

Homework 8: Small multiples and adding random bits and pieces

Completed version should look like [this one](#). Hints are, as always, in [hints/](#).

!! HOT TIP !!: The **last one** might be easier than the first and second one.

Chart 1: Multiple lines with annotations

Create a line graph of housing prices in different sections of the United States, illustrating how prices fall in winter. Data is from [housing-prices.csv](#)

1. Draw your axes
2. Draw your lines
3. Draw the circles at the end
4. Draw the text at the end
5. Color in lines, circles and text
6. Add the colored zone for winter - Dec through Feb
7. Add a title

This graph is bad, but we're making it anyway!

U.S. housing prices fall in winter

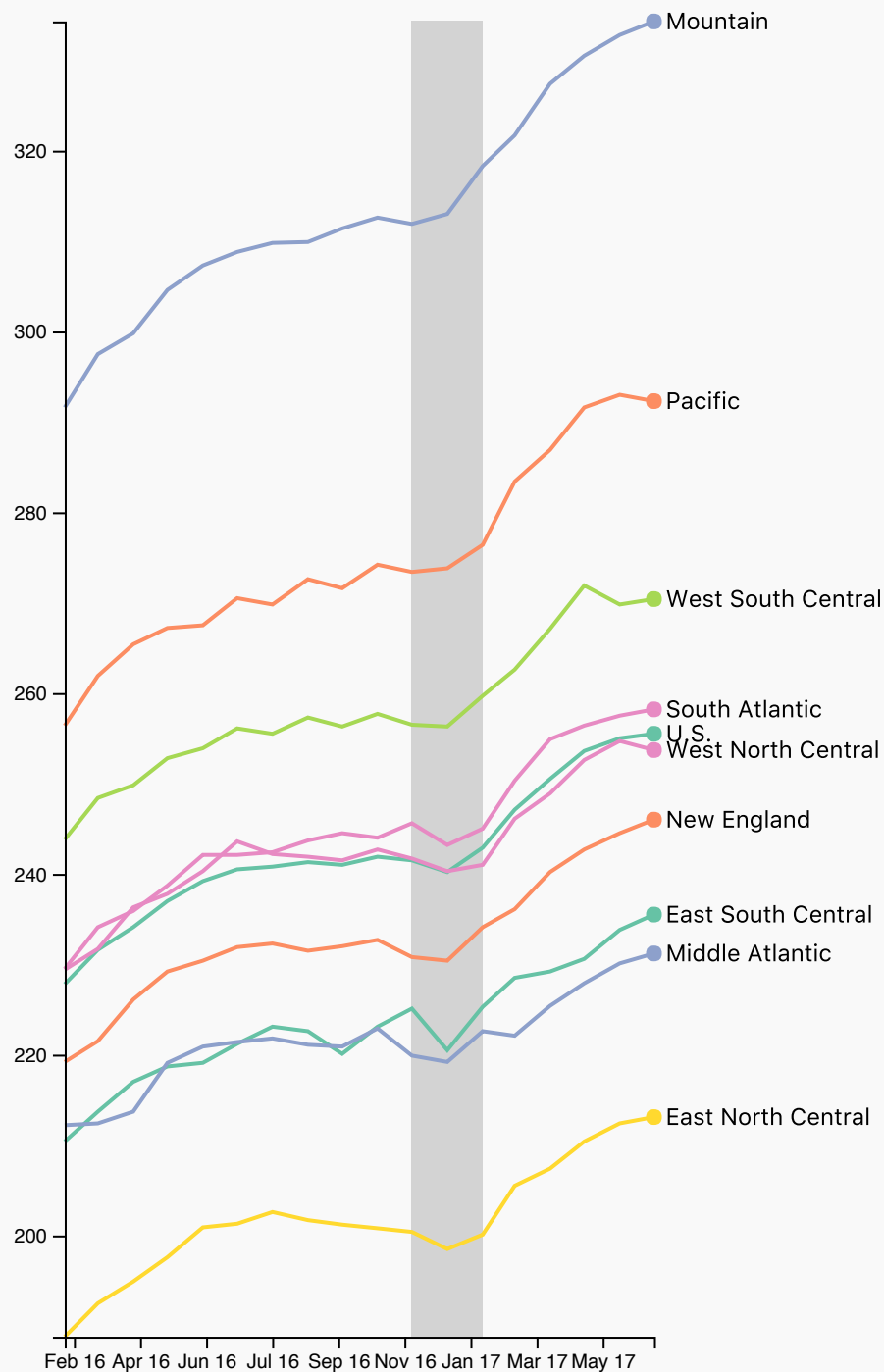
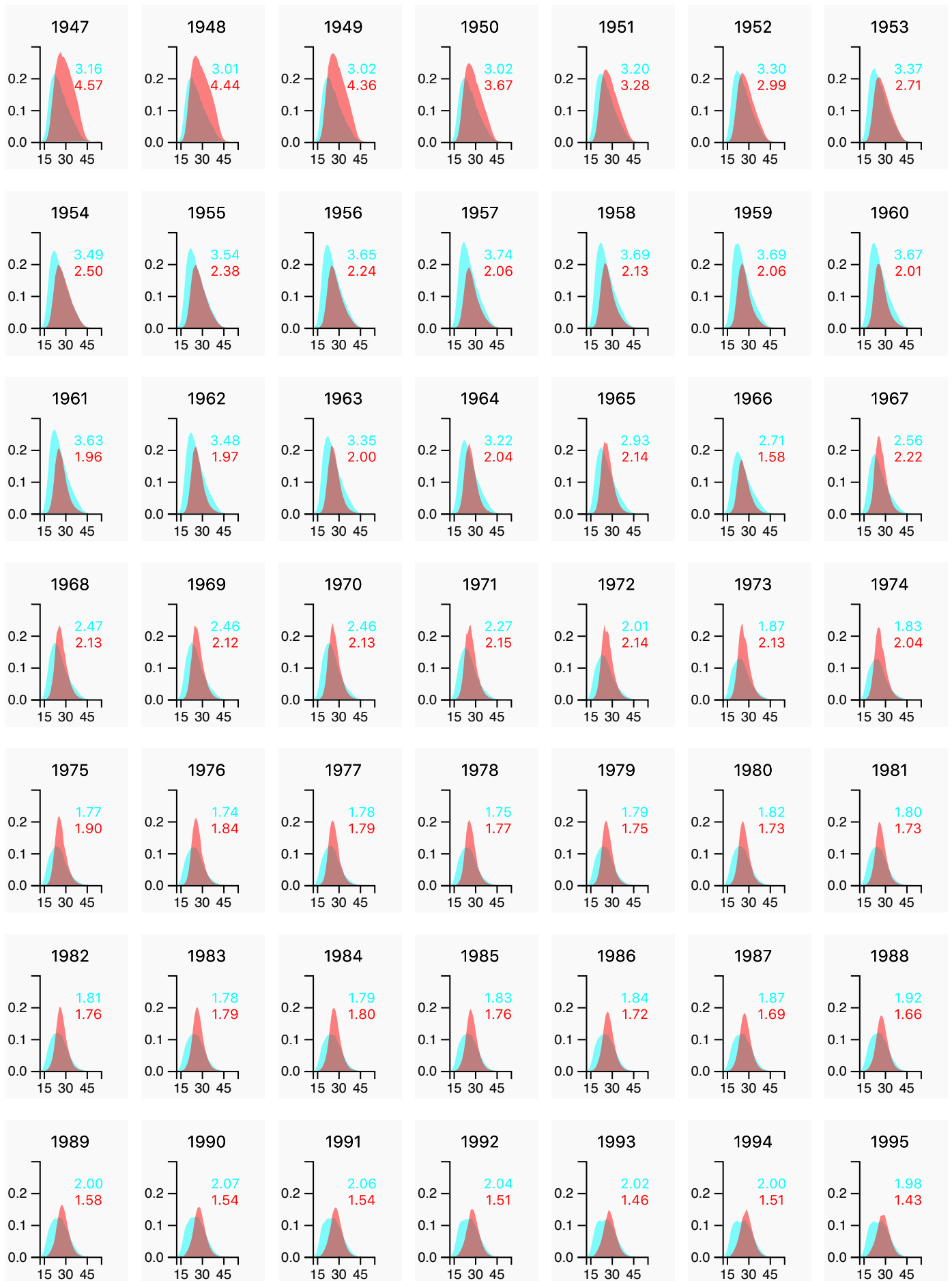


Chart 2: Small multiples

We'll recreate [this](#) and [this](#) using D3 and small multiples. I want each year as its own graph, with Japan and USA area graphs on top of each other and the year as a note at the top. Data is from [fertility.csv](#)



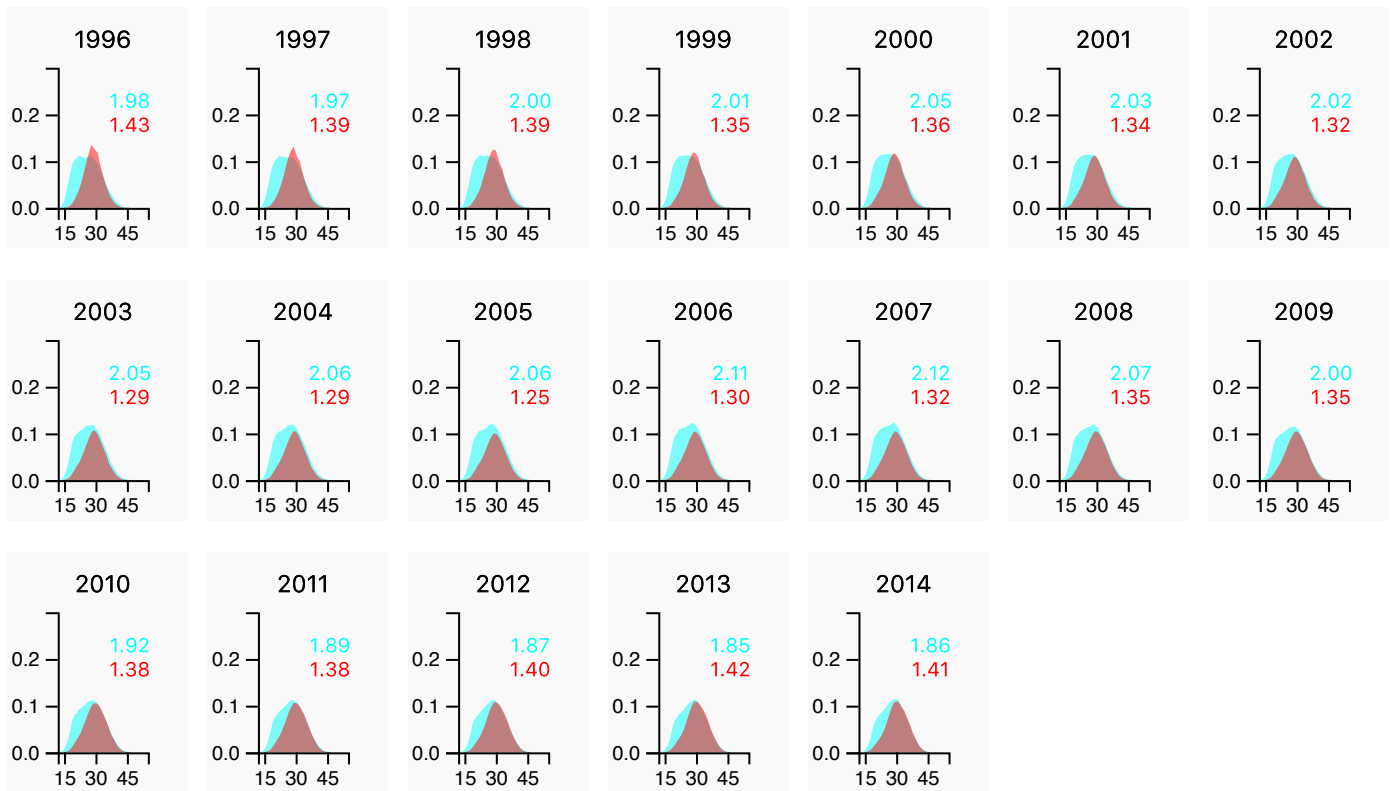


Chart 3: Small multiples (even more!)

Reproducing a graphic from [this Upshot article](#).

. Data is from `middle-class-income.csv` and `middle-class-income-usa.csv`

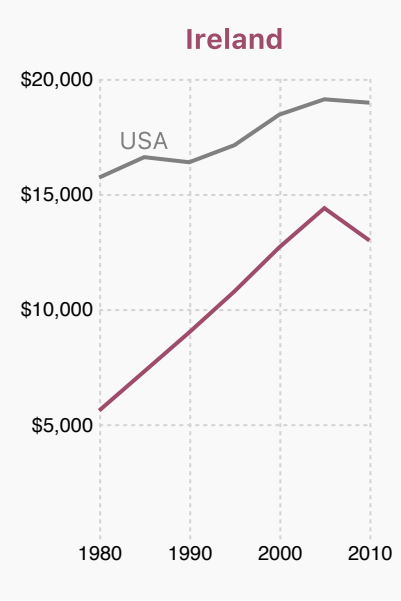
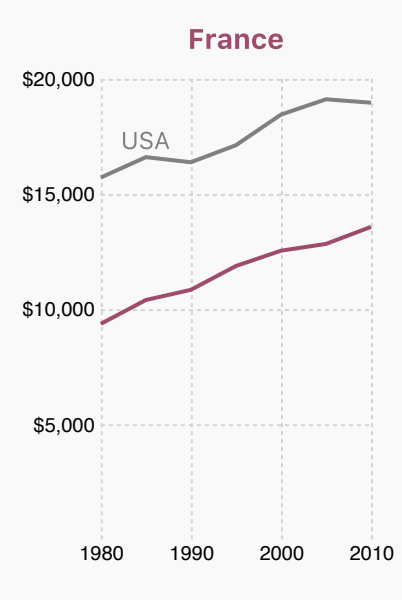
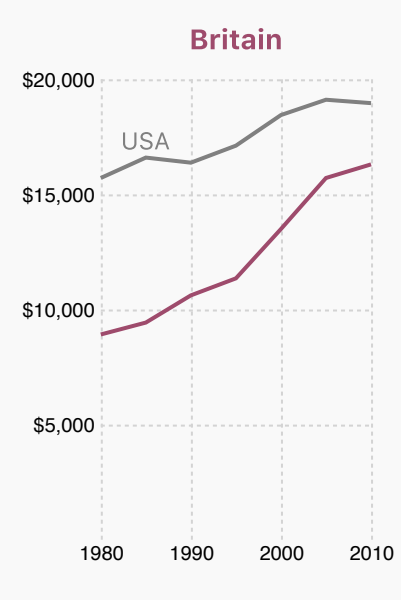
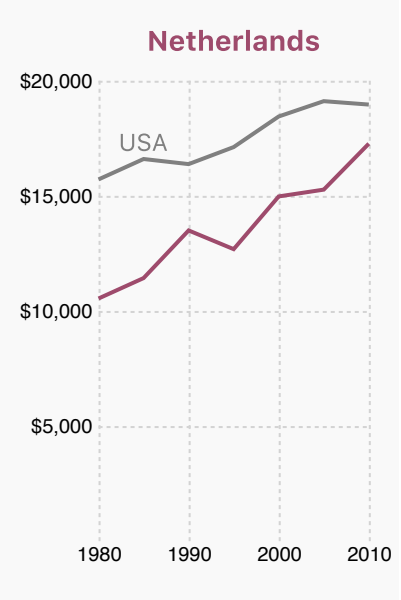
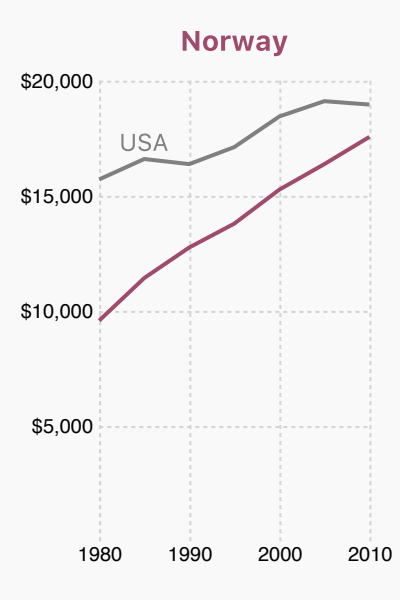


Chart 4: No this isn't a chart

Go up into the CSS and remove the line `background: #f9f9f9;` and look at your page and think "oh that's cool I made all that!"