D3 is data driven

d3.select("ul").selectAll("li");

d3.select("ul").selectAll("li")

.each(function(d, i) {

console.log("element:", this, ' data:', d, 'index:',i);

});

The d, I with in the function stands for data , and i stands for index

Below the data is undefined as there is no value for it

// Access elements' data

// returns an array of undefined items

d3.select("ul").selectAll("li").data();

will assien a value to the first three with in the li but the last one is undefuned data value

var arr = [50, 55];

d3.select("ul").selectAll("li").data(arr);

d3.select("ul").selectAll("li").data();

this part d3 selects the ul and then all the li

will select the variable ARR with the data in it

and append it to the li Enter is telling it if there is no list for it then add a space for that data.

So if there is 5 numbers with in the array and only 3 with in the li .. it will add 2 more spaces

/ Second, create new elements for extra data points

d3.select("ul")

.selectAll("li")

.data(arr)

.enter()

.append("li")

.text(function(d) {

return d;

});