There is growing interest in research transparency and reproducibility across the social sciences. This workshop is a crash course on the problems of publication bias, inability to replicate research, and specification searching (or p-hacking, among other names) that have heretofore caused researchers problems. We will cover recent methodological progress in this area, including study registration, pre-analysis plans, disclosure standards, and open sharing of data and materials, drawing on experiences in economics, political science, and psychology, as well as other social sciences. We also engage hands-on with workflow-related software developments that help a researcher make their work more reproducible, particularly version control and dynamic documents, which can accurately track all changes made to code and make one’s entire analysis reproducible with a single click.

Day 1
Introduction to Research Transparency
The Problems: Publication Bias, Specification Searching/P-Hacking Preregistration and Pre-Analysis Plans Data Sharing and Replication

Day 2
Reproducible Workflow Organizing your work with the Open Science Framework Version control with Git & GitHub Dynamic Documents in Stata, R, and LaTeX