

D3js

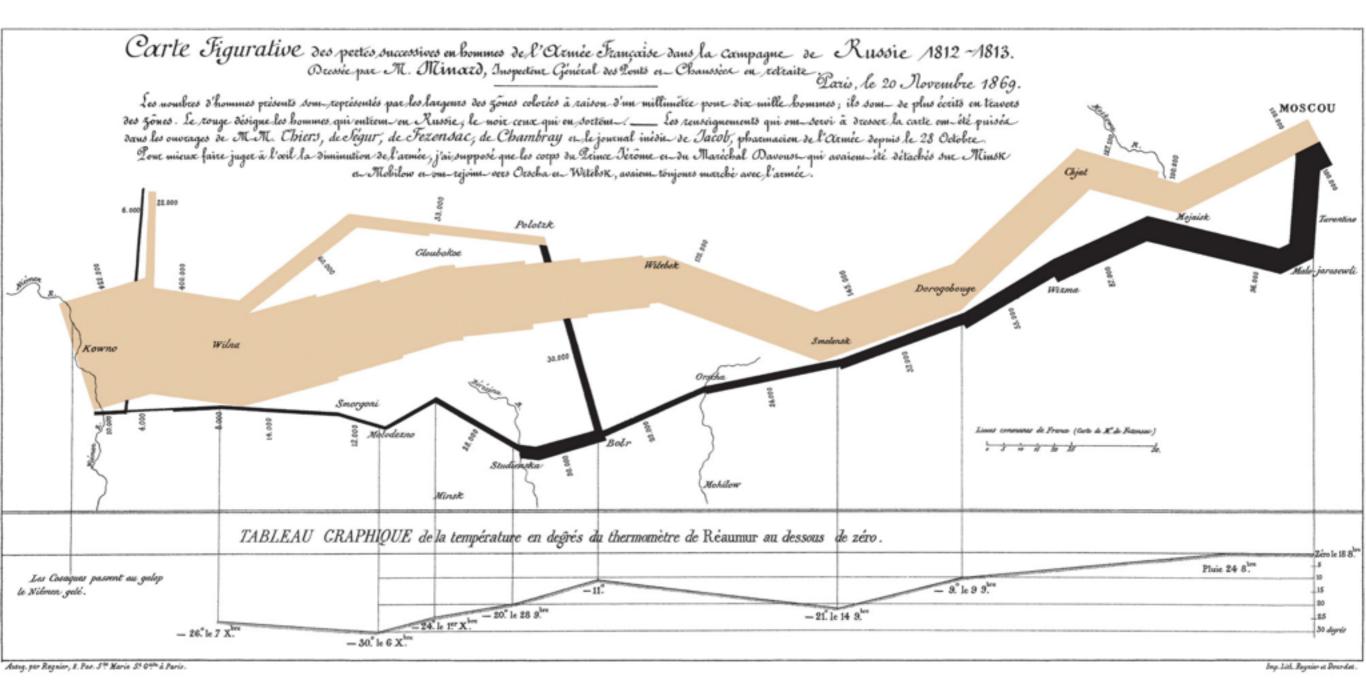
Interactive Data Visualization

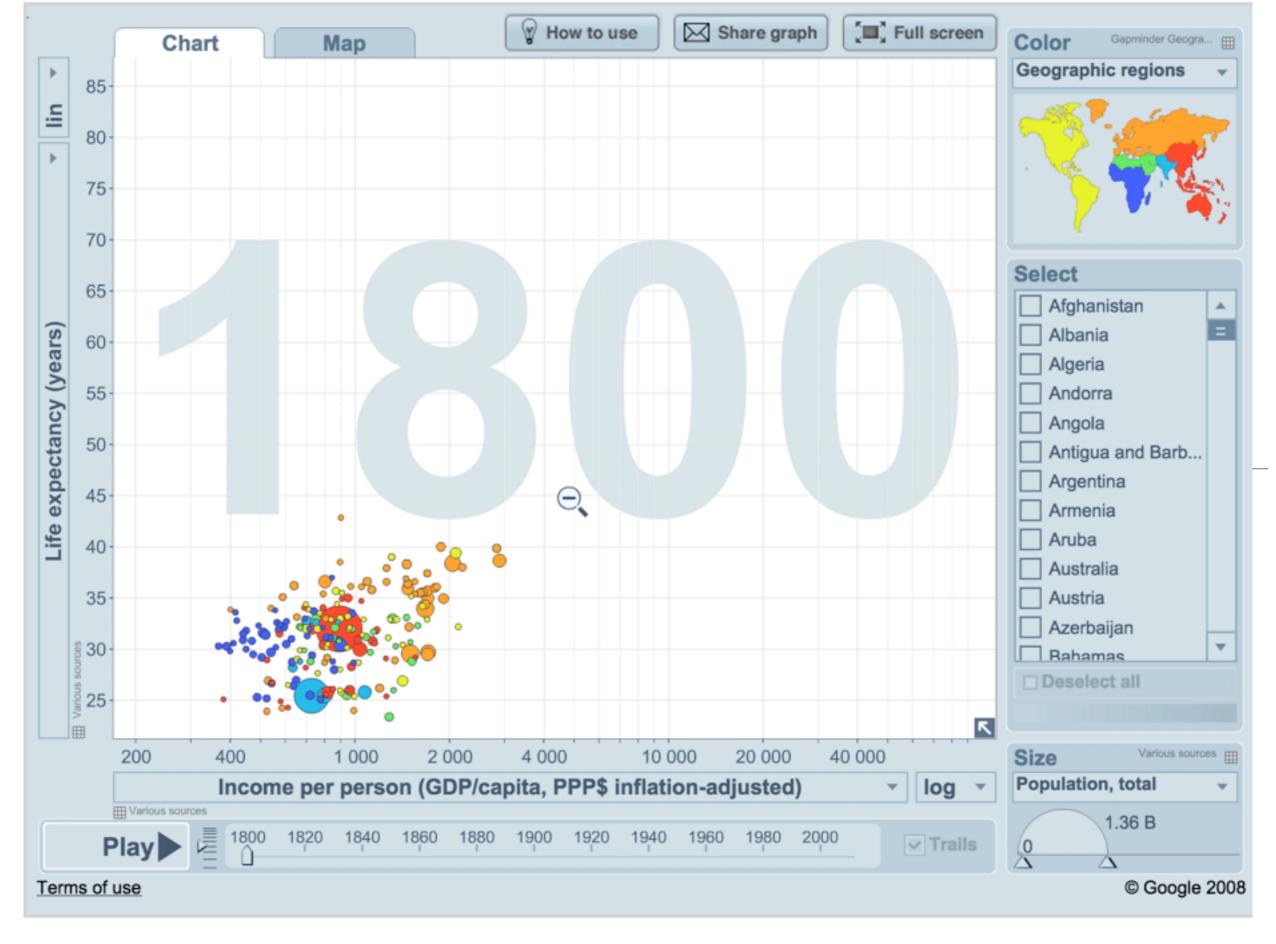
"Graphical excellence is that which gives to the viewer the greatest number of ideas in the shortest time with the least ink in the smallest space"

-Edward Tufte leading theorist in the field of data visualization

Minard's map of Napoleon's March

best statistical graphic ever drawn?





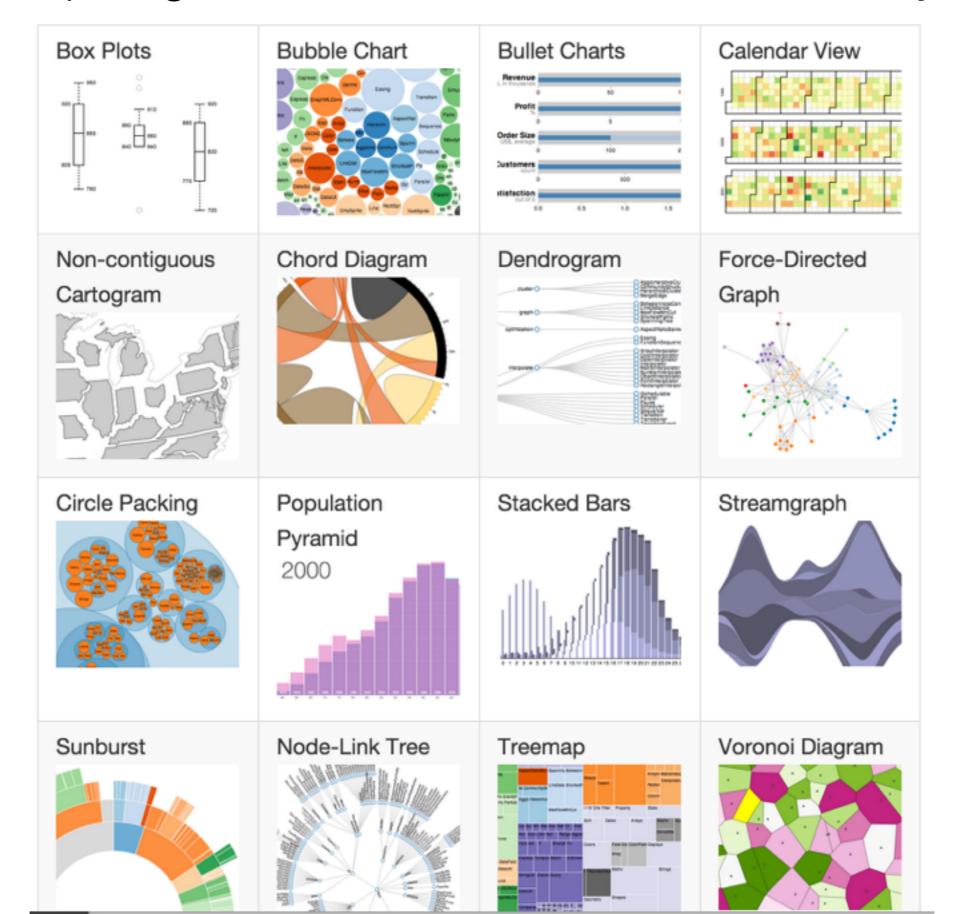
Hans Rosling: gapminder.org



Visualization of network attacks

Now, on to D3...

https://github.com/mbostock/d3/wiki/Gallery



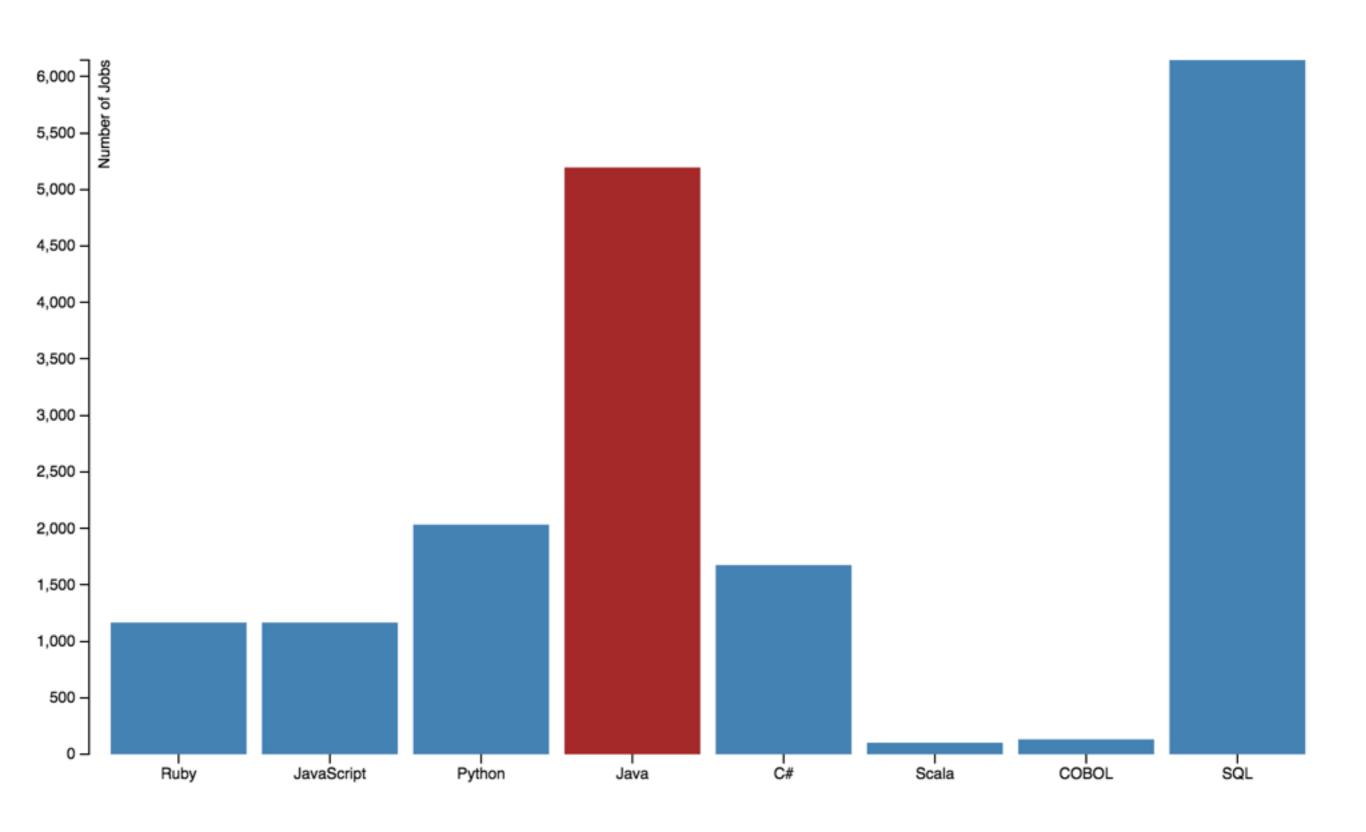
Example of a circle .svg file



```
<!doctype html>
    <html>
 3
   <head>
    <script src="http://d3js.org/d3.v3.min.js" type=</pre>
    "text/JavaScript"></script>
    </head>
    <body>
   <script>
 8
   //Make an SVG Container
    var svgContainer = d3.select("body").append("svg
      ")
    .attr("width", 500)
10
    .attr("height", 500);
11
12
13
   //Draw the Circle
14
    var circle = svgContainer.append("circle")
                             .attr("fill", "green")
15
16
                             .attr("stroke-width", 2)
17
                             .attr("stroke", "black")
18
                             .attr("cx", 250)
                             .attr("cy", 250)
19
                             .attr("r", 246);
20
21
    </script>
22
    </body>
23
    </html>
```

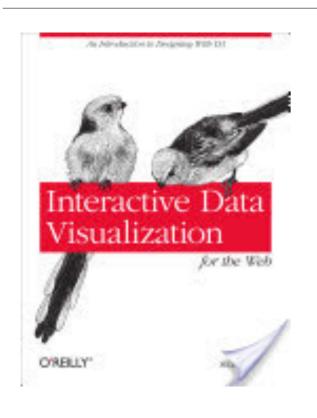
Any ideas on what this will look like?

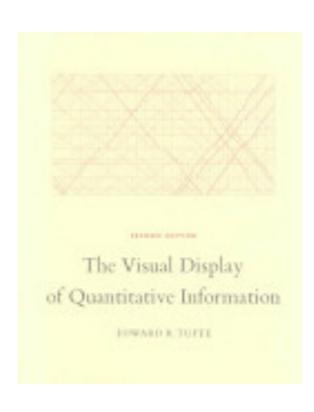
Jobs by language in Washington, DC Metro area





More resources for D3 goodness!







http://bl.ocks.org/mbostock

http://d3js.org

http://www.gapminder.org