D3

Data Driven Documents

Agenda

Day 1

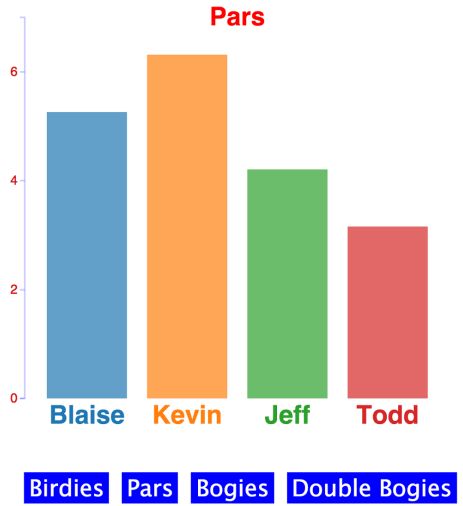
- What is D3?
- D3 Data and the DOM
- Building a Golf Scorecard
- Loading and Traversing Data
- Introducing SVG
- Creating Golf Scores Bar Graph

Day 2

- Quantitative Scales
- Ordinal Scales and Axis
- Transitions
- Interacting with Visualizations
- Improving the Golf Scores Graph
- Intro to Data Mapping

What We Will Build

Panorama Pines	hole 1	hole 2	hole 3	hole 4	hole 5	hole 6	hole 7	hole 8	hole 9	hole 10	hole 11	hole 12	hole 13	hole 14	hole 15	hole 16	hole 17	hole 18	hole par
	4	4	3	5	3	4	4	5	4	3	4	4	3	5	5	4	3	5	72
Mike	5	5	4	4	3	4	5	6	3	3	4	4	5	7	7	6	6	8	89
Doug	3	4	3	4	3	4	5	5	4	3	4	3	3	6	5	4	2	5	70
Pat	4	4	5	5	3	4	3	5	5	3	4	5	3	6	5	4	2	6	76
Barry	6	7	6	6	4	5	5	5	4	3	4	4	3	4	4	3	2	4	79



Data-Driven Documents

What is D3

- A JavaScript library for manipulating documents based on data
- Elements can be HTML, SVG, or Canvas
- Uses open web standards for visualizations
- Works with modern browsers

What can it do?

- Load Data
- Visualize data with DOM elements
- Apply Transitions and Animations to Data
- Easy to add interactivity to visualizations

Using JSBin

JSBin is a cloud-based editor for coding HTML, CSS, and JavaScript.

To use:

Go to www.jsbin.com.

Getting the Files

- Course files are hosted on GitHub.
- https://github.com/MoonTahoe/D3-intro

    - Clone or Download Zip

```
$ git clone https://github.com/MoonTahoe/D3-intro.git
```

Resources

- www.d3js.org
- Data Visualization with D3.js Cookbook - PDF
- Data Visualization with D3.js Cookbook - GitHub
- D3 Resources

Thanks for Attending

- Please complete the evaluation
- Send questions to alex@moonhighway.com
- www.github.com/MoonTahoe/D3-intro/