



# Intro to D3.js

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# Outline

- What is D3.js and Setup
- SVG, Scales, and Axes
- Selections and Data
- Shapes and Transitions
- Questions and Resources

**Example Visualization**



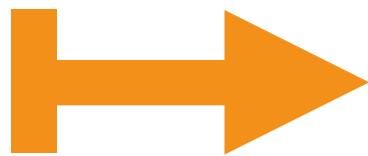
# What is D3.js?



**Mike Bostock**

- Data-Driven Documents
- JavaScript library for data visualization
- Developed at Stanford in 2011
- Used by NYT and 538

**Data**



**Elements**

# HTML/CSS/JS

## HTML



- Document Structure
- Text & Content

## CSS



- Layout & Position
- Style & Color

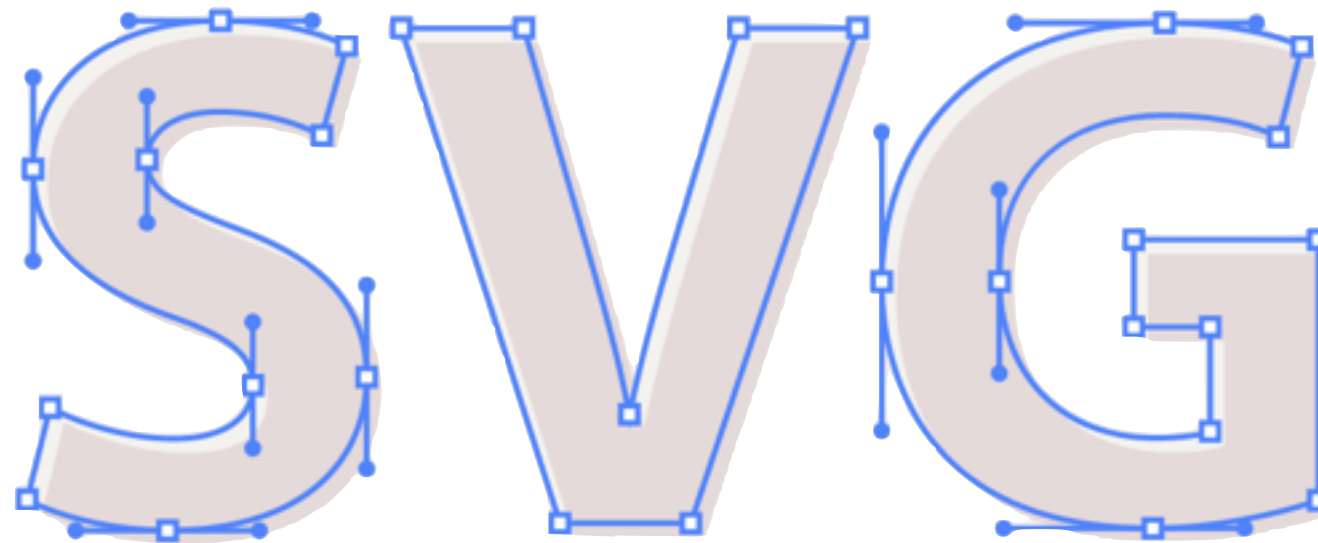
## JavaScript



- Functionality

↑  
D3.js

# Scalable Vector Graphics



- Graphical elements are in the DOM
- Easily create basic shapes: `<circle>` , `<ellipse>` ,  
`<line>` , `<polygon>` , `<polyline>` , `<rect>`
- “Canvas” to render D3.js visualization on

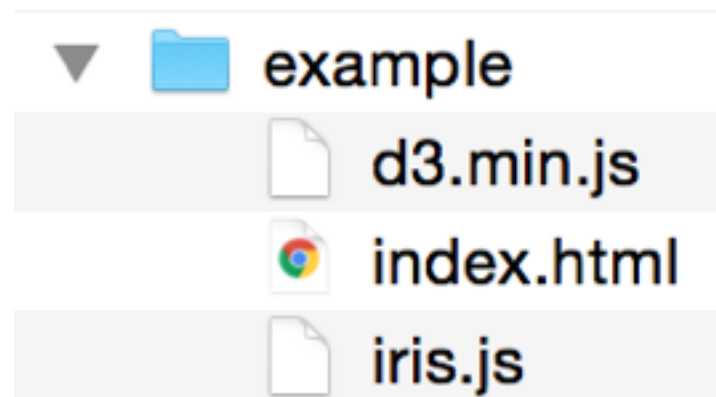
# Getting Started

*github.com/danielkunikin/Brown-Datathon-2017*

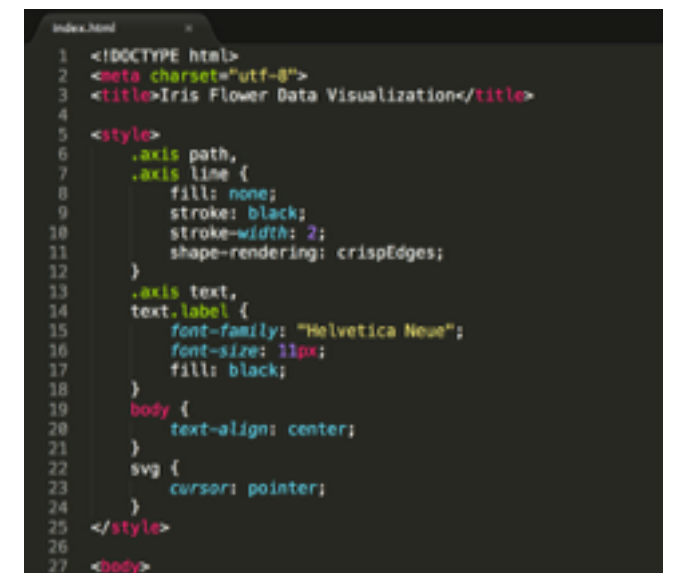
(1) Download



(2) Find

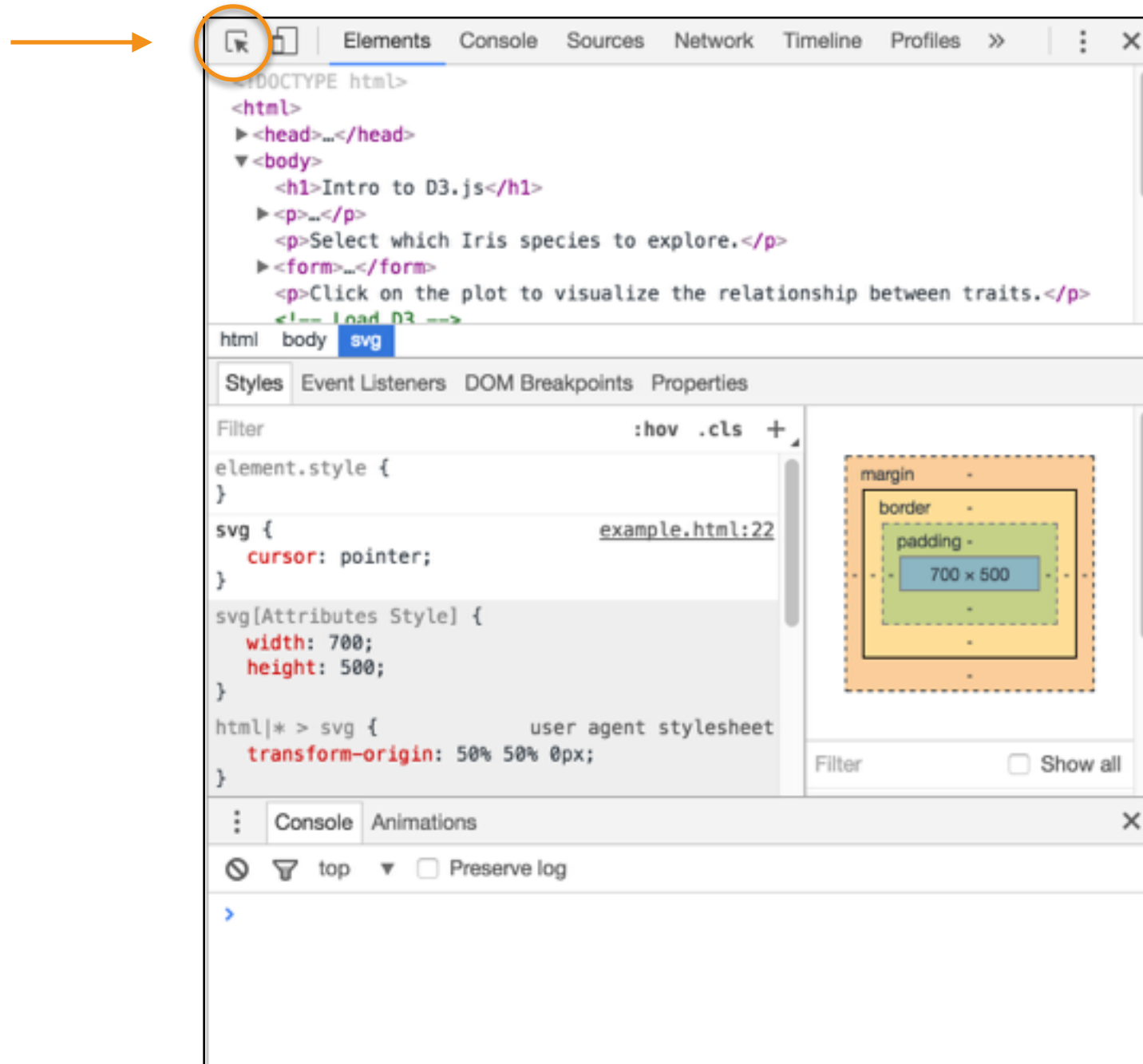


(3) Open



# Inspector

Selector

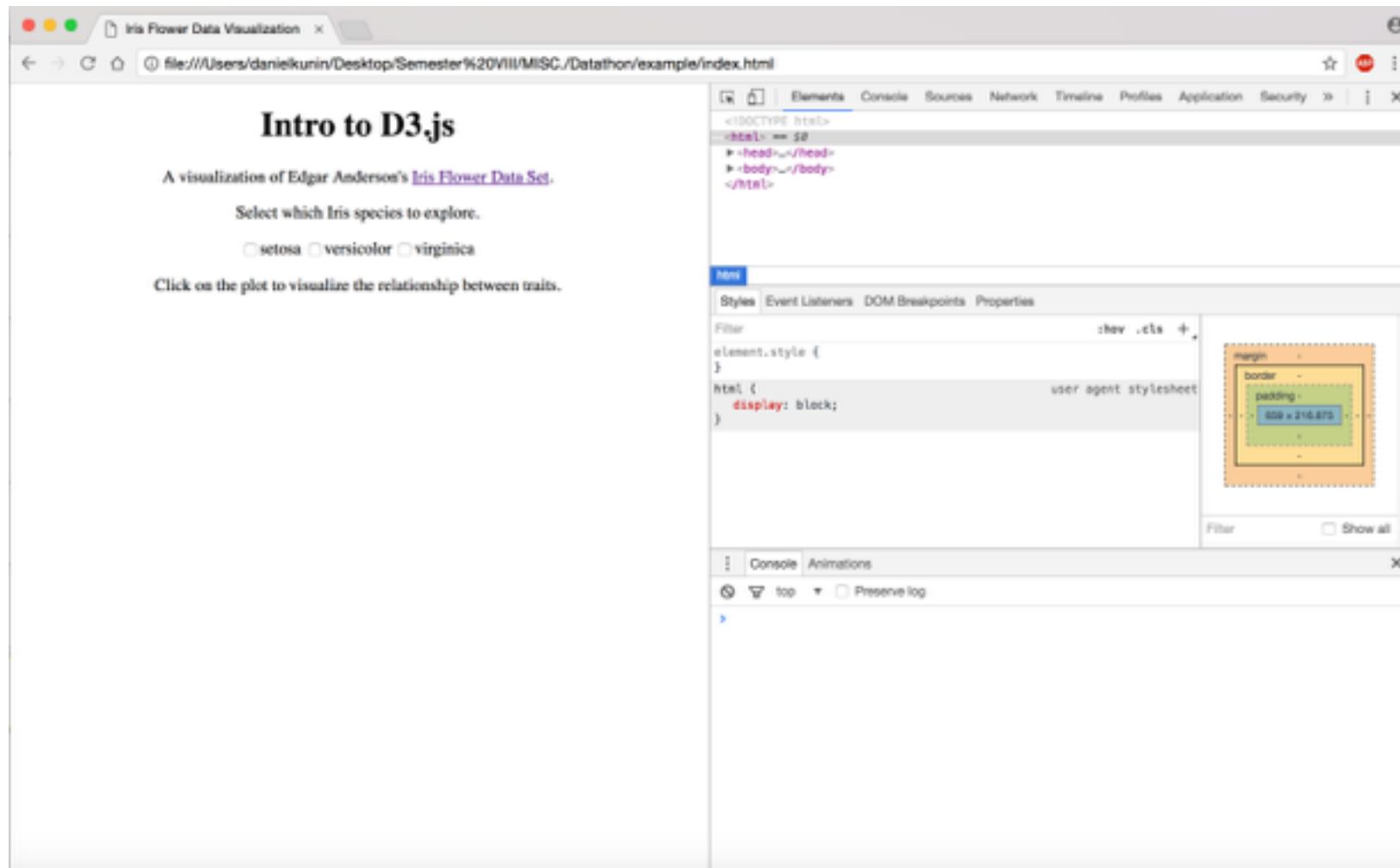


HTML

CSS

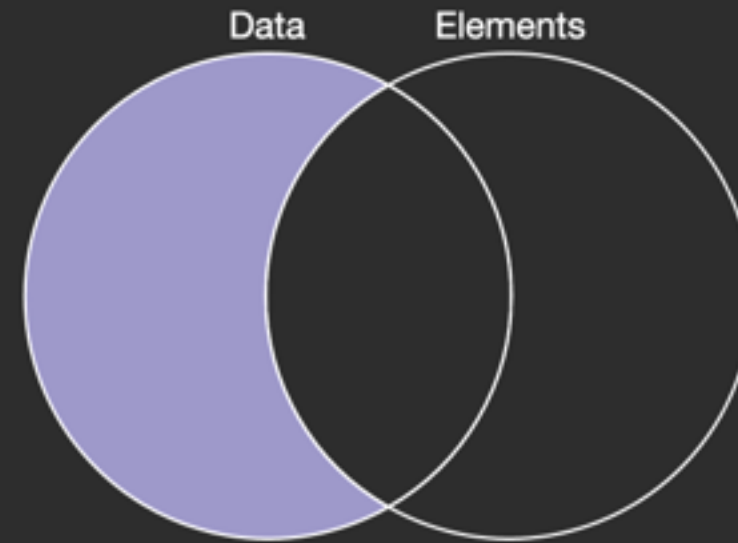
JS Console

# Demo

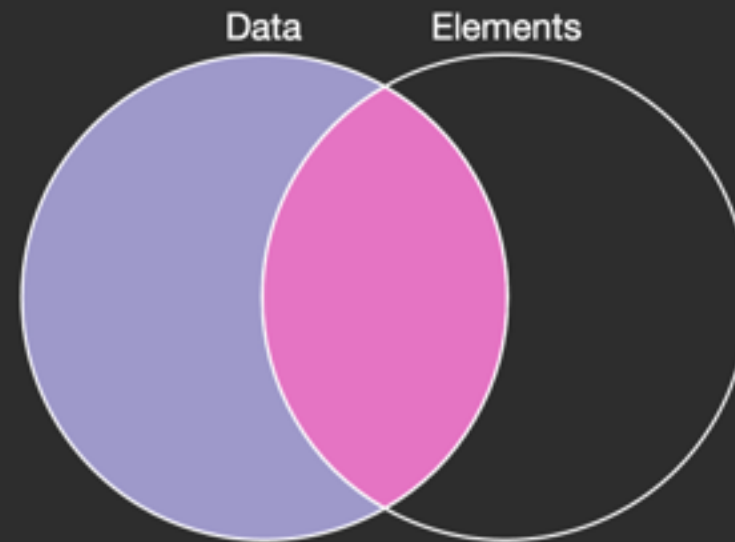




# Enter



# Update



# Exit

