

Radials and small multiples

Completed version should look like [this one](#). Hints are in [hints/](#) (next to `src` this time)

In this homework we start simple, s-l-o-w-l-y build more interesting, more complicated graphics. **Eventually we absolutely lose our mind.**

Don't move the data out of `/data/`, it's happy living there.

Chart 1: A simple, centered pie chart

Except it's kind of sneaky because I teach you something else while we're doing it.

Dataset is `data/time-breakdown.csv`

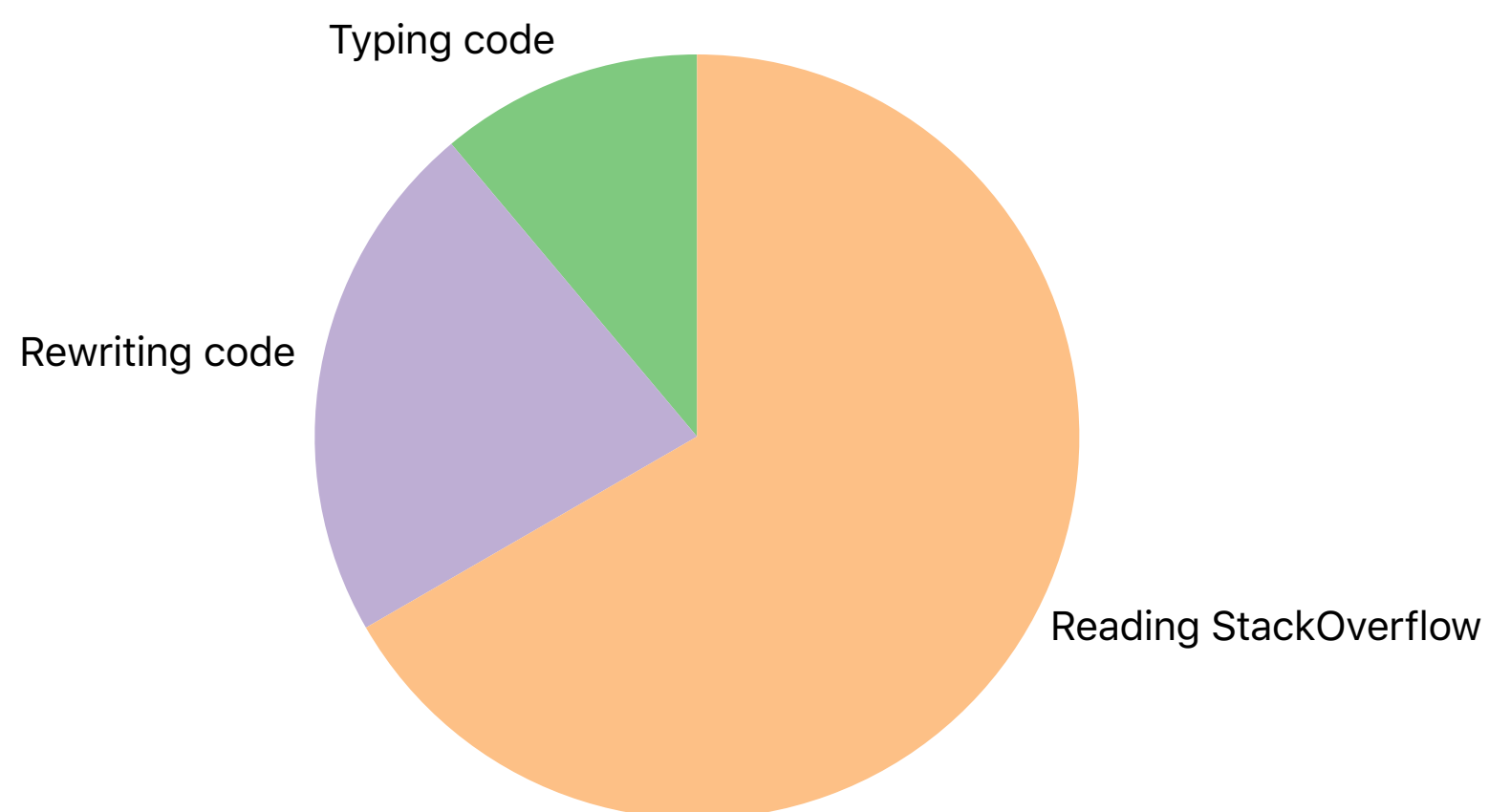
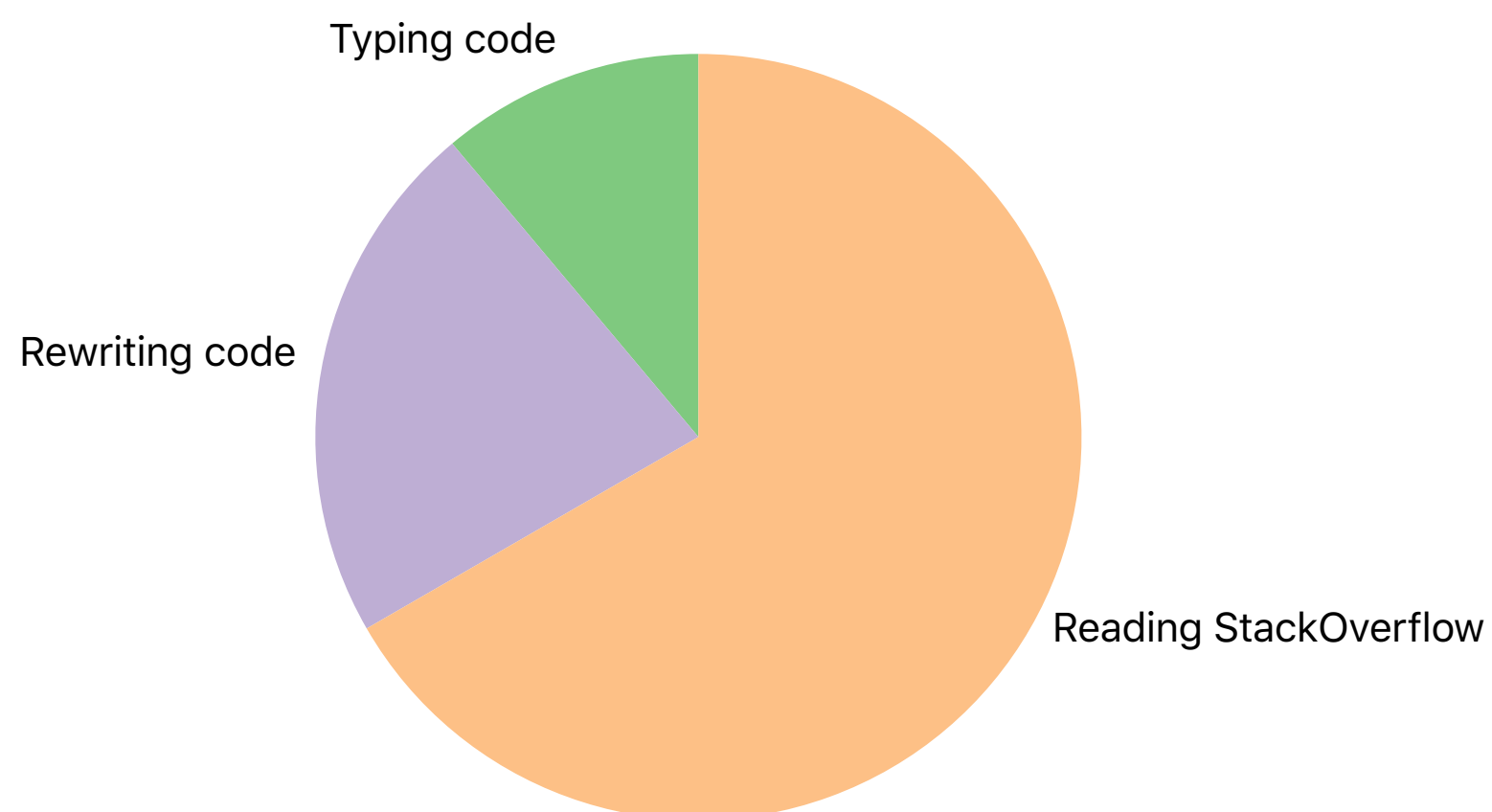


Chart 2: Pie chart, small multiples

Same as above, but small multiples'd. You don't need to label the wedges.

Do not use multiple SVGs! I want this all in one SVG.

Dataset is `data/time-breakdown-all.csv`

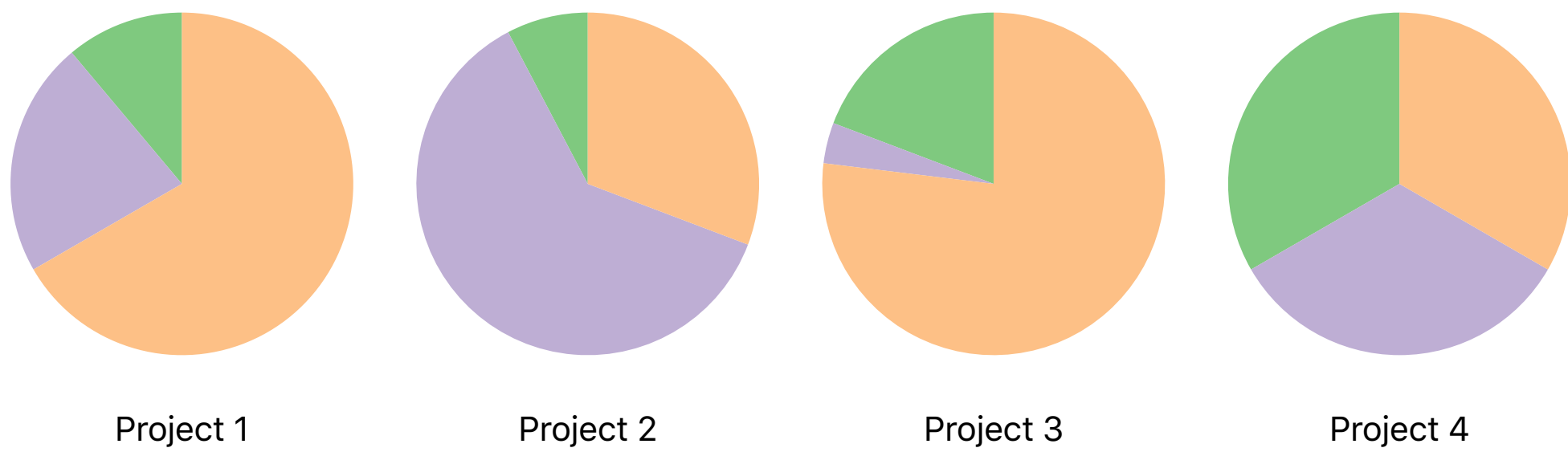
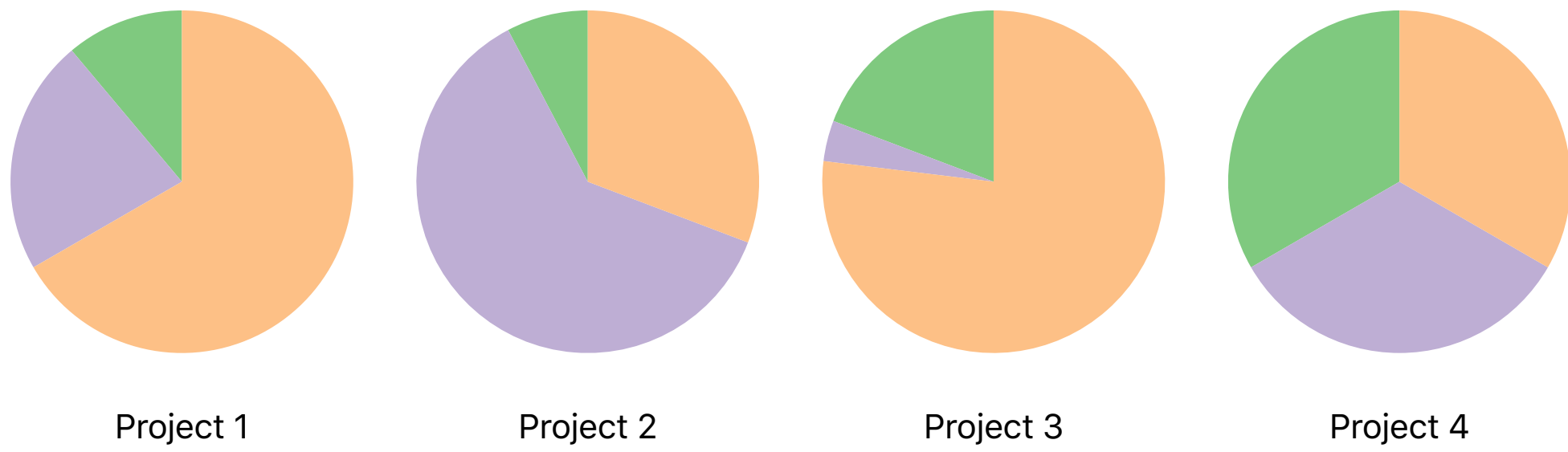
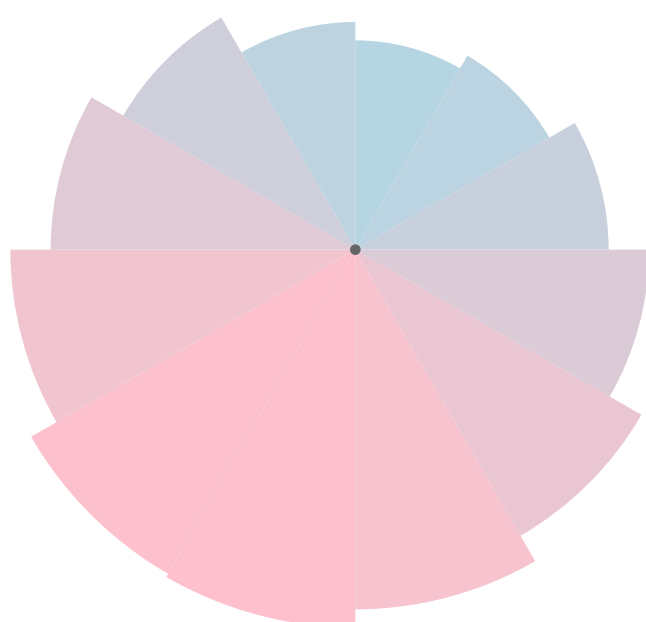


Chart 3: Fixed-wedge size pie, or radial bar graph

You can actually use the pie generator for this! You don't have to, though.

Dataset is [data/ny-temps.csv](#)

NYC high temperatures, by month



NYC high temperatures, by month

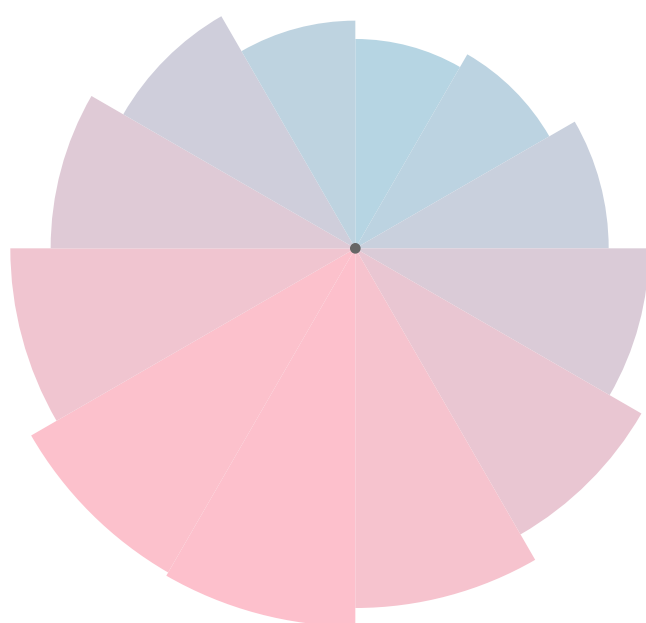


Chart 3b: Small multiples of Chart 3

Now you'll just have to re-use your code to distribute it across the x axis. Dataset is [data/all-temps.csv](#)

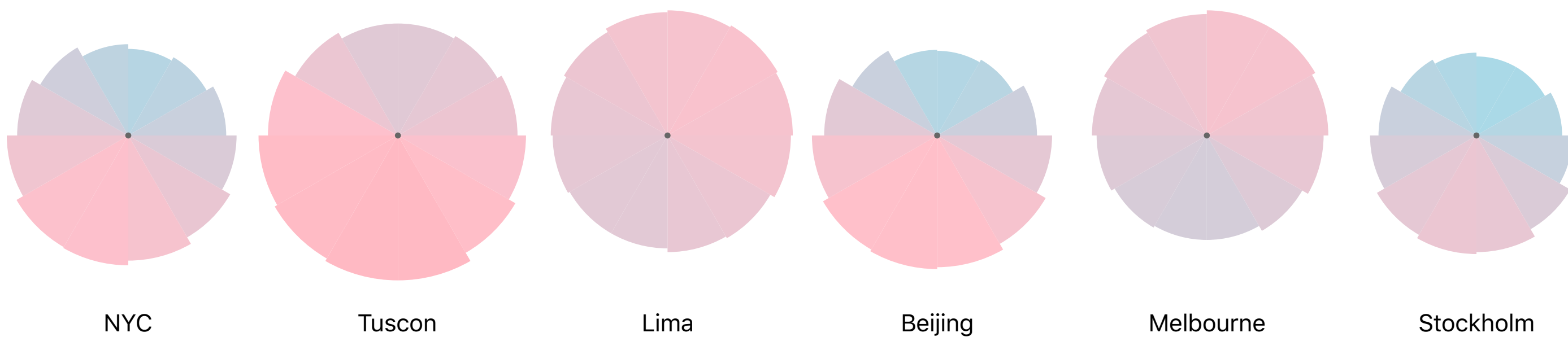
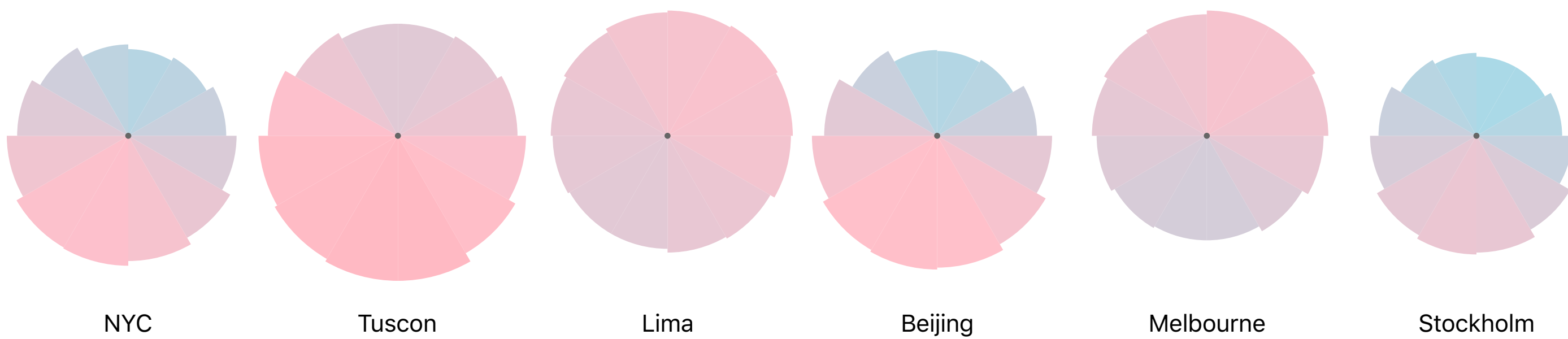


Chart 3c: Chart 3, also showing the minimum temperature for each month

Isn't this getting fun? Dataset is [data/all-temps.csv](#)

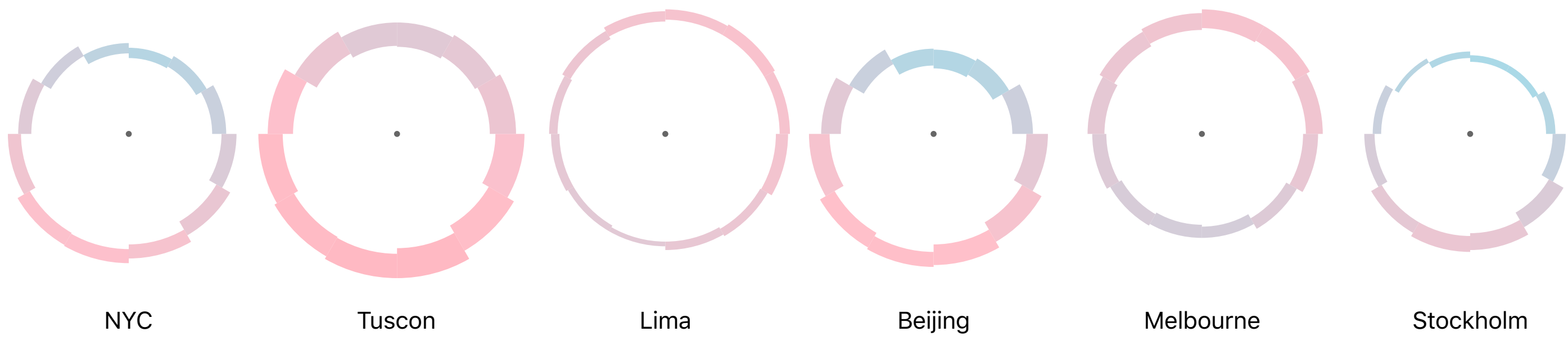
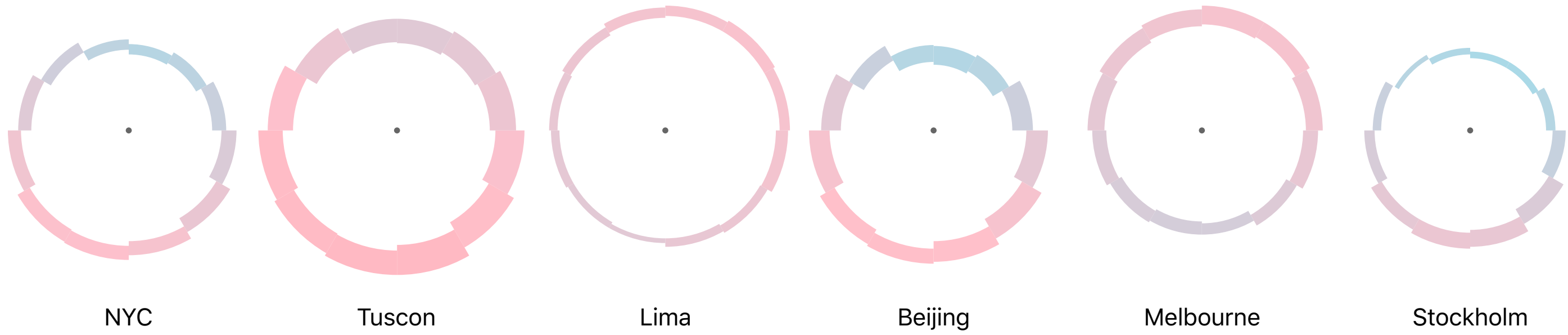


Chart 4: Radial area charts

Dataset is [data/ny-temps.csv](#)

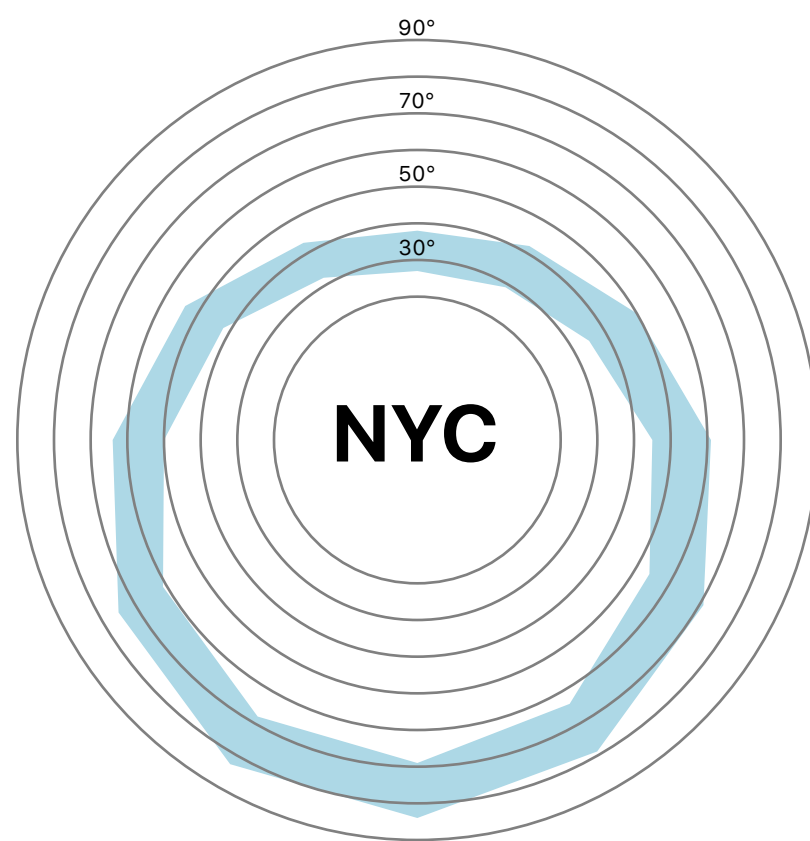
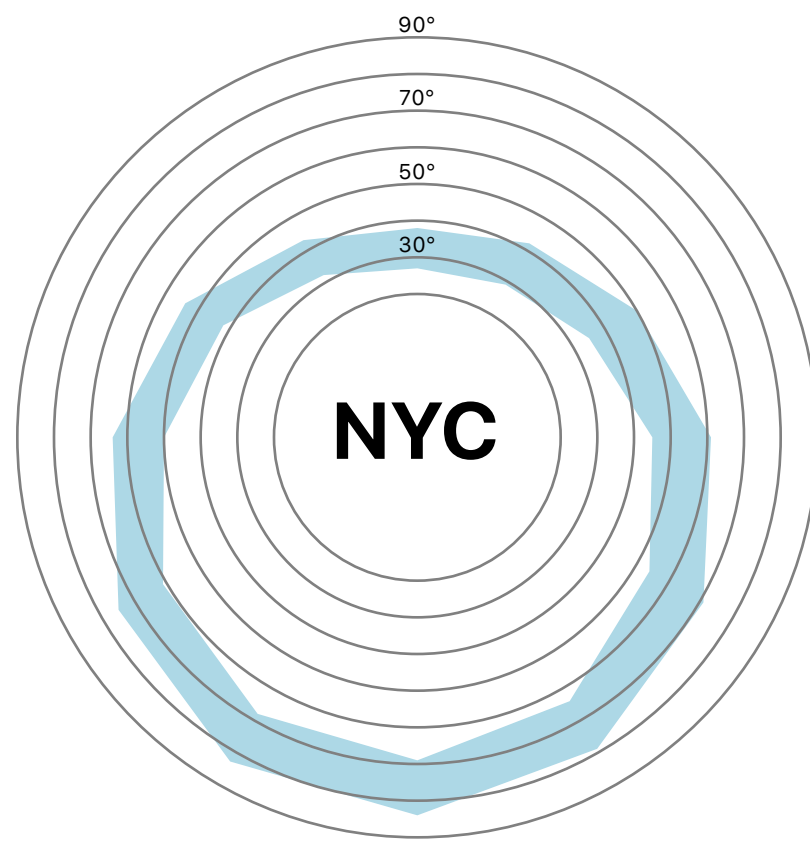
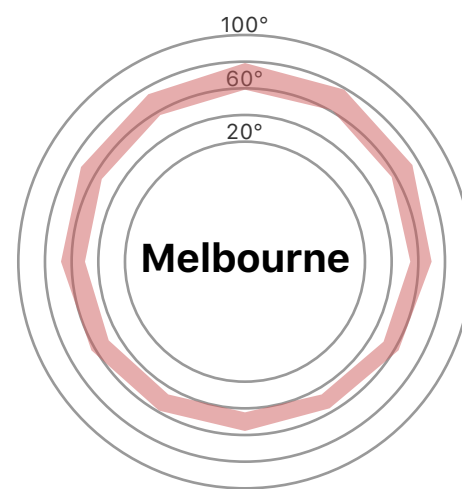
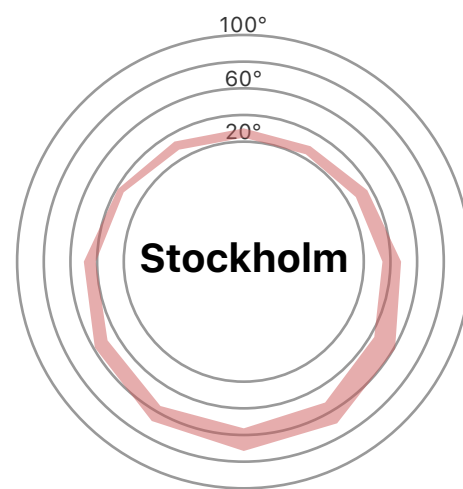
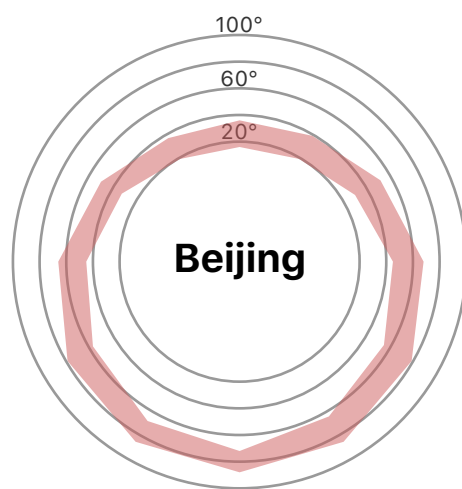
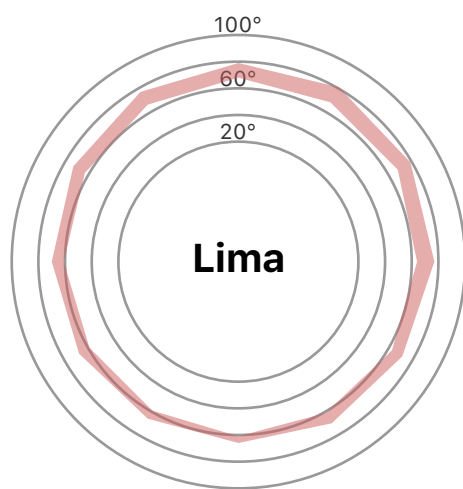
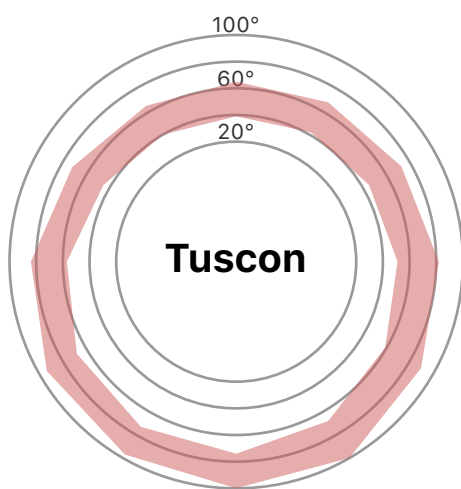
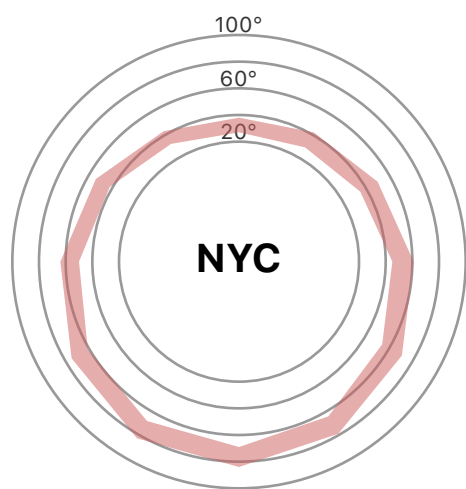


Chart 5: Radial area charts, small multiples

More small multiples! Dataset is [data/all-temps.csv](#)

Average Monthly Temperatures in cities around the world



Average Monthly Temperatures

in cities around the world

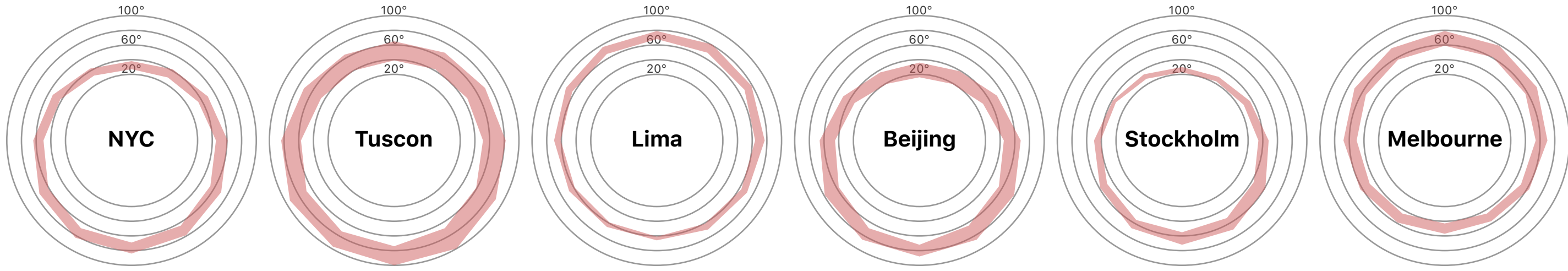


Chart 6: A radar chart



Chart 7: A weird, fun radial graph

We're copying [this one](#)! It is *completely* unreasonable to expect you to do it, which is why it's going to be extra fun. You also learn some weird stuff.

Dataset is [data/time-binned.csv](#)

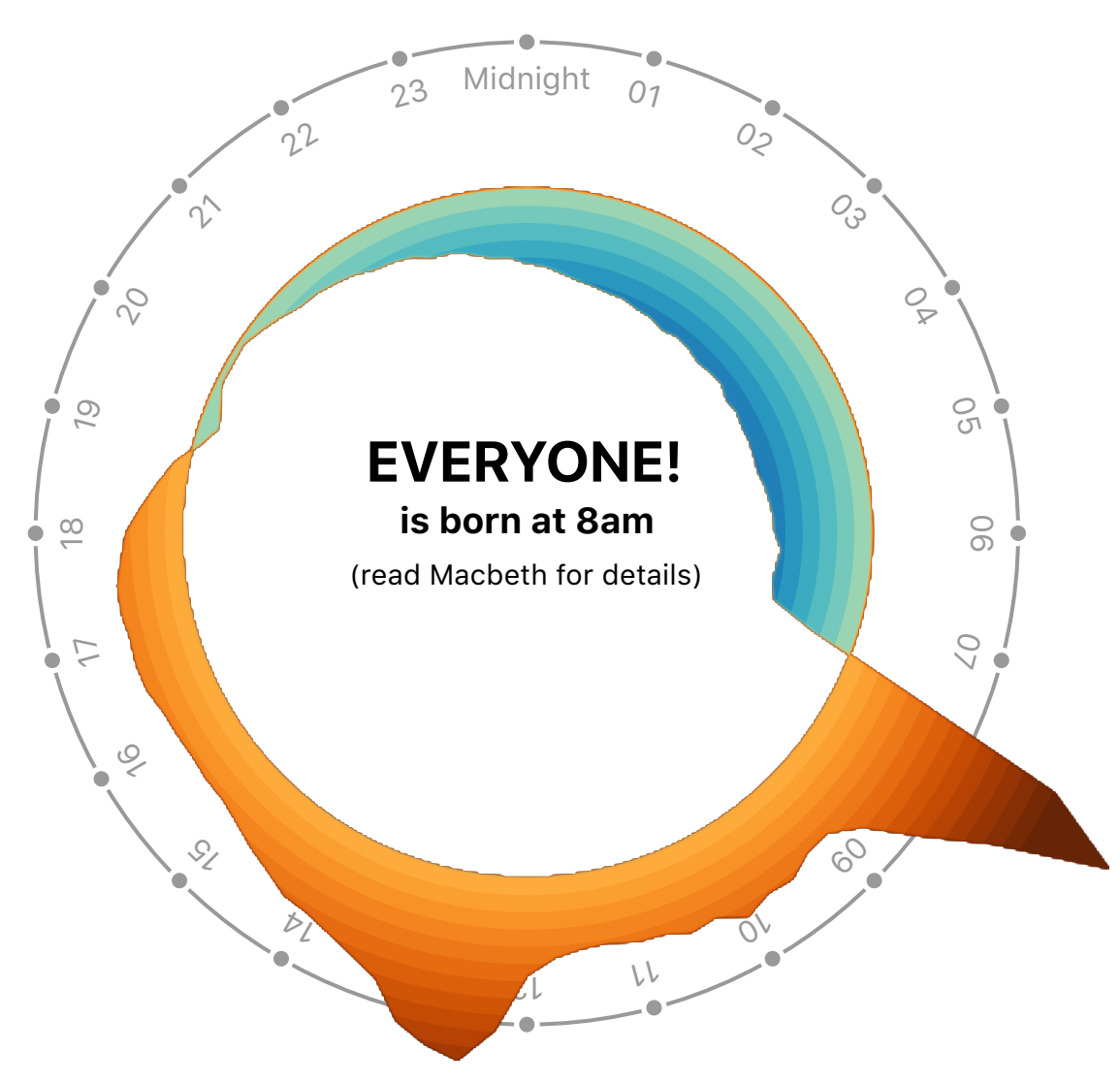


Chart 8: NBA radar chart

This is a lesson in how to deal with data that isn't exactly what you're looking for. Also uses weird stuff. Data in [data/nba.csv](#)

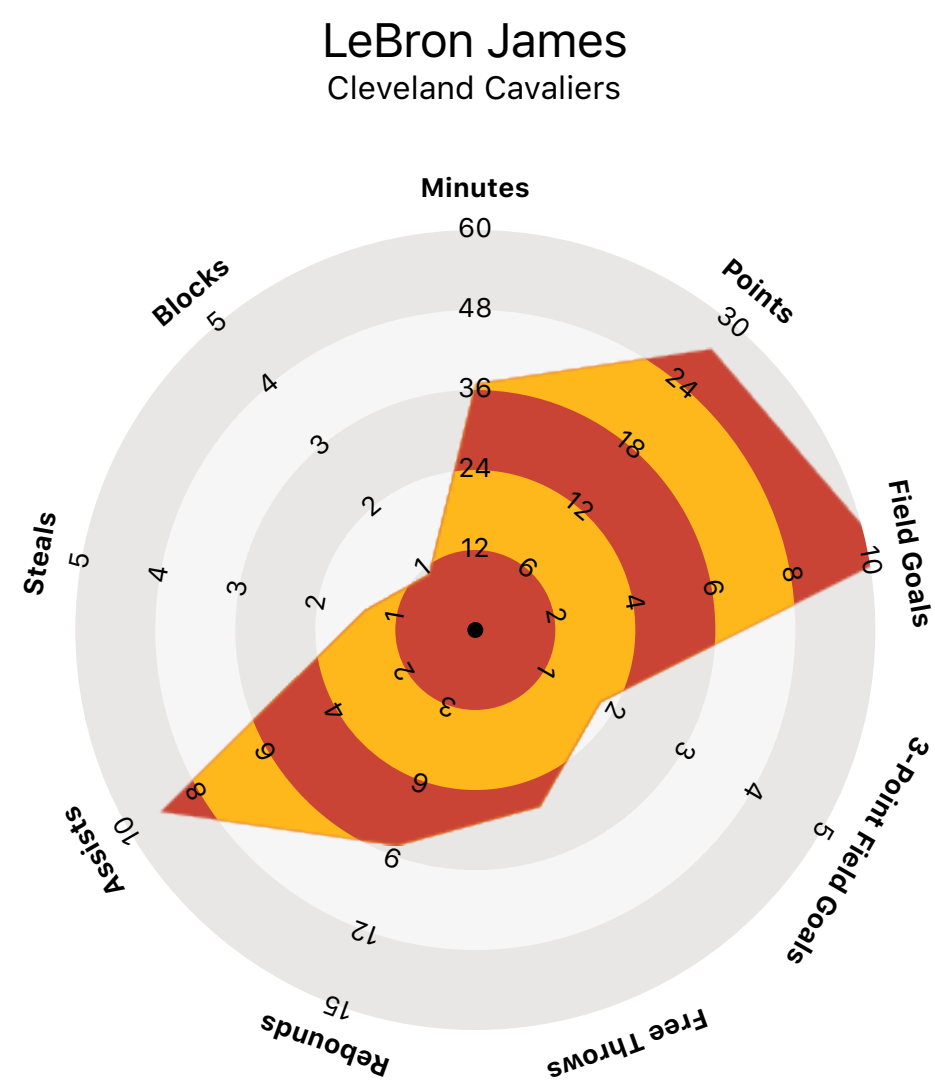
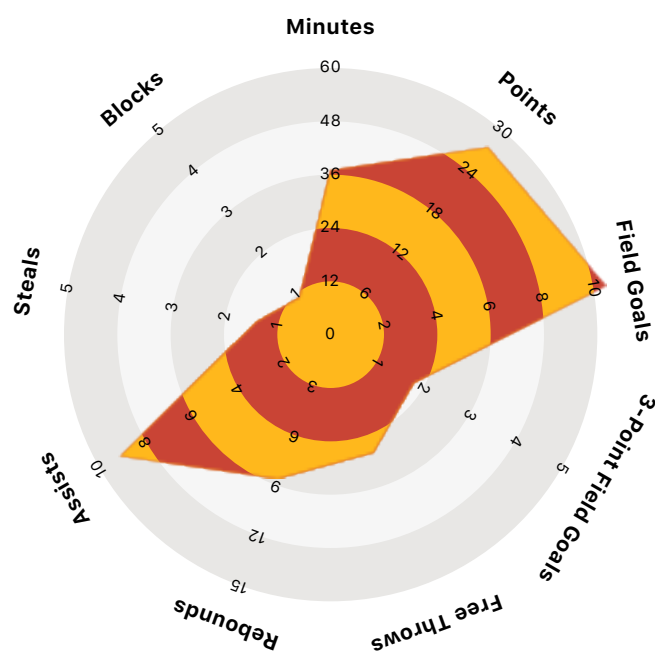


Chart 9: NBA radar chart small multiples

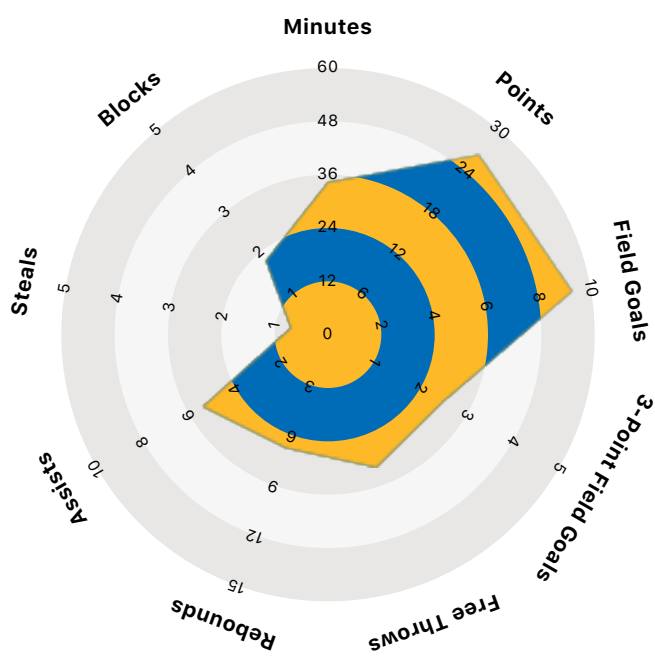
If you've made one, you've made them all! Kind of.

Data in [data/nba.csv](#)

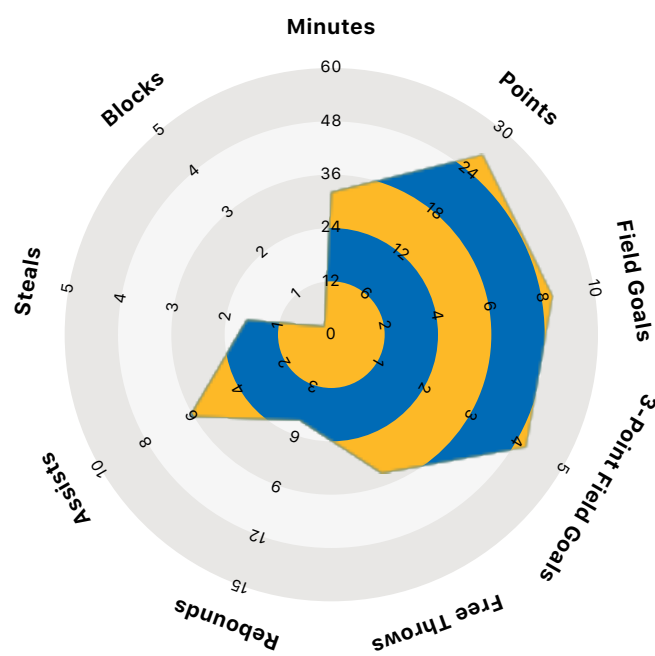
LeBron James
Cleveland Cavaliers



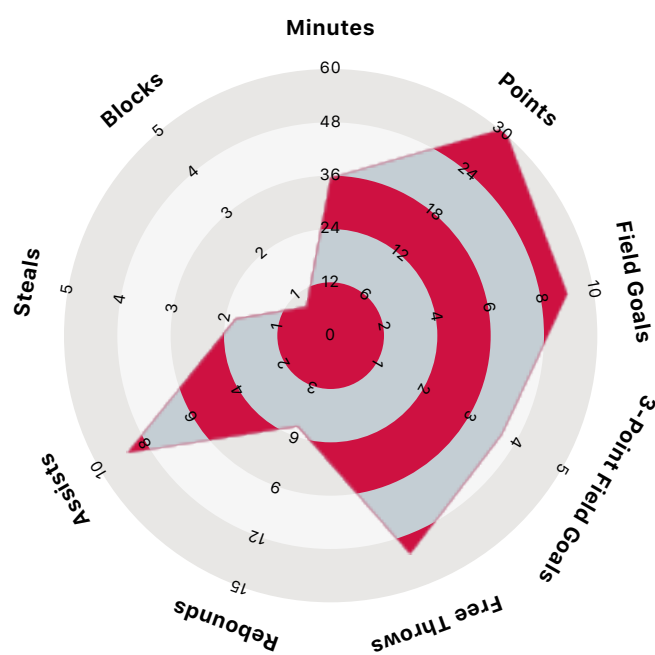
Kevin Durant
Golden State Warriors



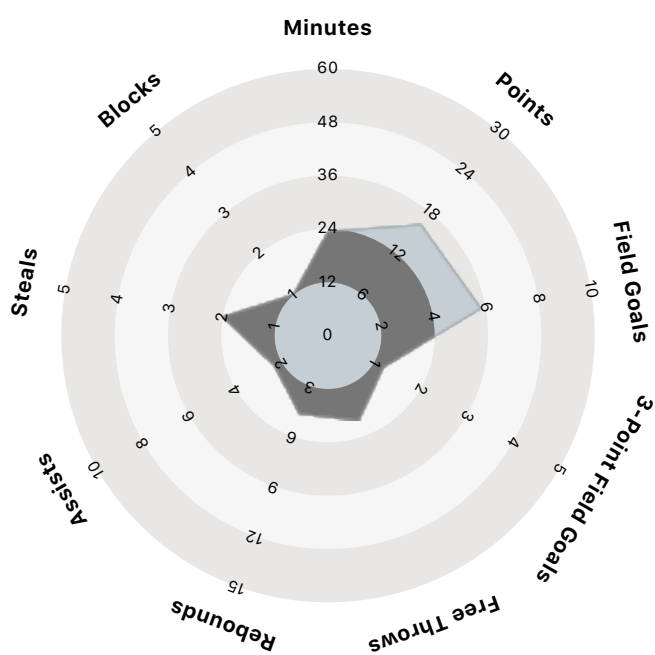
Stephen Curry
Golden State Warriors



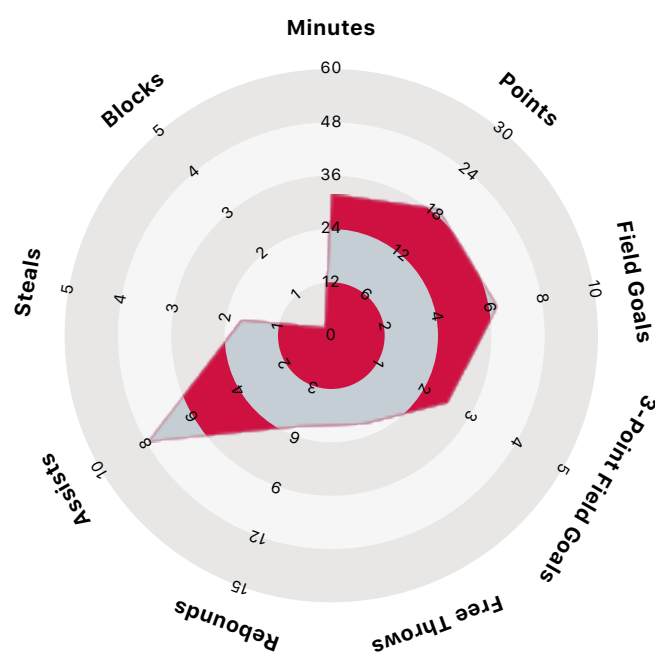
James Harden
Houston Rockets



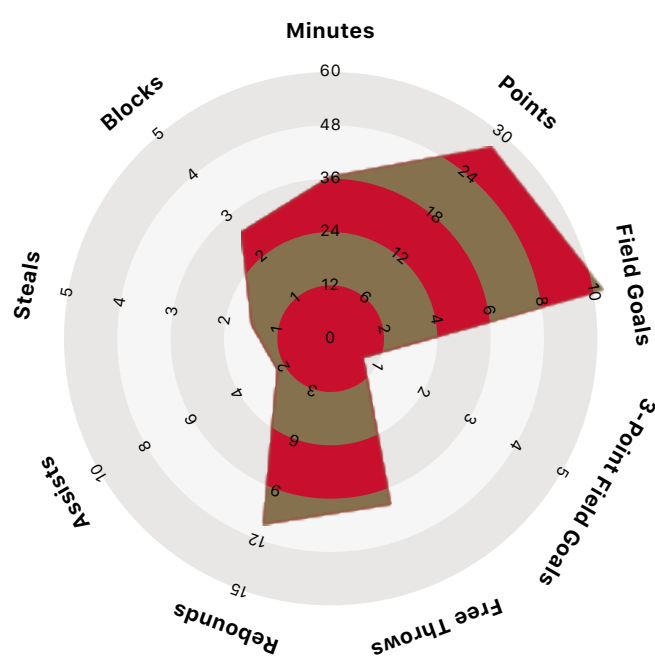
Kawhi Leonard
San Antonio Spurs



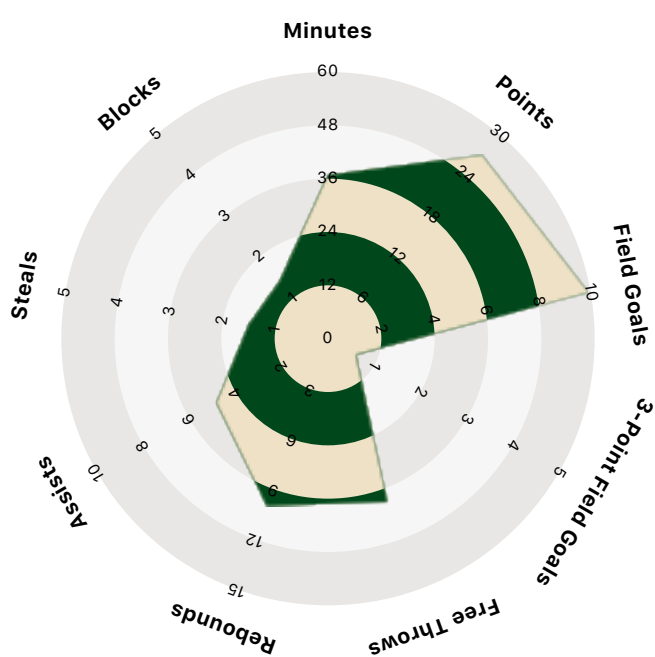
Chris Paul
Houston Rockets



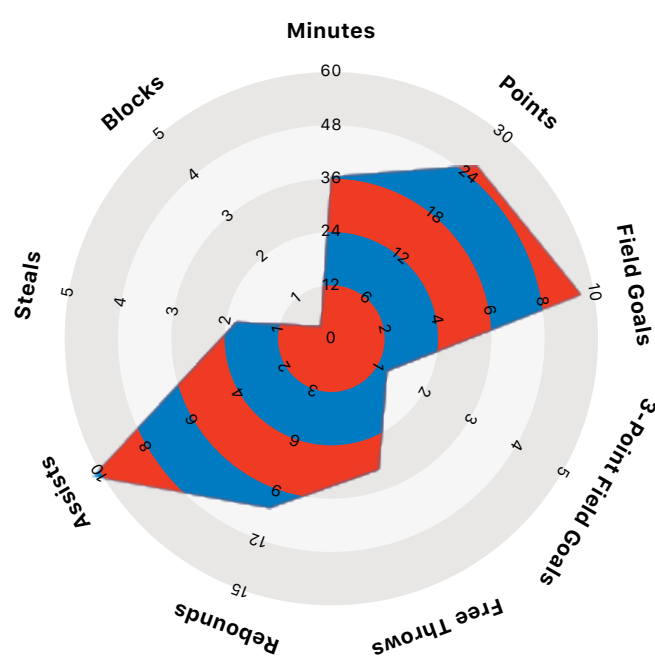
Anthony Davis
New Orleans Pelicans



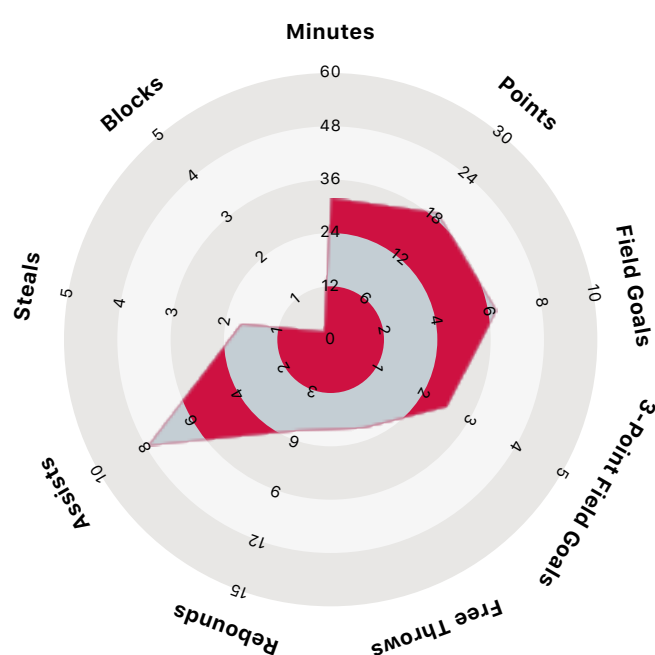
Giannis Antetokounmpo
Milwaukee Bucks



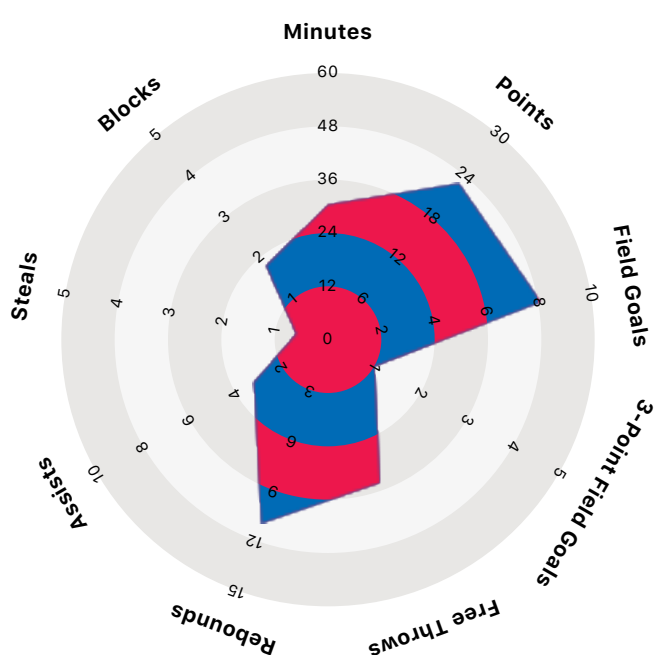
Russell Westbrook
Oklahoma City Thunder



Chris Paul
Houston Rockets



Joel Embiid
Philadelphia 76ers



Jimmy Butler
Minnesota Timberwolves

