An Intro to D3.js

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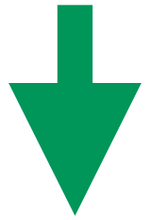
Developing Data Visualizations

Acquire Data

Tell a **Story**

Explore First

Investigate



Program!

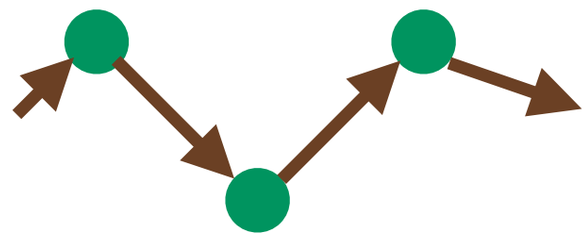
http://www.peachpit.com/store/functional-art-an-introduction-to-information-graphics-9780321834737

Acquire Data

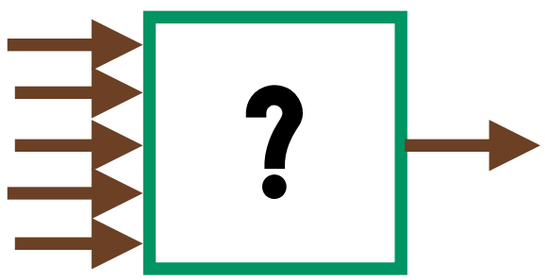
Get a point of contact for questions

Tell a **Story**

Story-based



Tool



Explore First

http://gelicia.com/mplsCrimeMapODD/

Investigate

Think about data's context and bias

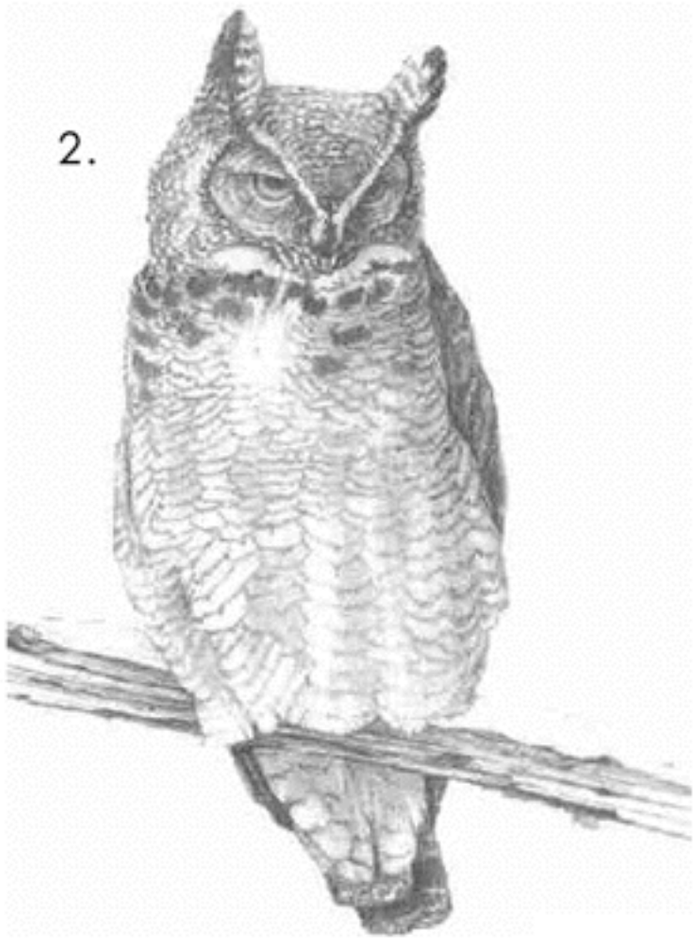
Program!

D3 Example Time

1.

```
d3.drawTwoCircles();
```

2.



```
d3.drawTheRestOfTheOwl();
```

Joke Courtesy of Elijah Meeks

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

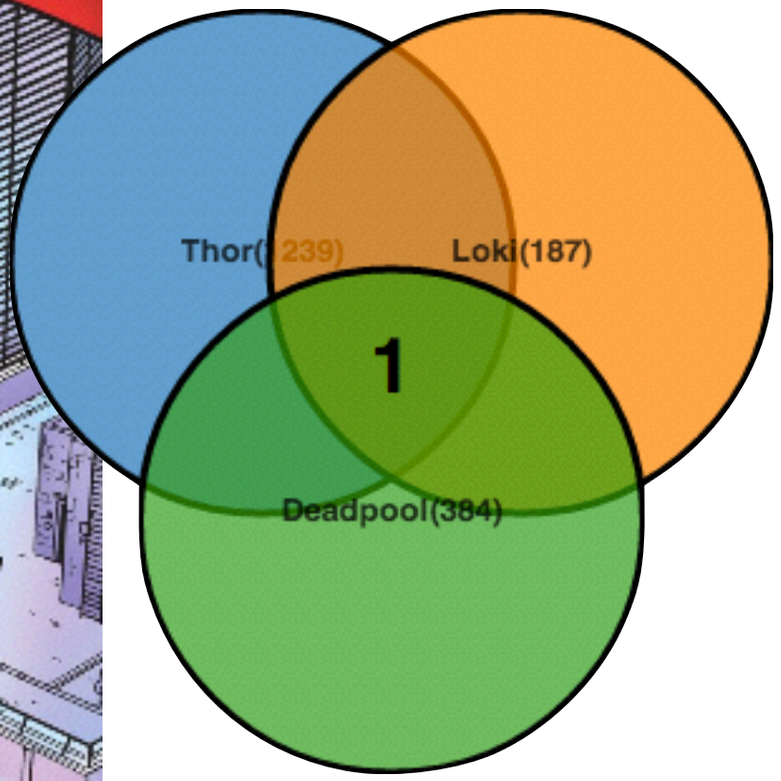
↓

Investigate

↓

CAN I KEEP THIS?
BUT OF COURSE.
OKAY, "DAD" I'M IN.
MAKE YOUR PLAY.

AND THEN, JUST LIKE THAT--
--I FELT ALL BETTER.


Thor(239)
Loki(187)
1
Deadpool(384)

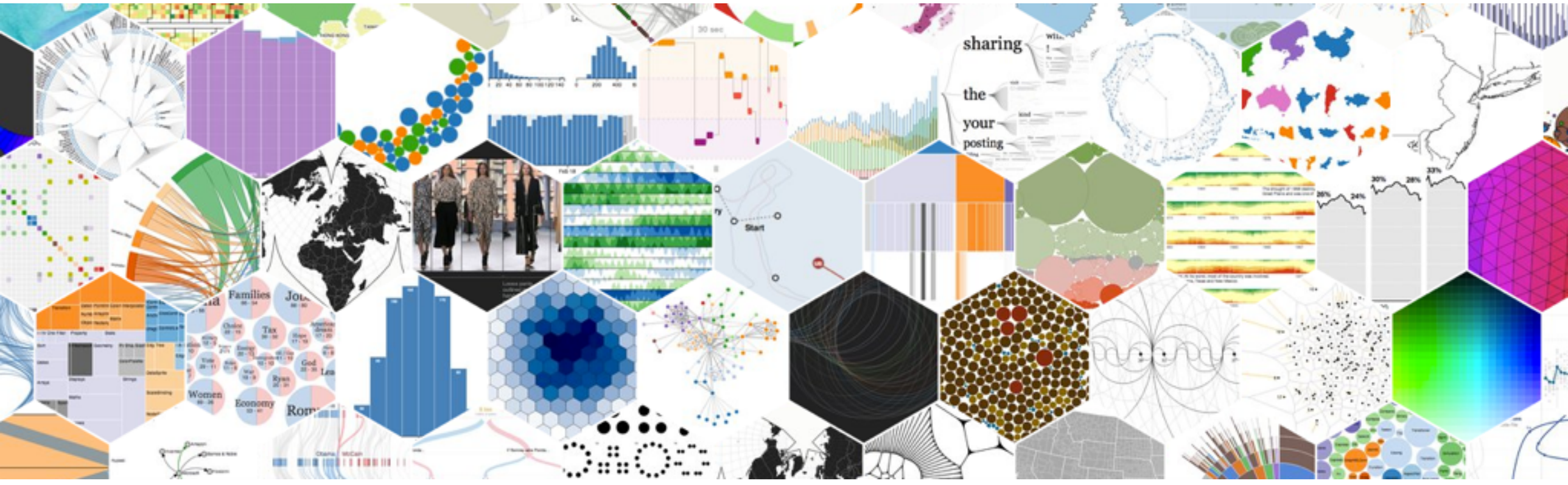
WHAAMM

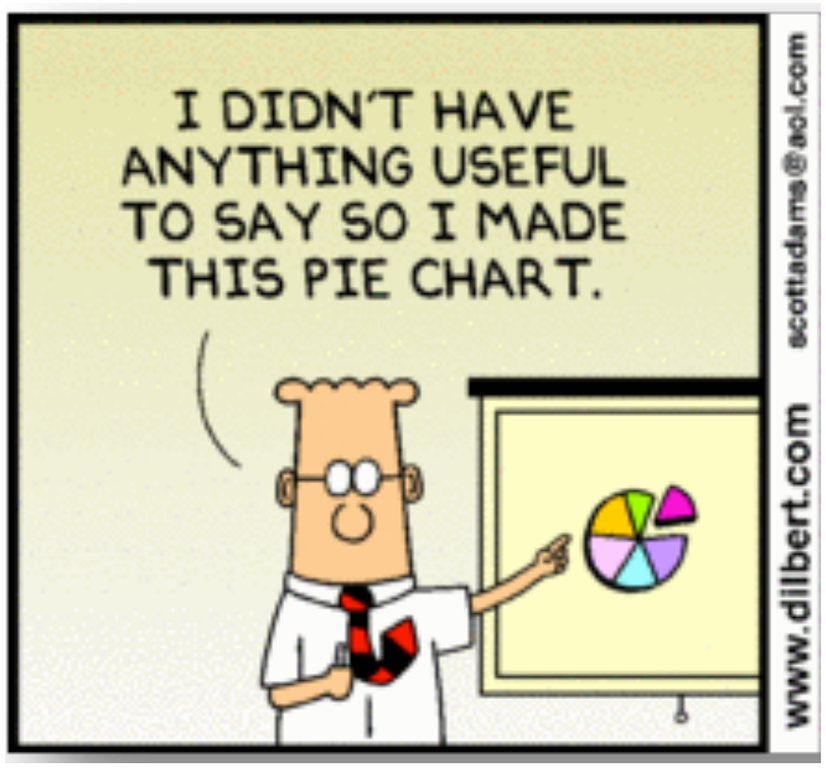
57 CORDITAS.
AND SOME CHIPS.
TACO BELL
NO THANKS. I BROUGHT MY OWN.
STEEEEE-RIKE!

gelicia.com/midwestJSD3/

github.com/gelicia/midwestJSD3

*procrastination level: octocow


sharing
the
your
posting
Start
Families
Tax
Women
Economy
God
Ryan


I DIDN'T HAVE ANYTHING USEFUL TO SAY SO I MADE THIS PIE CHART.
scottadams@aol.com
www.dilbert.com

D3 Ecosystem

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

JS

D3.js

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 D3

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/

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!

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