Python is an all-purpose programming language which can be used for collecting, cleaning, manipulating, and analyzing data. With a vibrant development community, tasks which may have taken several different tools can be accomplished with this simple, intuitive language. This workshop is an introduction to the basics of the Python programming language. The workshop will focus on the basics of the language, how to collect and analyze social data (with an emphasis on social media sites), and how to visualize data. We will introduce statistical data analysis with Python’s scientific computing packages.

Alex Hanna is a PhD candidate in sociology at the University of Wisconsin-Madison. Substantively, they are interested in social movements, media, and the Middle East. Methodologically, they are interested in computational social science, textual analysis, and social network analysis. Alex’s dissertation uses principles from machine learning and information extraction to build an automated system for the creation of new protest event data. Their master’s thesis looks into the genesis of the 6th of April Youth Movement with computer aided content analysis methods.