Data Science and Social Science
January 20–22, 2016

Learn cutting edge data collection and data analysis techniques!

Dates:
January 20–22
9–4:30

Location:
Waverly 366

IES PIRT
PRIISM

IHSDC’s IES-PIRT program and PRIISM present a three-day short course covering key topics at the intersection of Data Science and Social Science. Each day will be structured as a series of modules that will combine instruction on data science methods with implementation using real data in R.

Day 1. Introduction to data analysis, modeling, and visualization
Day 2. Social network analysis and visualization, automated text analysis, and basics of machine learning
Day 3. Web scraping and APIs, and final project: apply what you have learned in the class and present results to your peers

Instruction will be provided by Pablo Barberá and Dan Cervone. Pablo has a PhD in Politics from New York University and was also a graduate research associate in the Social Media and Political Participation lab. His primary areas of research include social media and politics, quantitative methods, and electoral behavior and political representation. Dan has a PhD in Statistics from Harvard University. He is interested in spatial and spatiotemporal data, hierarchical models, computational statistics. He enjoys working on applied problems in areas such as sports, medicine, and environmental science. Pablo and Dan are both currently Moore Sloan Data Science Fellows at New York University.