

Network Analysis with Scott Weingart



March 7, 2016

The Digital Humanities Lab sponsored two events with Scott Weingart, the Digital Humanities Specialist at Carnegie Mellon University.

Workshop, 3/7: "Concepts and Practice of Network Analysis for Humanities Applications"

Bass Library L06, 1:00-5:00pm

Networks are simple formal representations for how the world intermingles with itself. The humanities can make good use of this formalization to study anything from social interactions, to similarities between literary genres, to the trade routes between ancient cities. This workshop will cover the conceptual foundations of network analysis, and the steps to prepare data for, analyze, and visualize humanities networks. Participants will learn on Microsoft Excel, OpenRefine, NodeXL, and Gephi using computers provided by the lab. No background in programming or mathematics is needed.

Photos from the workshop:



[1]



[2]



[3]



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[5]



[6]

Talk, 3/8: "Distributed Scholarship in Early Modern Europe"

Bass Library L01, 2:00-3:30pm

Historians argue that correspondence networks played a vital role in laying the foundation of early modern scholarship, but only recently have the data and technology been available to critically engage those claims on a large scale. I will discuss how network structure scaffolded the history of science via the analysis of hundreds of thousands of exchanges in the Republic of Letters, and how scholars constructed social webs to strengthen their research. Over three centuries, the web they wove took on its own life, continuing to function without requiring the guiding hand of central figures. This is one story of the institutionalization of early modern scholarship, as told through network analysis.

Photos from the talk:



[7]



[8]

Scott B. Weingart is a historian of science and Carnegie Mellon University's Digital Humanities Specialist. He is a Fortier Prize Winner in Digital Humanities, an NSF Graduate Research Fellow, and an Executive Council Member of the Association for Computers and the Humanities. Weingart's instructional material appears in [the scottbot irregular](#) [9] and [The Historian's Macroscope](#) [10](Imperial College Press, 2015), and his research has been published in journals spanning history, philosophy, folklore, archaeology, library science, and informatics.

External link: <http://web.library.yale.edu/dhlab/scottweingart> [11]

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