

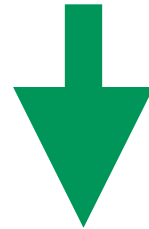
# An Intro to D3.js

Kristina Durivage  
@gelicia

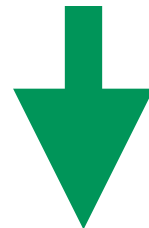


# Developing Data Visualizations

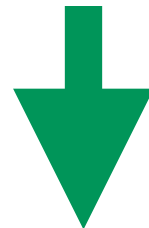
**Acquire Data**



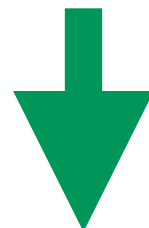
**Tell a Story**



**Explore First**



**Investigate**



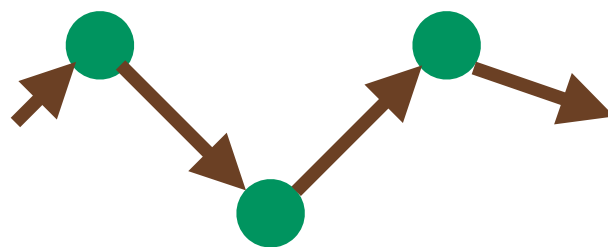
**Program!**

# Acquire Data

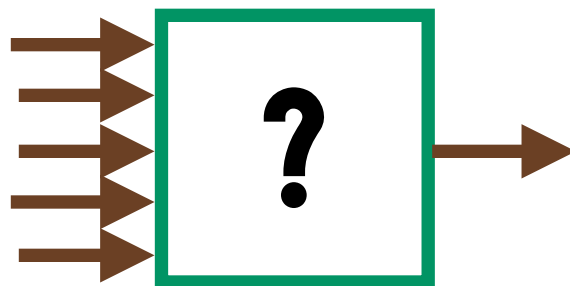
Get a point of contact for questions

# Tell a Story

Story-based



Tool



# Explore First

<http://gelicia.com/mplsCrimeMapODD/>

# Investigate

Think about data's context and bias

**Program!**



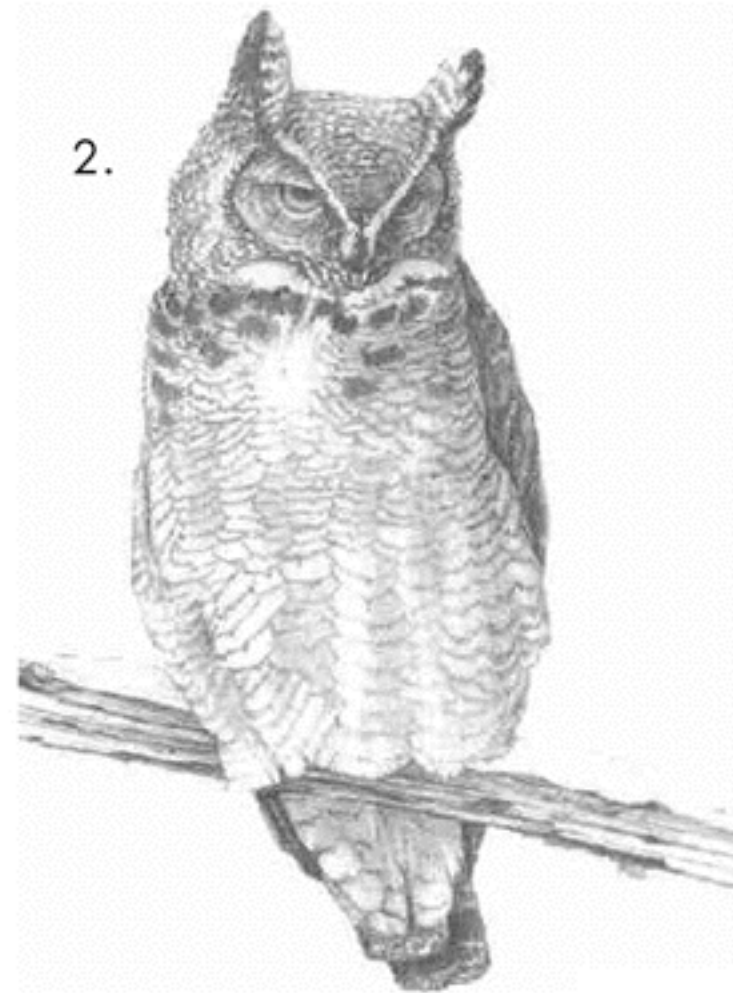
*D<sub>3</sub> Example Time*

1.



`d3.drawTwoCircles();`

2.



`d3.drawTheRestOfTheOwl();`

Joke Courtesy of Elijah Meeks

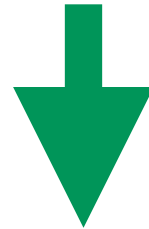
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# CREATE AWESOME STUFF WITH THE WORLD'S GREATEST COMIC API

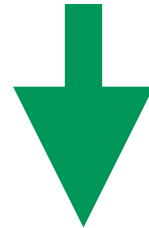
The Marvel Comics API allows developers everywhere to access information about Marvel's vast library of comics—from what's coming up, to 70 years ago.

[GET STARTED](#)

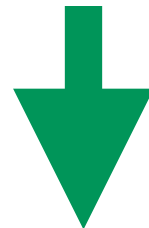
**Acquire Data**



**Tell a Story**



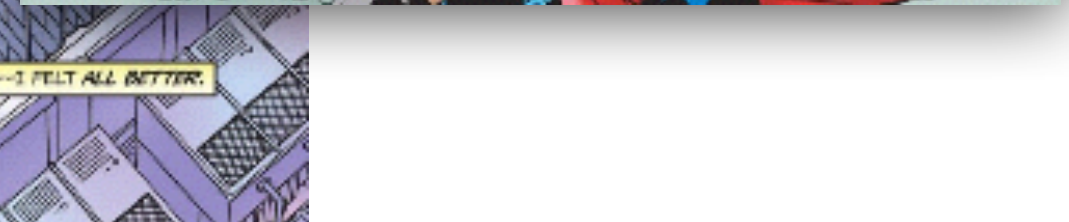
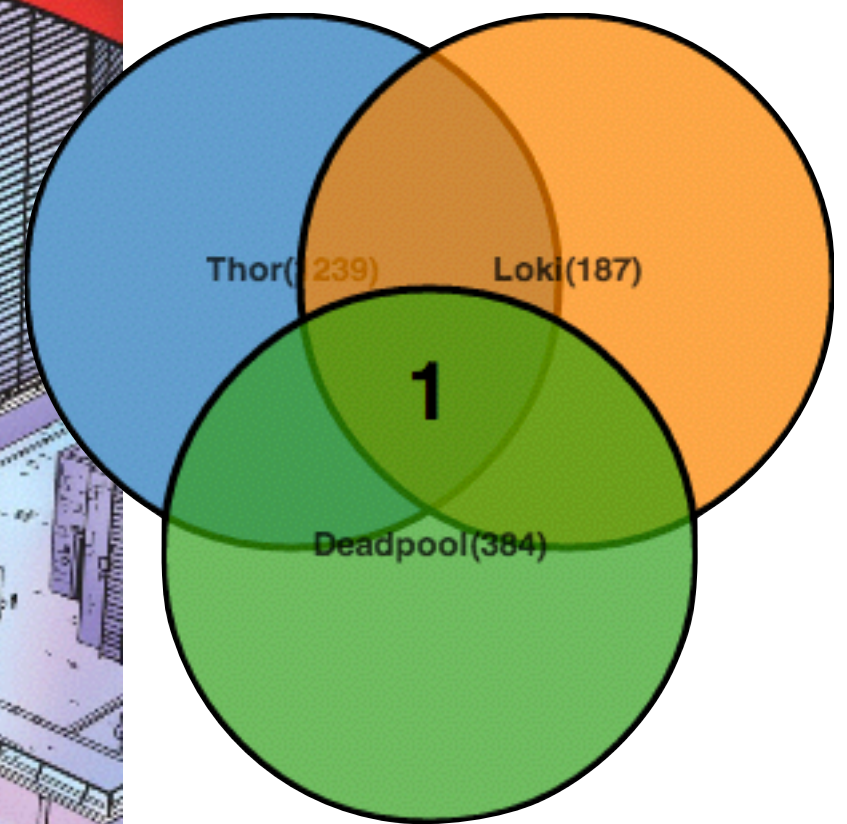
**Explore First**



**Investigate**





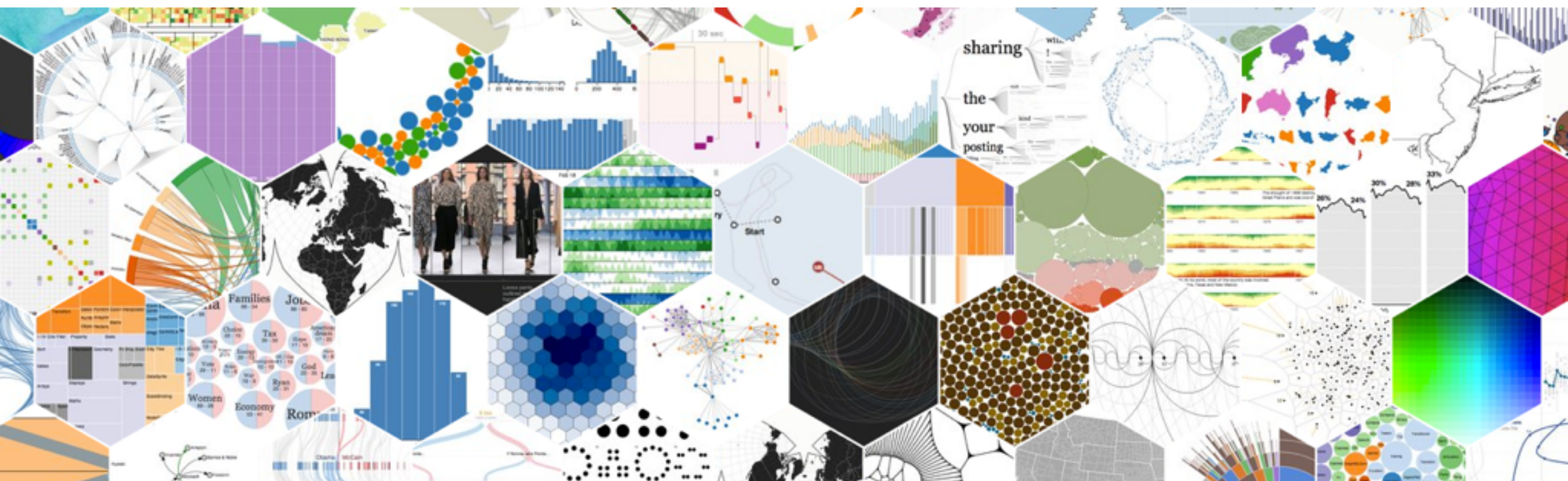




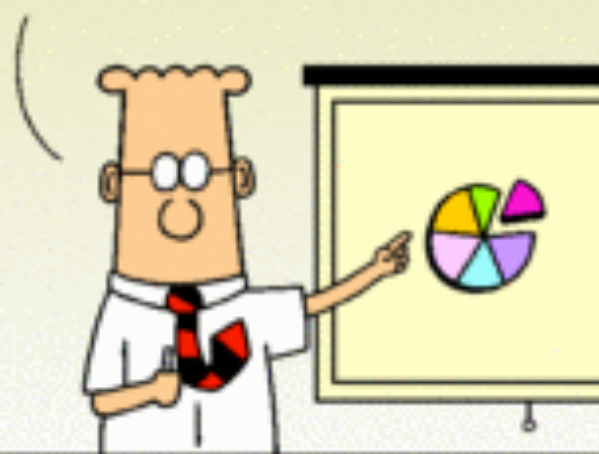


[gelicia.com/midwestJSD3/](https://gelicia.com/midwestJSD3/)

[github.com/gelicia/midwestJSD3](https://github.com/gelicia/midwestJSD3)



I DIDN'T HAVE  
ANYTHING USEFUL  
TO SAY SO I MADE  
THIS PIE CHART.





# D3 Ecosystem

<http://gelicia.com/d3metaLibPresent/d3.html>

## Charting Libraries

**NVD3** - <http://app.raw.densitydesign.org/>

**D4** - <http://visible.io/>

## Web Apps

**Vida** - <https://vida.io/>

**Raw** - <http://app.raw.densitydesign.org/>

Vega

JSON

**Lyra** - <http://idl.cs.washington.edu/projects/lyra/>  
**Something that can export JSON**

**Completeish list:** <http://bit.ly/T3Prgv>

*Learning D<sub>3</sub>*

# Examples

Start here!

<http://biovisualize.github.io/d3visualization/>

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

<http://bl.ocksplorer.org/>

API Reference

(<https://github.com/mbostock/d3/wiki/API-Reference>)

Start here!

<http://bost.ocks.org/mike/example/>



[Simple\(?\) Horizontal Stacked Bar Charts](#)

**Visits: 2152**

**Forks: 3**

02.16.2013



[Simple\(?\) Stacked Bar Charts](#)

**Visits: 724**

**Forks: 4**

02.13.2013

# Online Community

## Google group

<https://groups.google.com/forum/#!forum/d3-js>

## IRC

#d3.js on Freenode

## Tutorials

<http://enjalot.github.io/intro-d3/frontendmasters/>

## Twitter

@d3visualization

@DashingD3js

# Offline Community

## Meetups

<http://www.meetup.com/Twin-Cities-D3js/>

<http://www.meetup.com/Twin-Cities-Visualization-Group/>

## Books

Scott Murray, **Interactive Data Visualization for the Web**  
<http://alignedleft.com/work/d3-book>

Elijah Meeks, **D3.js In Action** (in early release)  
<http://manning.com/meeks/>

# Special Topics

## **Angular / Backbone / MV\***

Theres an Angular talk tomorrow at 1:30 in this room!

## **Big data**

Design decisions

## **Canvas vs SVG**

Canvas - Better for lots of objects

SVG - Better for interaction

## **Mobile / Responsive**

<http://mobilev.is/>

No hover!

*Thank you!*

@gelicia

[gelicia.com/midwestJSD3](https://gelicia.com/midwestJSD3)