

## script.js

```
1  function init() {
2
3      /*
4      This is the "starting" Code for our data vis Project
5      Just provisionally
6      */
7
8      var w = 500;
9      var h = 300;
10
11     var padding = 40;
12
13     var dataset = [
14         [5, 20, 10],
15         [500, 90, 10],
16         [250, 50, 12],
17         [100, 33, 18],
18         [330, 95, 6],
19         [410, 12, 8],
20         [475, 44, 17],
21         [25, 67, 9],
22         [85, 21, 8],
23         [220, 88, 10]
24     ];
25
26     var circleRadius = 3
27
28
29     var xScale = d3.scaleLinear()
30         .domain([d3.min(dataset, d => d[0]), d3.max(dataset, d => d[0])])
31         .range([padding, w - padding]);
32
33     var yScale = d3.scaleLinear()
34         .domain([d3.min(dataset, d => d[1]), d3.max(dataset, d => d[1])])
35         .range([h - padding, padding]);
36
37
38     var xAxis = d3.axisBottom()
39         .ticks(5)
40         .scale(xScale);
41
42     var yAxis = d3.axisLeft()
43         .ticks(5)
44         .scale(yScale);
45
46
47     var svg = d3.select("#chart")
48         .append("svg")
49         .attr("width", w)
50         .attr("height", h)
51
52
53     svg.selectAll("circle")
54         .data(dataset)
55         .enter()
56         .append("circle")
57         .attr("cx", d => xScale(d[0]))
```

```
58     .attr("cy", d => yScale(d[1]))
59     .attr("r", d => d[2])
60     .style("fill", d => d[0] > 300 ? "red" : "#2541B2");
61
62
63
64     svg.append("g")
65         .attr("transform", `translate(0, ${h - padding})`)
66         .call(xAxis);
67
68     svg.append("g")
69         .attr("transform", `translate(${padding}, 0)`)
70         .call(yAxis);
71
72 }
73
74 window.onload = init;
```