

# 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.

Driving Force

- Mike Bostock
- @mbostock #d3js
- Stanford Vis Group
- New York Times



# The D3.js core components

HTML

CSS

Javascript

Scalable Vector Graphic (SVG)

# Setting up your environment

- Download `d3.zip` from `d3js.org`
- Pick you a browser with good developer support
  - Chrome -- 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
  - `python -m http.server 8000 --bind 127.0.0.1`

**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](https://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/enter-update-exit-6caf6014c36#.30a9nlmmvcodenpen.io)
  - [https://medium.com/@c\\_behrens](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](http://nvd3.org)
- [metricsgraphicsjs.org](http://metricsgraphicsjs.org)

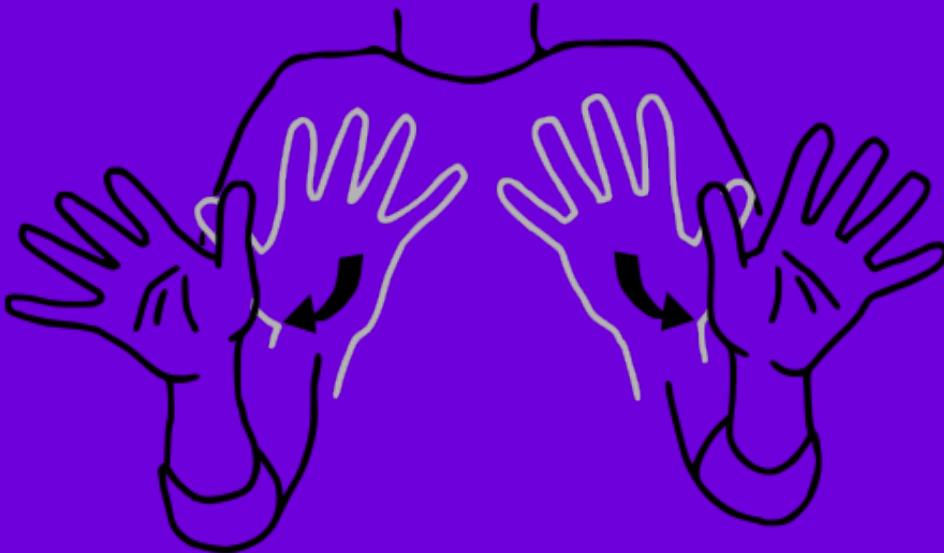
# Resources: Links

- [d3js.org](http://d3js.org)
- [github.com/marmelab/EventDrops](https://github.com/marmelab/EventDrops)

# Your move!

- [blockbuilder.org](http://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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