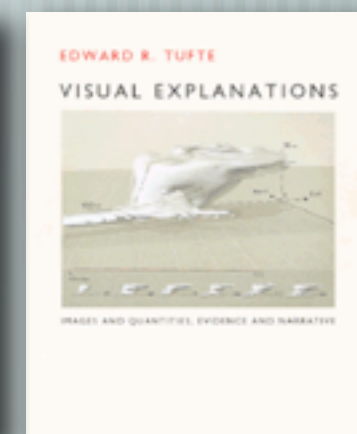# Angular + D3

Data Visualization

Sure, big data, but then what?

Edward Tufte

Napoleon's March to Moscow   The War of 1812

SECOND EDITION
The Visual Display of Quantitative Information

Envisioning Information

VISUAL EXPLANATIONS
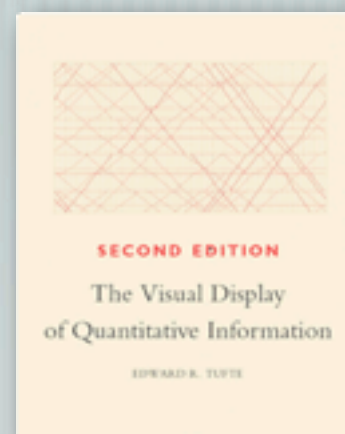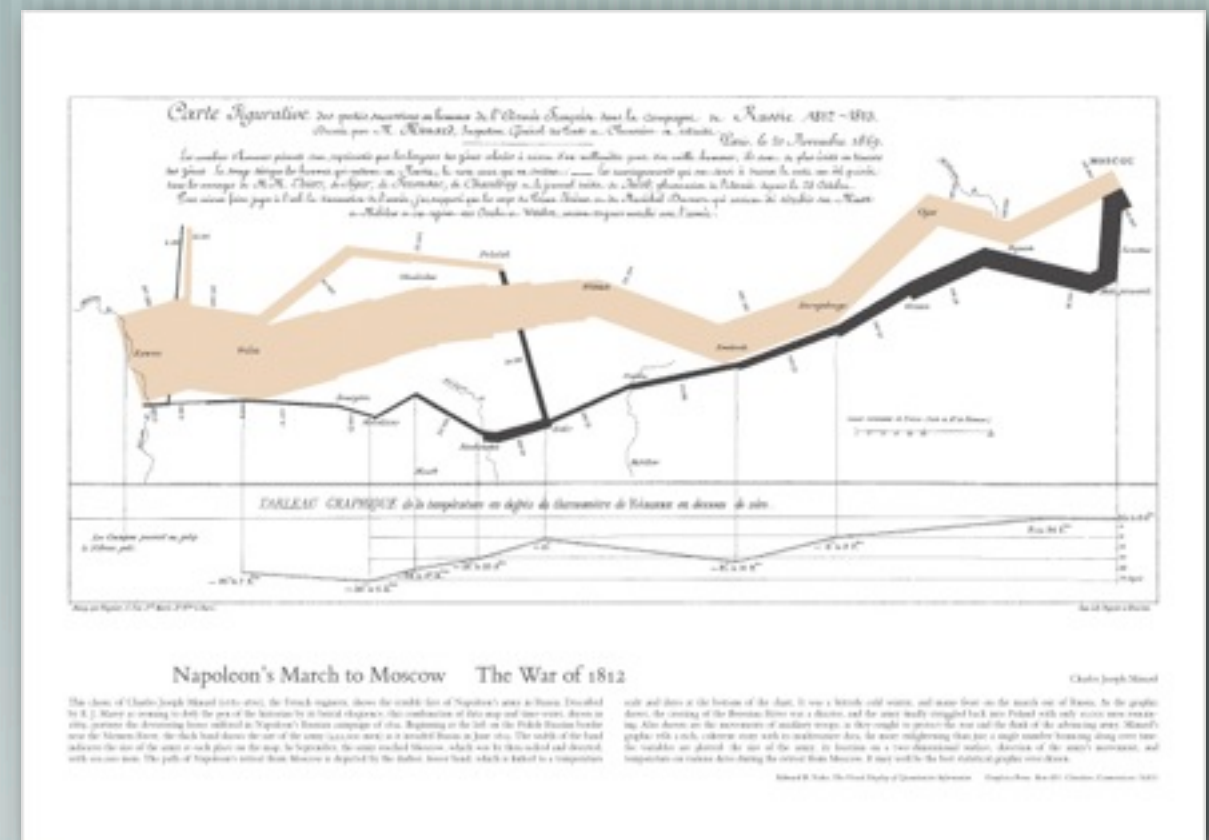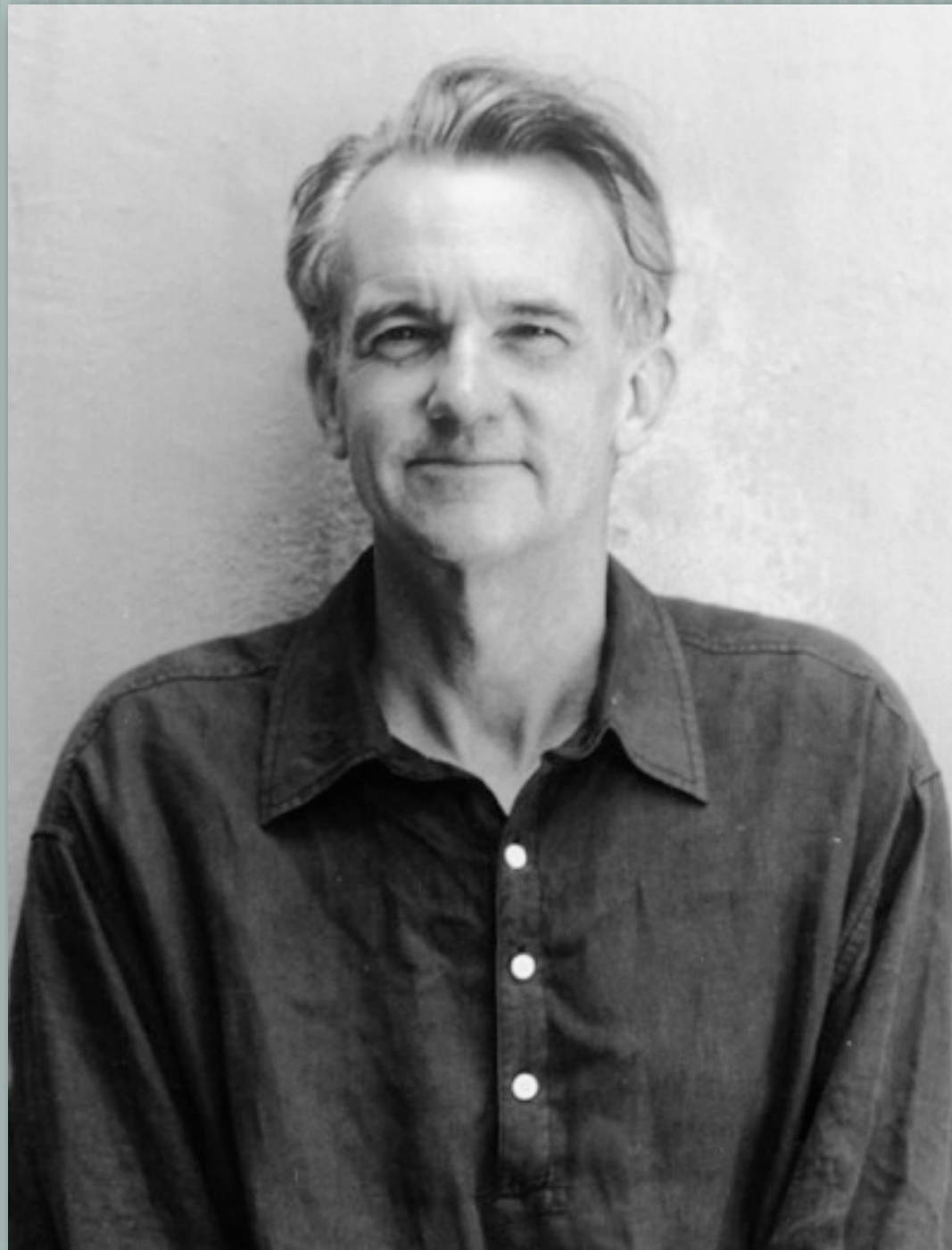
About D3

- Stands for Data Driven Documents

- Library for building dynamic visualizations in JS

- Written by Mike Bostock

- Powers the cool NY Times visualizations
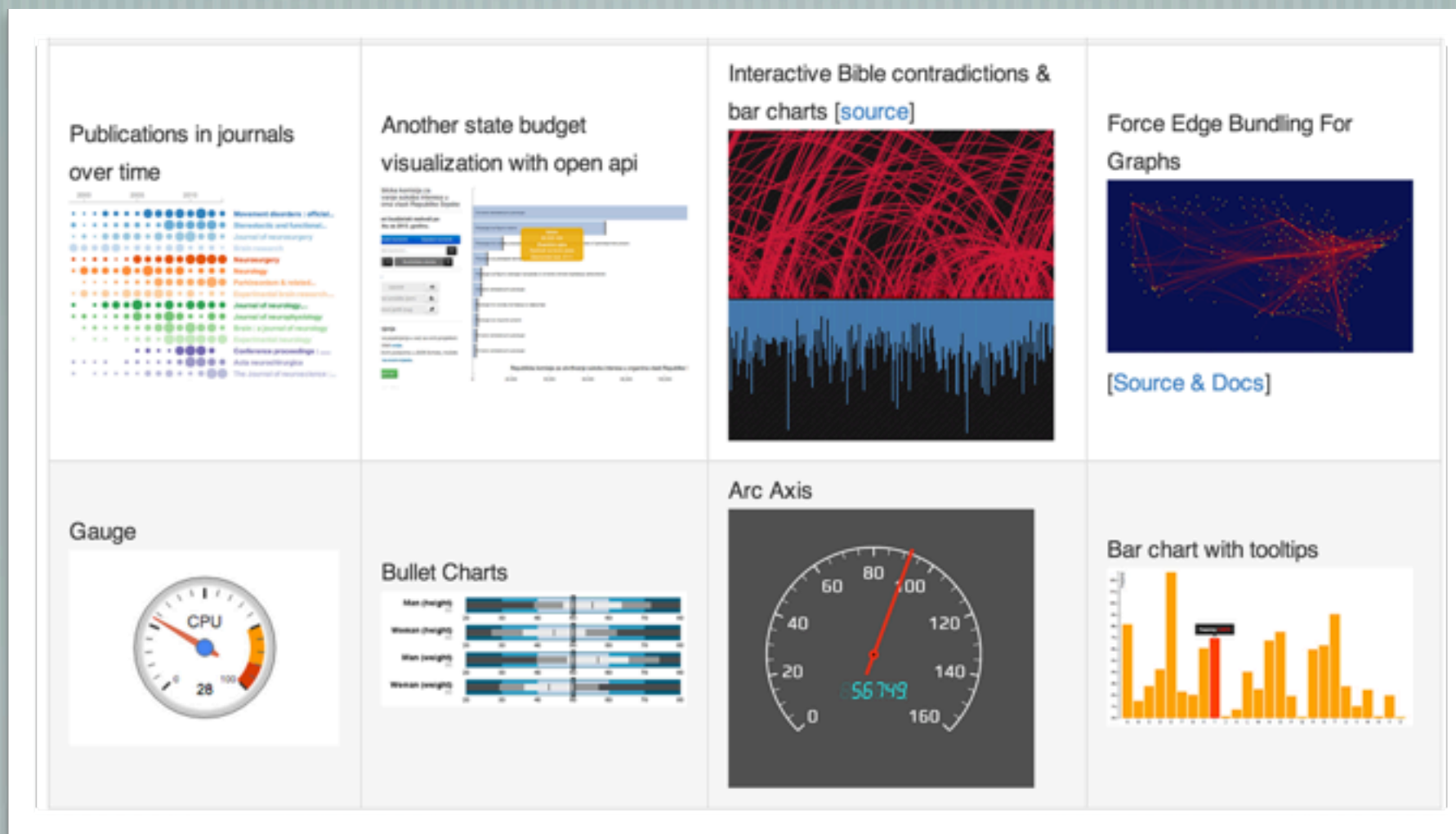
- Primarily uses Scalable Vector Graphics (SVG)

Playing Together

1. The vanilla D3 gauge visualization

2. Setting up angular

3. Building the directive

4. Connecting to the D3 object

5. Handling click events

Code Time!

Bring on the code!

Playing Together - Part 1

1. The vanilla D3 gauge visualization

2. Setting up angular

3. Building the directive

Thursday, October 3, 13

Jeff says:

"Oh yeah, <u>ooh, ah, that's how it always starts</u>, but then later there's <u>running</u>, then <u>screaming</u>."

The Battle

Playing Together

4. Connecting to the D3 object

5. Handling click events

Two Critical Pieces

Independent scope for each directive

Getting the element and sending it to D3

Gotchas

D3 code not always structured as Javascript classes

D3 code can be pretty complex

Use click handlers to send back events

Click handlers will need to call $scope.$digest

Polymer

Hexbin

Q&A