Z637: Information Visualization

Details below are from a related IVMOOC developed by Dr. Katy Borner.

- **Introductory Video**
  Link: [http://ivmooc.cns.iu.edu/](http://ivmooc.cns.iu.edu/)

**Overview**
This course provides an overview about the state of the art in information visualization. It teaches the process of producing effective visualizations that take the needs of users into account.

Among other topics, the course covers:
- Data analysis algorithms that enable extraction of patterns and trends in data
- Major temporal, geospatial, topical, and network visualization techniques
- Discussions of systems that drive research and development.

**What computer system do I need for the course?**
Most computers running either Linux, Windows NT, 2000, Vista, 7, or Mac OSX 10.4 or later will work fine. The system requirements for the three programs (Sci2, Gephi, and Inkscape) used in this course all vary. However, computers with a 1GHz processor and at least 256MB of RAM should suffice, but faster machines with more memory will run the programs more smoothly.

**What is the format of the class?**
The class will consist of a theoretical component and a hands-on component. The video lectures for the theory will explain the topics covered that week and the hands-on video tutorials will cover the same topics. The theory component and the hands-on component are stand alone. Participants can watch whichever section they are more interested in first, and then review the other section. After the theory videos there will be a self-assessment, and after the hands-on videos there will be a short homework assignment.