DATA 608: Final Project Proposal

## Intro:

The World Bank website provides many international data sets. Just for "Featured Indicators", <a href="http://data.worldbank.org/indicator">http://data.worldbank.org/indicator</a> has about 20 categories, with a minimum of 20 data sets per category, and often 15+ years of data per set. This much data can be overwhelming, and is where visualization tools can help guide us on seeing relationships among these statistics.

## Goal:

With a few <a href="http://data.worldbank.org">http://data.worldbank.org</a> data sets (not decided which ones), I hope to provide world map visualizations. Since the data seems to range roughly from 2000 to 2015, I plan to show some form of timeline visualization of the chosen statistics to narrate the changes and allow the viewer to develop cause and effect hypotheses.

## Possible Data Sets:

- Central government debt, total (% of GDP)
- Fossil fuel energy consumption (% of total)
- Expenditure on education as % of total government expenditure (%)
- Real interest rate (%)
- Tax revenue (% of GDP)

## Sample:

The following image (from this stackoverflow question) shows countries color coded by "category". I would like to follow this approach to color code the countries of the world based on the small subset of statistics chosen from http://data.worldbank.org

