

Homework 7: Small multiples, nesting, and adding random bits and pieces

Hints are in [/hints/](#), obv. These are **not** in order of difficulty, although the last one is very difficult. If you get stuck on one, feel free to move on.

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 in [housing-prices.csv](#)

U.S. housing prices fall in winter

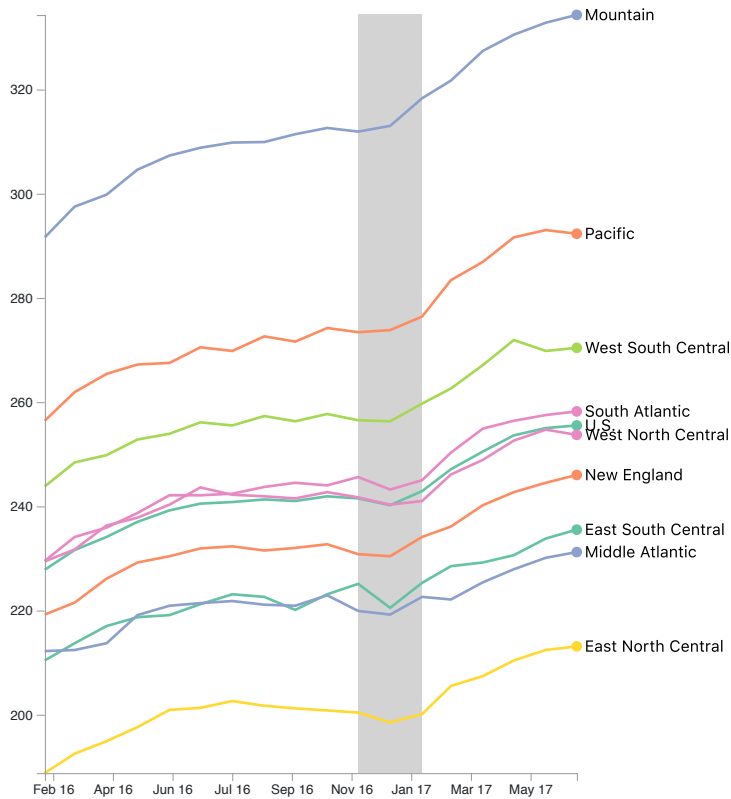


Chart 2: Small multiples (many, many multiples)

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 in [fertility.csv](#)

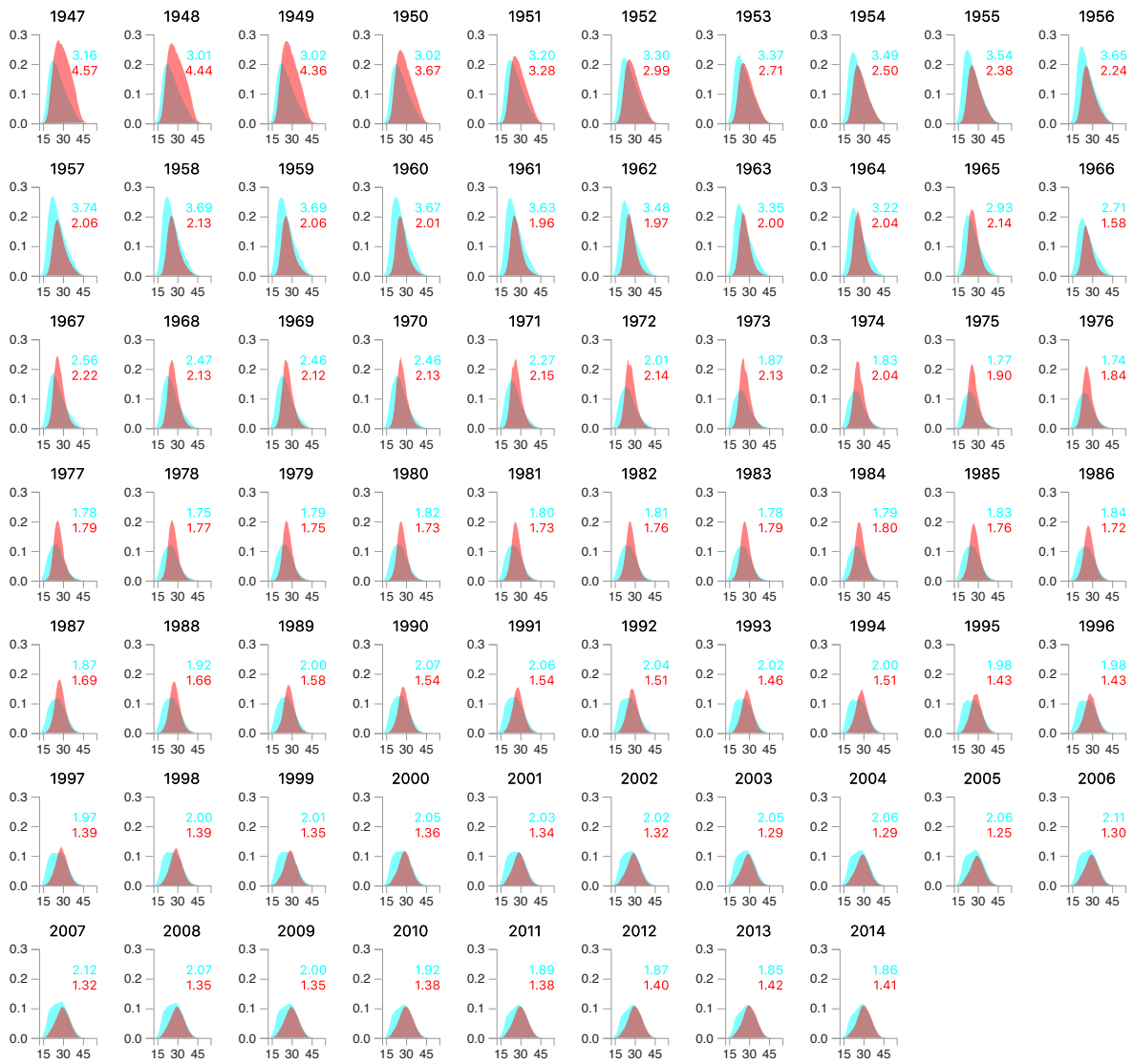


Chart 3: Smaller multiples

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

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

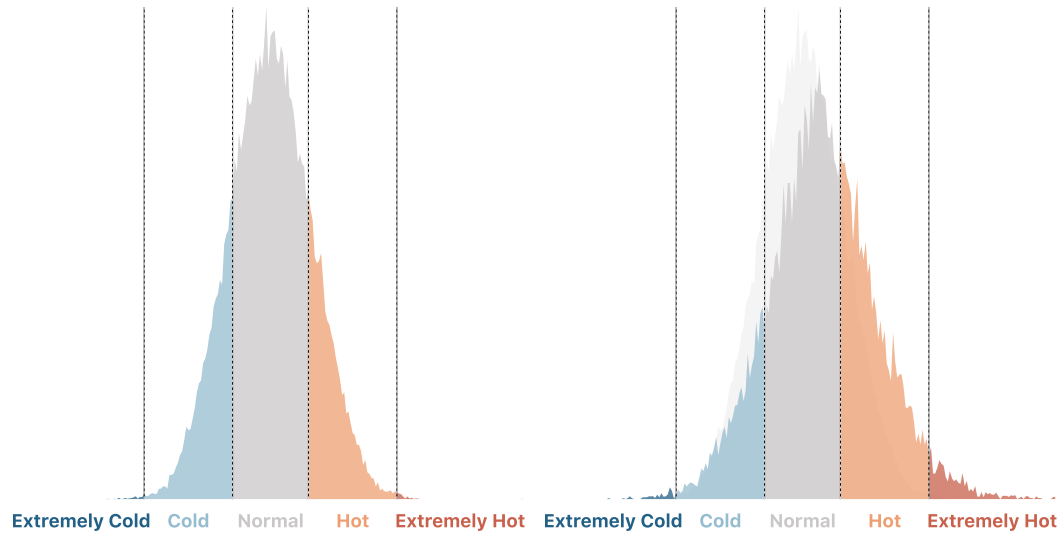


Chart 4: Small multiples painfully and manually

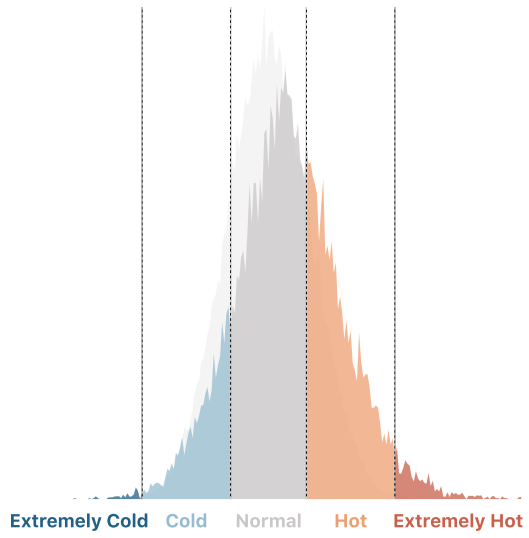
Building a non-animated version of [this NYT visualization](#). If you finish this one you will become the President of the Galaxy.

Data is in `climate-data.tsv`

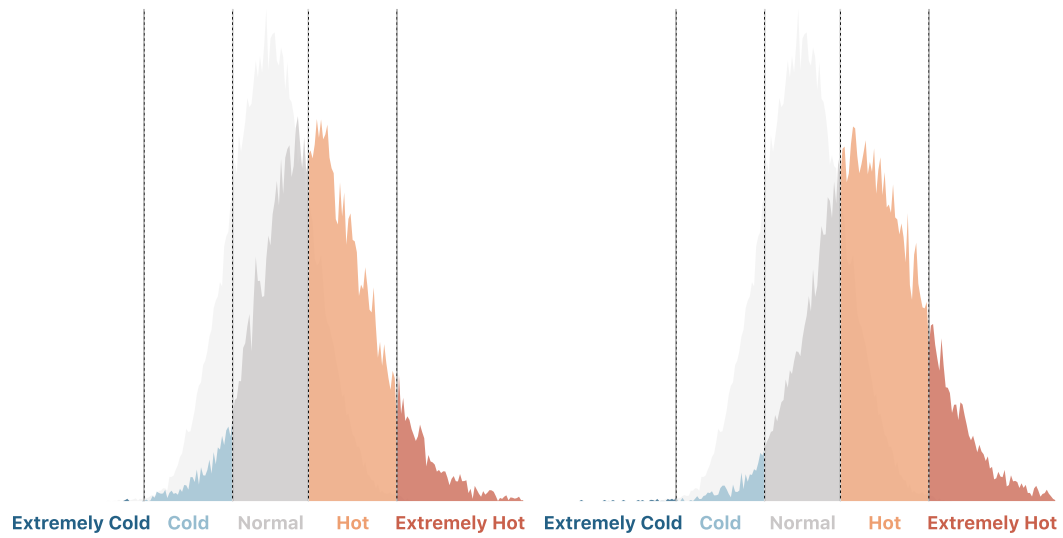
1951 to 1980



1983 to 1993



1994 to 2004



2005 to 2015

