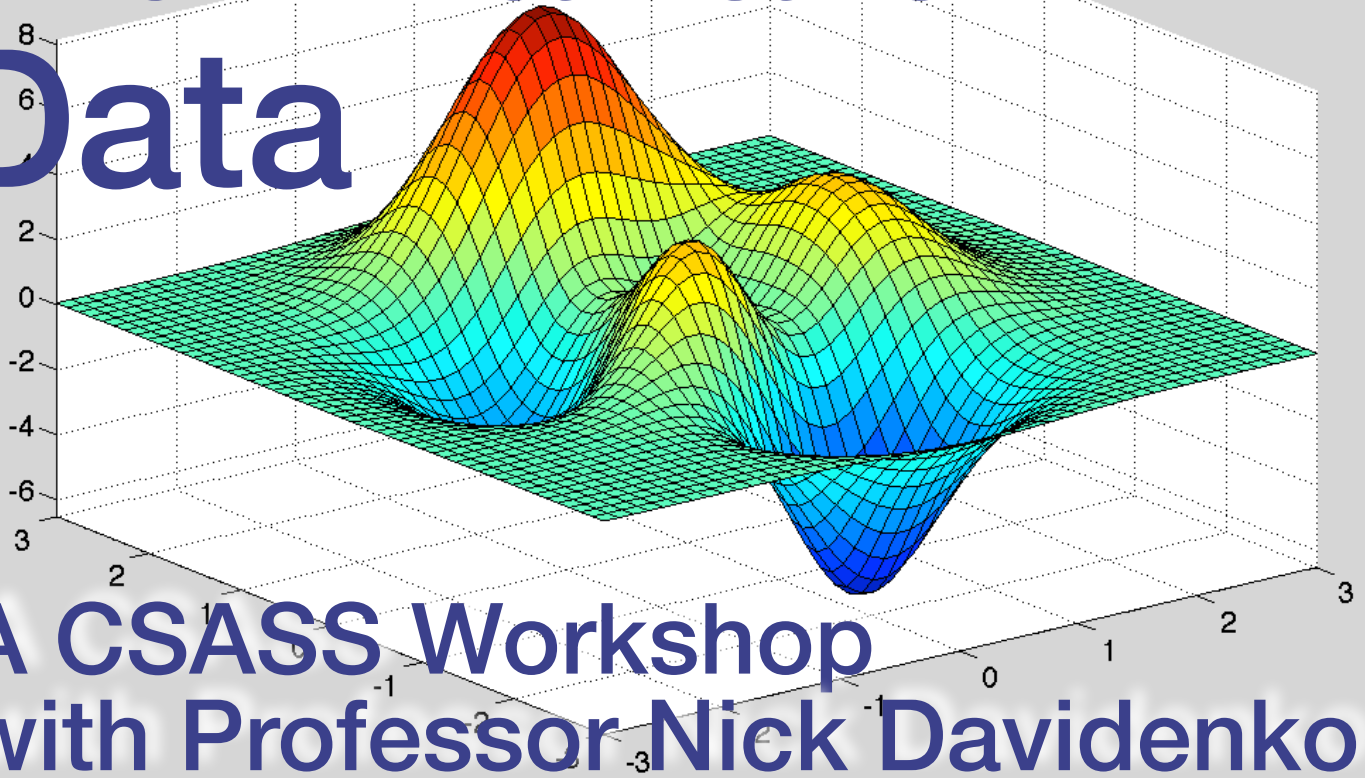


Visualizing Multivariate Data



A CSASS Workshop with Professor Nick Davidenko



Date: June 10, 2014

Time: 2-4pm

Location:

Social Sciences 2,
Room 121

The UCSC Center for Statistical Analysis in the Social Sciences offers this multivariate data visualization workshop with Professor Nick Davidenko. As social scientists, we often encounter highly complex, multivariate data, that may be hard to characterize in standard 2D plots. Professor Davidenko will explain various techniques that help visualize multivariate data using Matlab. Specifically, he will show examples using scatter plots with different symbols, histograms, and 3D plots that can help in understanding relationships among three or more variables. He will also cover some methods for dimensionality reduction, including MDS (multidimensional scaling) and PCA (principal components analysis). Some of the examples will be based on data from his studies, and others will be based on data from students' own research.

If you have complex data that you would like to visualize in new ways, please send a short description of your data and a copy of your dataset (in Excel format preferred) by **Wednesday, June 3rd** to ndaviden@ucsc.edu.

Questions?

Please email yykwan@ucsc.edu
<http://csass.ucsc.edu>



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