



```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8"/>
5      <meta name="description" content="Data Visualisation"/>
6      <meta name="keywords" content="HTML, CSS, D3"/>
7      <meta name="author" content="Anh Khoa"/>
8      <title>Task 2.4 D3 Loading Data from CSV</title>
9
10     <script src="https://d3js.org/d3.v7.min.js"></script>
11     <script src="chart.js" defer></script>
12 </head>
13
14 <body>
15     <h1>The D3 Journey starts here...</h1>
16
17     <div id="chart"></div>
18
19     <footer style="color: grey">COS30045 Data Visualisation<br>
20         Joe Bloggs
21     </footer>
22 </body>
23 </html>
```

```
1 window.onload = function () {
2     const w = 500;
3     const h = 300;
4     const padding = 10;
5
6     d3.csv("Task_2.4_data.csv").then(function (data) {
7         const dataset = data.map(d => +d.wombats);
8
9         const barWidth = w / dataset.length;
10
11         const yScale = d3.scaleLinear()
12             .domain([0, d3.max(dataset)])
13             .range([h - padding * 2, 0]);
14
15         const svg = d3.select("#chart")
16             .append("svg")
17             .attr("width", w)
18             .attr("height", h);
19
20         svg.selectAll("rect")
21             .data(dataset)
22             .enter()
23             .append("rect")
24             .attr("x", (d, i) => i * barWidth)
25             .attr("y", d => yScale(d))
26             .attr("width", barWidth - padding)
27             .attr("height", d => h - yScale(d) - padding * 2)
28             .attr("fill", d => d > 20 ? "tomato" : d > 10 ? "orange" : "green");
29
30         svg.selectAll("text")
31             .data(dataset)
32             .enter()
33             .append("text")
34             .text(d => d)
35             .attr("x", (d, i) => i * barWidth + (barWidth - padding) / 2)
36             .attr("y", d => yScale(d) - 5)
37             .attr("text-anchor", "middle")
38             .attr("font-size", "12px")
39             .attr("fill", "black");
40     });
41 };
42
```