

D3

**D3** is a JavaScript library that is used to create beautiful and interactive data visualizations. Documentation [here](#).

```
d3.selectAll  
(".d3_p").style("color", "blue");
```

METHOD	USAGE
<code>.attr()</code>	Update selected element attribute
<code>.classed()</code>	Assigns or unassigns the specified CSS class names on the selected elements
<code>.style()</code>	Updates the style property
<code>.property()</code>	Used to set an element property
<code>.text()</code>	Updates selected element text content
<code>.html()</code>	Sets the inner HTML to the specified value on all selected elements
<code>.append()</code>	Appends a new element as the last child of the selected element
<code>.insert()</code>	Works the same as the <code>.append()</code> method, except you can specify another element
<code>.remove()</code>	Removes selected element from the DOM

[What is D3? | D3 by Observable \(d3js.org\)](#)

svg container to make it so line actually appears  
Stroke-offset function  
line goes to each dot individually(or each data point)

initialization & key for it so that it works  
create a controller that allows you to interact with it, create a function that waits for the page to load, build two scenes, one for zoom in, one for zoom out(scroll up zoom out, scroll down zoom in)  
did .add to two  
changing how much you want to zoom

Hover to interact with graph:  
no css or html(except margin if you want)  
only svg tag for html  
initial part sets up code(axis & interval)

Hover: Creates line based on data & sorts into variable & puts different attributes(makes gray & low opacity)  
event listener(different things depending on if mouse is over line)  
You can change color using stroke & use .attr() to change width  
underneath it you can do .on("mouseout")

graph is transparent while one box stays(static background)