

Sources: <http://tharsen.net/D3-sources.zip>

Recommended Freeware Programming Editors:

Windows : Notepad++

<https://notepad-plus-plus.org/download/>

Mac : TextWrangler

<http://www.barebones.com/products/textwrangler/download.html>

Coffee Script (simple Javascript interpreter)

<http://agiliq.com/blog/2011/12/coffeescript-for-python-programmers/>

I. Basic D3

- 1) Hello D3 (.text versus .html) [hello_D3.html](#)
- 2) Simple bar chart (data.tsv) [bar_chart_demo.html](#)
- 3) Sortable bar chart [sortable_bar_chart_demo.html](#)
- 4) Simple line chart [line_chart_simple_demo.html](#)
- 5) Line chart with tooltips [line_chart_demo.html](#)
- 6) Line chart demo 2 (data2.tsv) [line_chart_demo_data2.html](#)
- 7) Reading in data in Javascript (tsv, csv, json)
- 8) D3 data structures : Domains, Ranges and Scales :
<http://javascript.tutorialhorizon.com/2015/01/17/d3-fundamentals-understanding-domain-range-and-scales-in-d3js/>
<https://github.com/mbostock/d3/wiki/API-Reference#d3scale-scales>
<https://www.dashingd3js.com/d3js-scales>

II. Scaled Vector Graphics (SVG) & Interactive Mapmaking in D3 (+CSS3)

- 1) What is SVG?
- 2) Hawai'i topographic map example :
https://upload.wikimedia.org/wikipedia/commons/e/ef/Hawaii_Island_topographic_map_CSS3_animation.svg
- 3) SVG interactive map of Europe (*read the source!*)
http://www.bogotobogo.com/SVG/svg_source/viewbox.svg
- 4) Zoomable US map example <http://janmilosh.com/interactive-d3js-map.html>
- 5) DataMaps <http://datamaps.github.io/>
- 6) DataMaps + code in JSBin (Javascript wysiwyg) <http://jsbin.com/rizufuciti/edit?html,output>

III. Interactive D3 Visualizations

- 1) Basic Force-Directed Graph (Network Visualization) <https://bl.ocks.org/mbostock/4062045>
- 2) Interactive Network Visualization : How-to (with lots of great explanations)
<http://flowingdata.com/2012/08/02/how-to-make-an-interactive-network-visualization>
- 3) 3D Network Visualization <https://github.com/ggeoffrey/d3.layout.force3D>
- 4) Interactive Collapsible Reingold-Tilford Tree <https://bl.ocks.org/mbostock/4339083>
- 5) Interactive Chord Diagram : “International Trade Flows”
<http://projects.delimited.io/experiments/chord-transitions/demos/trade.html>

IV. More D3 Examples and Galleries

- 1) <https://github.com/mbostock/d3/wiki/Gallery>
- 2) <http://techslides.com/over-2000-d3-js-examples-and-demos>