

# **Welcome To POL 478: Data Management and Visualization for Political Scientists**

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# Some Quick Rules of Engagement

- Turn off your camera
- Silence your mic unless you are speaking
- If you have a question/comment, post your question in the chat or post the word “Question” in the chat. I will call on you in order of posting.
- If you have a follow up question to someone else’s question, say “Follow up on [name]’s question” in chat—I will try to call on you before moving on to the next question.

# About me...

- Assistant Professor of Political Science, University of Toronto, since 2020
- Previously an Assistant/Associate Professor of Political Science and Statistics at Iowa State University (2015-2020).
- My research areas are network analysis, spatial statistics, substantive focus on non-state violent actors
- [www.olgachyzh.com](http://www.olgachyzh.com), [olga.chyzh@utoronto.ca](mailto:olga.chyzh@utoronto.ca)
- How about you?

# Outline

- Introduction
- Objectives, software
- What do you already know?
- Getting started

# “Tall-Order” Objective

- Become proficient in data management and visualization in R

# Objectives

- Learn how to deal with complex messy networks data
- Collect, clean, and format real political data
- Use graphics to summarize, visualize and understand data
- Become fluent in common data management and graphics packages in R

# Set-up

- About 2:1 split of class between teaching:practice
- Recommend 2 screens: one to watch slides, one to follow along in R

# Assessments

- 10 weekly homeworks, equally weighted.
- Revise what we covered, synthesize some new information



# Lectures

- Slides and all materials available on the course website [pol478.netlify.app](http://pol478.netlify.app) and on Quercus
- Follow along with in-class demos or you will get swamped

# What do you know already?

- Have you taken an Intro to Statistics?
- Have you used R before?
- For more than a year?