

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)

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

Optional:

- 3.) 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.