CSCI 552 (Spring 2018)

Project #3

Handout: Thursday, March 8, 2018
Due: 11:59 pm, Thursday, March 22, 2018
Total points: 75

In this project, you will use the datasets available at https://www.gapminder.org/data/ to experiment with multi-dimensional visualization techniques.

1. Download a proper number of datasets at https://www.gapminder.org/data/ to construct a d-dimensional ($d \geq 8$) dataset. In this dataset, countries or regions are individual data points. Each data point will have d number of attributes which come from the various datasets you downloaded from this site. Please make sure that these attributes are consistent (e.g. in terms of the year the data came from) and complete (not too much missing data). the decision to collect which set of attributes is also important as they should be selected to demonstrate some idea or viewpoint, or to reveal some interesting connections.

2. Use D3 to visualize your d-dimensional dataset using 3 different visualization methods such as parallel coordinates, scattered plot matrix, pixel-oriented methods, radial coordinates, icon-based methods, or any other tools D3 provides.

3. Write a one- or two-paragraph description about the insight you gain from these visualizations: discovery, revelation, surprises, etc.

Please submit your D3 source code and the visualization results as jpeg images.