METHODS WORKSHOPS 2021 - 2022

Fall 2021

We plan to follow all university guidance related to COVID-19 protocols, which means that masks are required while in classrooms.

10/1 — Race, Ethnicity and Quantitative Methodology

Aime Hogue Rovelo and Aryanna Hyde

Mizzou Political Science PhD students Aime Hogue Rovelo and Aryanna Hyde will introduce race and ethnicity in the context of quantitative analysis. They will review how the study of race and ethnicity has evolved over time, things to consider when using race and ethnicity in quantitative research, and how to conduct factor analysis using Stata.

Cornell 3, 1:00pm - 4:00pm

10/15 — How to Win Friends and Influence People: Conducting High-Quality Research

Jen Selin

Jennifer Selin, Kinder Institute Assistant Professor of Constitutional Democracy, will discuss the strategies behind conducting high-quality research. Her workshop will focus on developing testable conceptual and theoretical frameworks; designing research to match those frameworks; marketing one's research and incorporating feedback; and navigating the publication process.

**Sign up (email JacobOwen@missouri.edu) for workshop by October 13 to receive materials that will enable active participation.

Cornell Hall 218, 10:30am - 12:00pm

10/22 — Spotlight on Mixed Methods

Session I: The Political Inclusion of Americans Abroad

Donatien Adou, Elizabeth Dorssom (via Zoom) & Yu Bin Kim

From IQMR to Mizzou! In this panel you will learn how to do Causal Inference, Qualitative Comparative Analysis, and integrate qualitative and quantitative information. After this panel, you will feel like you spent your summer at Syracuse University.

Cornell 3, 1:00pm - 3:15pm

10/22 — Session II: Narrative Inquiries

Trang Pham

As a follow-up to the integrative approach to research methodology, Trang Pham will lead a session on Narrative Inquiry – a qualitative research methodology that studies lived experiences in the form of stories. Applied the psychological approach to narratives, this workshop introduces you to some hands-on techniques to work with storied data and their implications to policy research.

Cornell 3, 3:30pm - 5:00pm

11/5 — Introduction to Python

Aryanna Hyde

Mizzou Political Science PhD student Aryanna Hyde will introduce Python, starting with how to access it. She will then explain how to utilize Python to perform basic statistical analysis and give some tips for where to find further information for how best to utilize Python in future research and analysis.

Cornell 3, 1:00pm - 3:00pm

Spring 2022

Spotlight on R

3/4 — Session I: Introduction to R

Jacob Authement & Aime Hogue Rovelo

Two of our political science Ph.D. students, Aime Hogue Rovelo and Jacob Authement, will bring the practical skills they learned from the ICPSR Summer Program back to the Truman School by hosting an introductory workshop on the R statistical environment. Open-source and extremely powerful, R is a valuable tool for data analysts working in academia or industry. Rovelo and Authement will cover basic and intermediate concepts, including the R language, data manipulation, model estimation, and the creation of publication-quality graphs and tables.

Cornell 3, 1:00pm - 3:00pm

3/4 — Session II: (Inferential) Network Analysis in R

Yu Bin Kim

Network analysis is becoming increasingly popular in political science. This workshop will introduce the basics of analyzing network data in R, with a focus on inferential tools. These inferential tools include the Exponential Random Graph Models (ERGMs) and the Temporal Exponential Random Graph Models (TERGMs). As the visualization of network data is important, the workshop will also present the basics of visualizing network data in R.

Cornell 3, 3:30pm - 5:00pm

3/25 — Spotlight on R 2: Electric Boogaloo

Session I: Text Analysis in R

Yujin Julia Jung

In this workshop, Yujin Julia Jung will first describe what textual data is and how it can be utilized in computational text analysis. Then, she will walk through the text pre-processing that covers topics ranging from stemming to tokenization. In the end, the workshop aims to conduct basic text analysis that includes word counting, Term Frequency Inverse Document Frequency test (tf-idf), and dictionary-based Analysis.

Cornell 3, 1:00pm - 3:00pm

3/25 — Session II: Geospatial Modeling in R

Heather Kopp

In this workshop, we learn about the different classes of data that we can map with using R, including spatial data frames, simple features, and spatial polygons. We also cover where to find mapping data from basic R packages, installed R packages, and shp files. We conclude by learning how to map with ggplot2, how to plot layers of data on maps, and how to customize maps in terms of their coordinates, colors, and other ggplot2 features.

Cornell 3, 3:00pm - 5:00pm

4/21 — Introduction to Experiments

Irma Arteaga, Michelle Segovia

Irma Arteaga and Michelle Segovia will introduce you to social experiments, from piloting the instruments, to randomization, data collection and analysis, and report writing. They will discuss ways to reduce attrition and to prevent data contamination, as well as the key role that the researcher/program evaluator plays when implementing the experiment. Professor Arteaga will focus on large field experiments conducted both in the US and the developing world, while Professor Segovia will share her experience with economic lab experiments implemented across the US.

Middlebush 8, 1:00pm - 4:00pm

Harry S Truman School of Government & Public Affairs
University of Missouri