2.4.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8"/>
    <meta name="description" content="Data Visualisation"/>
    <meta name="keyword" content="HTML, CSS"/>
    <meta name="author" content="Minh Nguyen"/>
    <title>Task 2.4 D3 Loading Data with CSV</title>
    <script src="https://d3js.org/d3.v6.min.js"></script>
    <script src="2.4.js"></script>
</head>
<body>
    <h1>Drawing with Data</h1>
    <p id="chart"></p>
    <br>
    <bf></bf>
    <footer style="color:grey">COS30045 Data Visualisation<br>Minh
Nguyen</footer>
</body>
</html>
```

2.4.js

```javascript
function init(){
    var w = 500;
    var h = 100;
    var barPadding = 1;

    d3.csv("data.csv").then(function(data) {
        console.log(data);
        wombatSightings = data;
        barChart(wombatSightings);
    });

    var svg = d3.select("#chart")
                .append("svg")
                .attr("width", w)
                .attr("height", h);

    function barChart() {
        svg.selectAll("rect")
        .data(wombatSightings)
        .enter()
        .append("rect")
```

```javascript
        .attr("x", function(d, i){
            return i * (w/wombatSightings.length); //change the amounts of
data relative to the dataset
        })
        .attr("y", function(d){
            return h - (d.wombats*4); // invert y-axis to flip bars
        })
        .attr("width", (w/wombatSightings.length)-barPadding) //change the
space relative to the dataset
        .attr("height", function(d){
            return d.wombats*4;
        })
        .attr("fill", function(d){
            if (d.wombats > 10) {
                return "green";
            } else {
                return "red";
            }
        })// add color to bars

            // Add text indicating the number of wombat sightings
            svg.selectAll("text")
            .data(wombatSightings)
            .enter()
            .append("text")
            .text(function(d) { return d.wombats; })
            .attr("x", function(d, i) {
                return i * (w / wombatSightings.length) + ((w /
wombatSightings.length) - barPadding) / 2; // center text horizontally
            })
            .attr("y", function(d) {
                return h - (d.wombats * 4) + 20; // position text slightly
above the bar
            })
            .attr("text-anchor", "middle") // center text horizontally
            .attr("fill", "white"); // set text color to white
    };
    }
window.onload = init;
```

Drawing with Data

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