Goals for today (files are in <http://homepage.divms.uiowa.edu/~idarcy/COURSES/TDA/LABS/LAB8/>)

1. Ask me questions.
2. Generate figures and tables for your paper.

To generate a table containing KS statistics for analyzing how each variable in your data compares for 2 groups data points selected from sets of vertices (nodes)

1. Use python mapper to select 2 groups of nodes in the python mapper output.
2. Modify ksTable.rnw to take in your dataset (call it fdata) and your two groups of nodes (called nodeset1 and nodeset2).
3. Click compile pdf
4. Throw this table into a section in your paper called K-S statistic. Analyze this table when you have time.

Optional:

1. If you have time, you can check out TDAmapperNewIgraph.R and mapperNew.r

to see how I have been modifying the R version of TDAmapper including changing vertex size.