

# Intro to Data Visualization for the Web

## Week 2

Huston Hedinger @GraphAlchemist T: @hstnhdngr GH: @hdngr

Today:

10-11 Present Week 1's Code Challenge Deliverable

11-12 d3.svg - SVG built ins

12-1 "Lunch" (Bring your own or hustle back so we can have a working lunch)

1-2 d3 behaviors + formattings - adding interactivity to your vis

2-3 Layouts in d3

3-4 Break into groups, find data, talk about group projects, trouble shoot, etc.

4-5 Intro to Week 2 Optional Code Challenge + Intermediate Configurations with Grunt

Huston Hedinger @GraphAlchemist T: @hstnhdngr GH: @hdngr

# Week 1 Code Challenges

Huston Hedinger @GraphAlchemist T: @hstnhdngr GH: @hdngr

# d3 SVG built ins

Huston Hedinger @GraphAlchemist T: @hstnhdngr GH: @hdngr

## d3 SVG built ins

d3.svg.line

d3.svg.axis

d3.svg.area

d3.svg.arc

d3.svg.line

Check out Week 2 Examples

<http://bl.ocks.org/mbostock/3883245>

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d3.svg.axis

Check out Week 2 Examples

<http://bl.ocks.org/mbostock/3883245>

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d3.svg.area

Check out Week 2 Examples

<http://bl.ocks.org/mbostock/3883195>

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d3.svg.arc  
<http://bl.ocks.org/mbostock/5100636>

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Hack on one of the examples  
or  
on one of the blocks

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## Video - David McCandless

<https://www.youtube.com/watch?v=5Zg-C8AAIGg>

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# d3 Behaviors and formatting

d3.behavior.drag  
d3.behavior.zoom

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d3.behavior.drag

Examples

<http://bl.ocks.org/mbostock/6123708>

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d3.behavior.zoom

Examples

<http://bl.ocks.org/mbostock/6123708>

Don't forget:

d3.event.sourceEvent.stopPropagation();  
when adding zoom AND drag listeners!

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# d3 Layouts

- d3.layout.bundle
- d3.layout.chord
- d3.layout.cluster
- d3.layout.force
- d3.layout.hierarchy
- d3.layout.histogram
- d3.layout.pack
- d3.layout.partition
- d3.layout.pie
- d3.layout.stack
- d3.layout.tree
- d3.layout.treehmap



# d3 Layouts

d3.layout.force -

<http://graphalchemist.github.io/Alchemy/#/>

<http://bl.ocks.org/mbostock/4062045>

d3.layout.stack -

Week 2 Example

<http://bl.ocks.org/mbostock/3885211>

<http://bl.ocks.org/mbostock/1134768>

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