

Introduction to D3.js



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What is D3.js?



Data-Driven Documents

- Javascript library
 - Content that is dynamic based on bound data.
- Created by Mike Bostock
 - @mbostock #d3js
 - While at New York Times



The D3.js core components

HTML

CSS

Javascript

SVG

Setting up your environment

- Download `d3.zip` from `d3js.org`
- Pick you a browser with good developer support
 - With Safari awkward to drill down into arrays
- Pick an IDE
 - WebStorm/PyCharm
 - Atom.io + atom-beautify
- Run a local web server
 - Running back end code?
 - Accessing data files for D3?
 - Want to easily navigate around?
 - Easily accomplished with node or Python

CODE!

Edification

- Scott Murry @alignedleft
 - Interactive Data Visualization - for the web book
 - An Introduction to d3.js: from Scattered to Scatterplot
- Swizec Teller
 - Data Visualization with d3.js book
 - github.com/Swizec/d3.js-book-examples
- Christian Behrens
 - https://medium.com/@c_behrens/enter-update-exit-6caf6014c36#.30a9nlmmvcodenpen.io
 - https://medium.com/@c_behrens
- Video
 - <https://github.com/curran/screencasts/tree/gh-pages/introToD3>
 - <https://www.youtube.com/user/enjalot>

Resources: Tools

- bl.ocks.org
- blockbuilder.org
 - enjalot.github.io
- codepen.io
- jsbin.com
- jsfiddle.net

Resources: Charting Libraries

- NVD3.js - nvd3.org
- metricsgraphicsjs.org

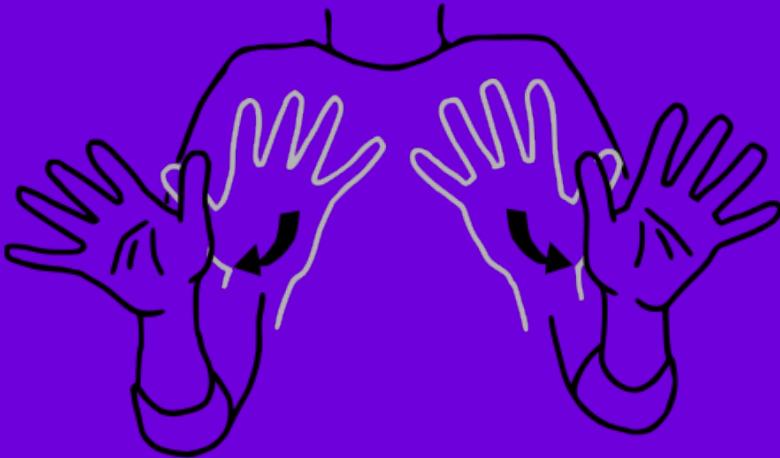
Resources: Links

- d3js.org
- github.com/marmelab/EventDrops

Your move!

- blockbuilder.org
 - play with the sample code
 - login with github
- Check out the documentation
 - <https://github.com/d3/d3/wiki/Gallery>

finished



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