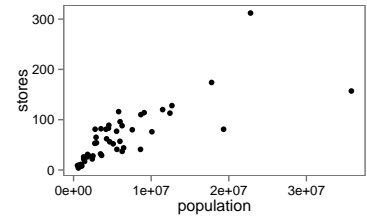# Basic plots
Tony Fujs
October 27, 2014

Scatter plot: Population vs Stores

```
ggplot(aes(x = XXXX, y = XXXX), data = summary2005) +
    geom_point()
```
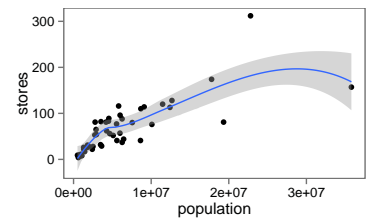
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Scatter Plot: Add regression line

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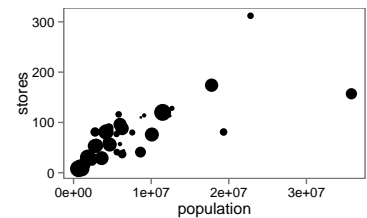
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Bubble plot: Bubble size represents market_share

```
ggplot(data = summary2005) + geom_point(aes(x = population,
    y = stores, XXXX = market_share))
```
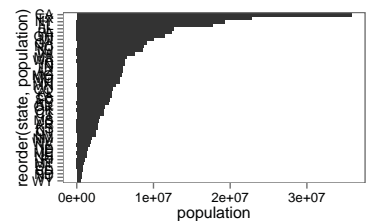
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Bar chart: ordered and flipped

```
ggplot(aes(x = reorder(state, population), y = population),
    data = summary2005) + geom_bar(stat = "identity") +
    coord_XXXX
```
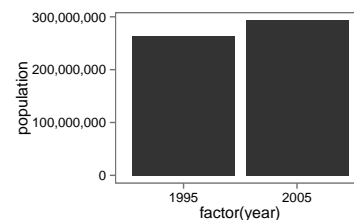
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Update the code so each bar represents the total population of the US for each year

```
ggplot(aes(x = factor(year), y = population),
    data = summary95_05) + geom_bar(stat = "identity",
    position = "identity")
```
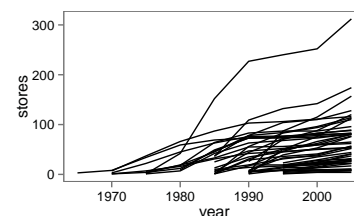
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Fix the code below to produce this plot

```
ggplot(aes(x = year, y = stores), data = summary) +
    geom_line()
```
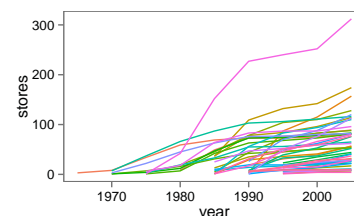
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Edit code to change lines color depending on state

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

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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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