CSCE 5320 Scientific Data Visualization

Common Visualization Idioms

ICE-7: Tutorial

- **Reusable Scatter Plot**

  Using the Towards Reusable Charts：
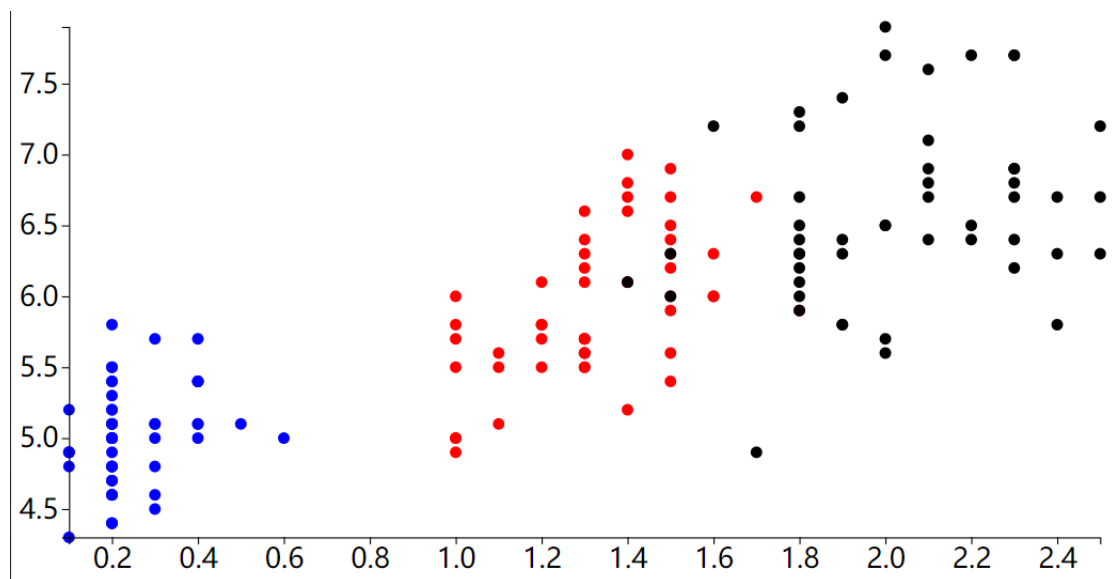
  Link for Towards Reusable Chart: https://bost.ocks.org/mike/chart/

  Resource for symble shapes: http://using-d3js.com/05_10_symbols.html

  You can Folk the link of the reusable scatter plot to start:
  https://vizhub.com/curran/f1b1dbcb355f4d459b86e29d4f134d7c

  Example:

  x-axis = petal_width, y-axis = sepal_length
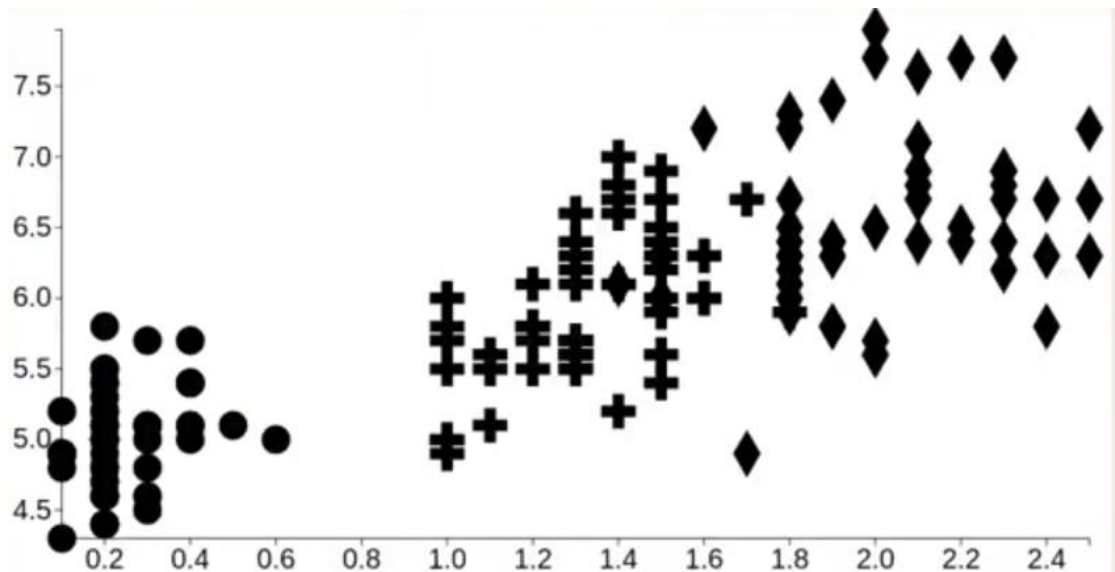
Common Visualization Idioms with D3.js

- **Pie Chart**

For example:

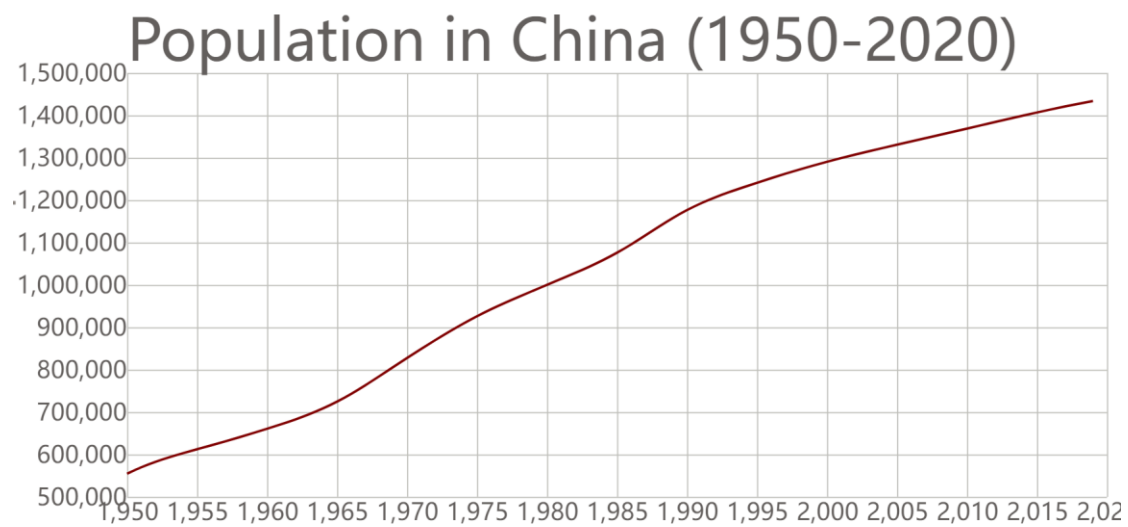Top 10 Most Populous Countries(2019) - Pie Chart

China	1434 Million	
India	1366 Million	
USA	329.1 Million	
Indonesia	270.6 Million	
Pakistan	216.6 Million	
Brazil	211.1 Million	
Nigeria	201 Million	
Bangladesh	163 Million	
Russian	145.9 Million	
Mexico	127.6 Million	
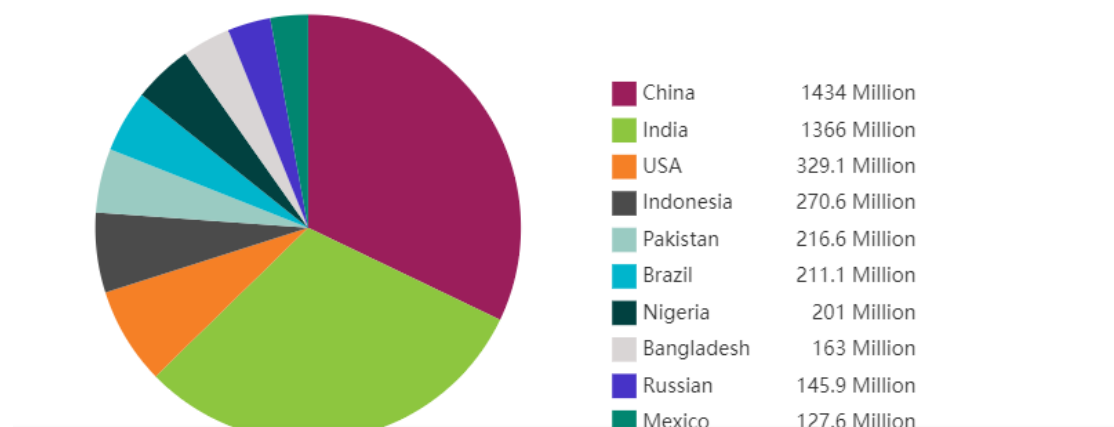
- **Line Chart**

Resource for line chart:

https://github.com/d3/d3-shape/blob/v3.1.0/README.md#lines

For example:

Population in China (1950-2020)

● **Area Chart**

Resource for Area Chart:

https://github.com/d3/d3-shape/blob/v3.1.0/README.md#areas

Population of China (1950-2020)