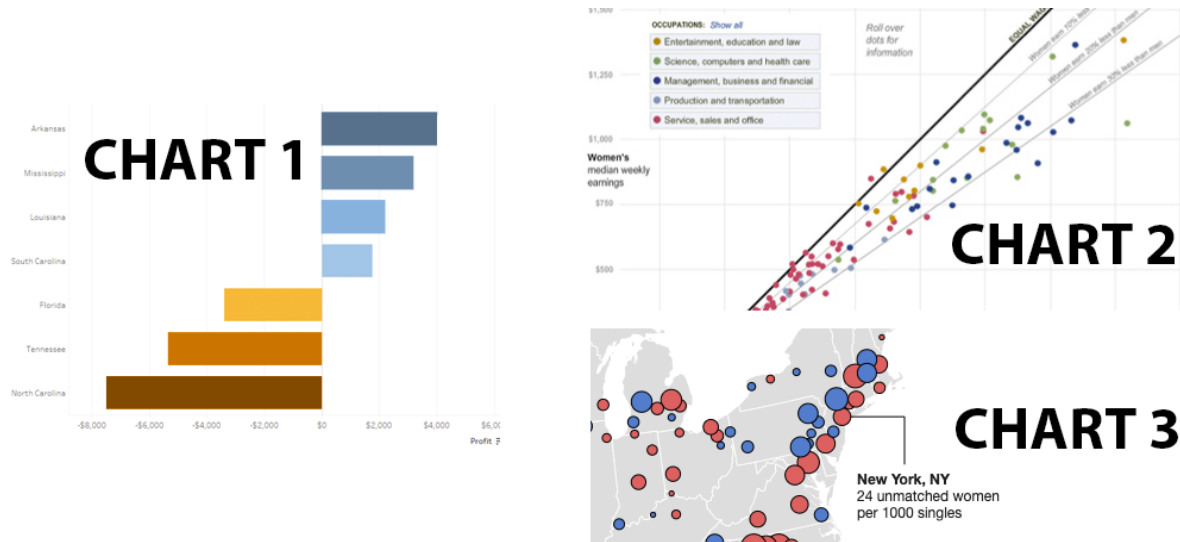


Your name:

Do Now

1. You have a few kinds of scales: `scaleLinear`, `scaleBand`, `scaleSqrt`, `scaleOrdinal`. What kind of scale (if any) do you use in each of these situations, and what is the scale's variable name?



- Chart 1: A chart of states vs profit
 - Bar position, Y axis
 - Bar width
 - Bar height
- Chart 2: Women's earnings vs men's earnings, colored by industry
 - Circle position, X axis
 - Circle position, Y axis
 - Size of circles
 - Color of circles
- Chart 3: Map of single men vs single women in cities
 - Size of circles
 - Color of circles

2. Why/when do you need to run a server? What command do you use to run a server?

MORE ON BACK

CONTINUED FROM OTHER SIDE

3. Mark any errors you see in the code below.

```
var width = 700,
    height = 500

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

var xPositionScale = d3.scaleLinear().domain(0, 80000).range([0, width])
var yPositionScale = d3.scaleLinear()
    .domain([0, 10000]);
    .range([0, height])

d3.csv("countries.csv").then(ready)

function ready (datapoints)    {
    console.log("Data is",
        datapoints
    )

    svg.select_all("circle")
        .data(datapoints)
        .enter().append("circle")
    .attr(r, 5)
        .attr("cx", function (d) {
            return xPositionScle(d.gdp_per_capita) })
        .attr("cy", function (d) {
            return yPositionScale(d.life_expectancy)
        })
        .attr("fill", function (d) { colorScale(d.continent) })
        .attr("opacity", 0.5)
    }
}
```