

HIST 582A-000: Data Analysis & Visualization

Instructor	Day(s)	Time(s)	Maximum Enrollment
Ravina	TH	4:15 – 7:15 pm	12

Semester Description:

An introduction to quantitative methods for graduate students in history and the humanities. We will study both social science and humanities based approaches to quantification, examining both theory and practice. Examples will include the quantitative analysis of textual, social, demographic, and economic data. Can we measure how two texts are similar? How about two cars or a hundred colleges or a thousand immigrants? We will cover key statistical techniques such as correlation and regression analysis, but with a focus on data visualization. What, for example, does a strong correlation look like? How can visualize the content of texts? How can we use charts, maps, and graphs to explore and explain quantitative relationships? We will examine a range of commercial software packages, but the focus will be on the open-source language R.

Required Textbooks, Articles, and Resources:

1. TBA.