplot2 extenders?* with Joyce Robbins, Vivian Zheng and H. Sherry Zhang

*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*

**Recent Talks and Conference Presentations** *Who are the ggplot2 extenders and how to become one?*, Posit Conference, September 2025.

*Who are the ggplot2 extenders and how to become one?*, Joint Statistical Meeting, American Statistical Association, August 2025.

*Updating 'Easy Geom Recipes' for the ggplot2 4.0.0 release*, ggplot2 extenders meetup, July 2025.

*Everyday ggplot2 extension: light-weight 'geom' extension*, Colorado-Wyoming Chap-

ter, American Statistical Association, April 2025.

*Supporting a new wave of ggplot2 extenders: New points of entry for ggplot2 super-users*, Colorado-Wyoming Chapter, American Statistical Association, October 2023.

*ggcirlepack*, ggplot2 extenders meetup, March 2023.

*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 2019.

*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 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

<b>Software</b>	R, Stata, SPSS, Git, L <sup>A</sup> T <sub>E</sub> X, Markdown, Tableau, Excel
<b>Languages</b>	English — native, Spanish — fluent, Portuguese — fluent, German — intermediate
<b>Community Activities</b>	Co-founder <i>RLadies</i> Denver, 2019 Choir member <i>The Spirituals Project</i> of Denver, 2018 English language tutor <i>Nachhilfe GBZ Emmaus</i> Dresden, 2018 Soloist, Small Ensemble Organizer/Performer <i>First Mennonite Church of Urbana</i> 2012 - 2016 Vocals, <i>Bate Calado Musica Popular Brasileira</i> , 2009-2012
<b>References</b>	<a href="#">Dr. Michael Yankovich</a> , Vice President for Operational and Administrative Integration, +1-201-684-7765, <a href="mailto:myankovi@ramapo.edu">myankovi@ramapo.edu</a> <a href="#">Dr. Susan Richardson (Carter)</a> Vice Dean for Academic Affairs & Associate Professor, <a href="mailto:Susan.Richardson@westpoint.edu">Susan.Richardson@westpoint.edu</a> <a href="#">Dr. Rachel Epstein</a> Professor & Faculty Josef Korbel School of International Studies, <a href="mailto:rachel.epstein@du.edu">rachel.epstein@du.edu</a> +1-303-871-3843 <a href="#">Professor Brian Gaines</a> , Professor of Political Science, +1-217-333-4367, <a href="mailto:bjgaines@illinois.edu">bjgaines@illinois.edu</a> <a href="#">Professor Matthew Winters</a> , Associate Professor of Political Science, +1-217-333-3881, <a href="mailto:mwinters@illinois.edu">mwinters@illinois.edu</a>

