Basic plots

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Scatter plot: Population vs Stores

```
ggplot(aes(x = XXXX, y = XXXX), data = summary2005) +
    geom_point()
```

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Scatter Plot: Add regression line

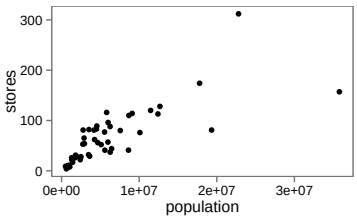

Figure 1: Population vs Stores

```
ggplot(aes(x = population, y = stores), data = summary2005) +
    geom_point() + geom_XXXX()
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Bubble plot: Bubble size represents market_share

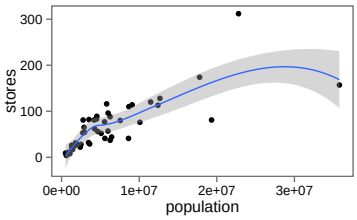

Figure 2: Population vs Stores

```
ggplot(data = summary2005) + geom_point(aes(x = population,
    y = stores, XXXX = market_share))
```

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Update the code so each bar represents the total population of the US for each year

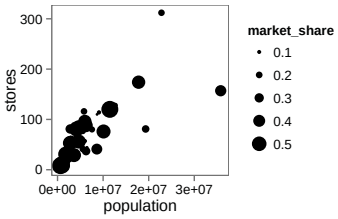

Figure 3: Bubble plot

```
ggplot(aes(x = factor(year), y = population),
    data = summary95_05) + geom_bar(stat = "identity",
    position = "identity")
```

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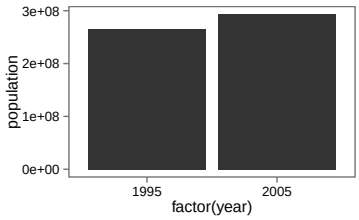

Figure 4:

Fix the code below to produce this plot

```
ggplot(aes(x = year, y = stores), data = summary) +
    geom_line()
```

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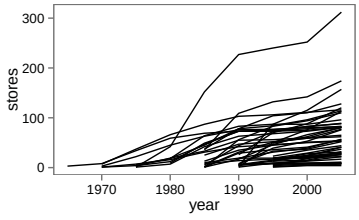

Figure 5:

Edit code to change lines color depending on state

```
ggplot(aes(x = year, y = stores, group = state),
    data = summary) + geom_line()
```

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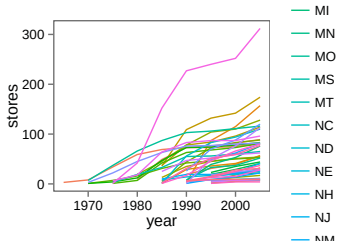

Figure 6:

Edit the code to produce the following small multiple

```
ggplot(aes(x = year, y = stores, group = state,
    color = state), data = summary) + geom_line()
```

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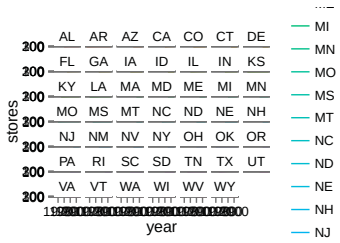

Figure 7:

[^tufte_latex]: `https://code.google.com/p/tufte-latex/` [^books_be]: `http://www.edwardtufte.com/tufte/books_be`