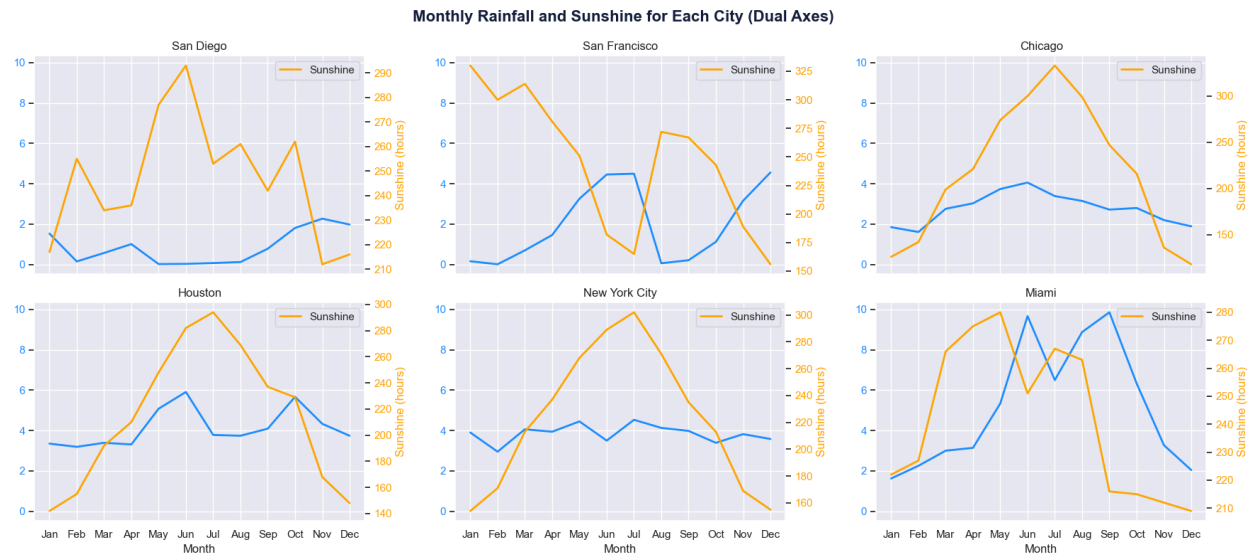# Project1 Checkpoint

Graph1:

This graph breaks down monthly rainfall and sunshine trends for various cities, using separate y-axes for each metric. Rainfall is shown on the left axis in blue, and sunshine is shown on the right axis in orange. The FacetGrid layout gives each city its own subplot, making it easy to see city-specific patterns across months. Even though their scales are different, the dual-axis design helps compare rainfall and sunshine.

Graph 2:
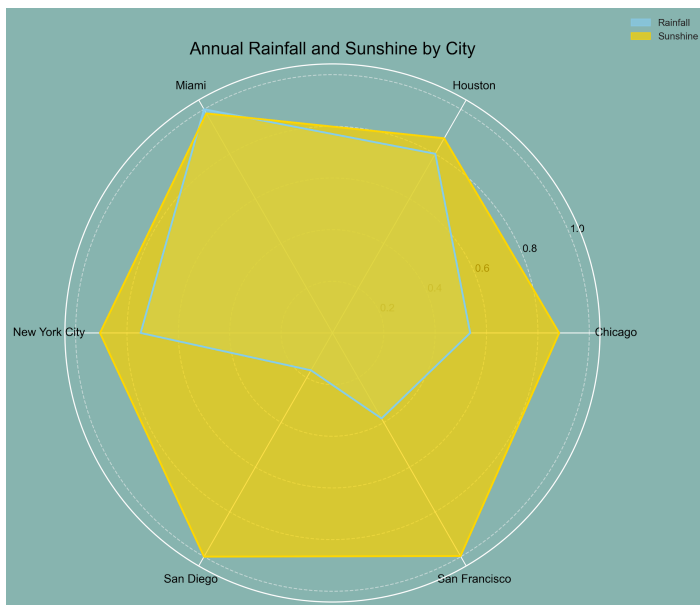
This radial chart summarizes the total annual rainfall and sunshine for each city. The circular layout evenly spaces the cities around the chart, while the filled areas represent the relative amounts of rainfall and sunshine, normalized for comparison.

Graph 3 (The One I chose to plot):
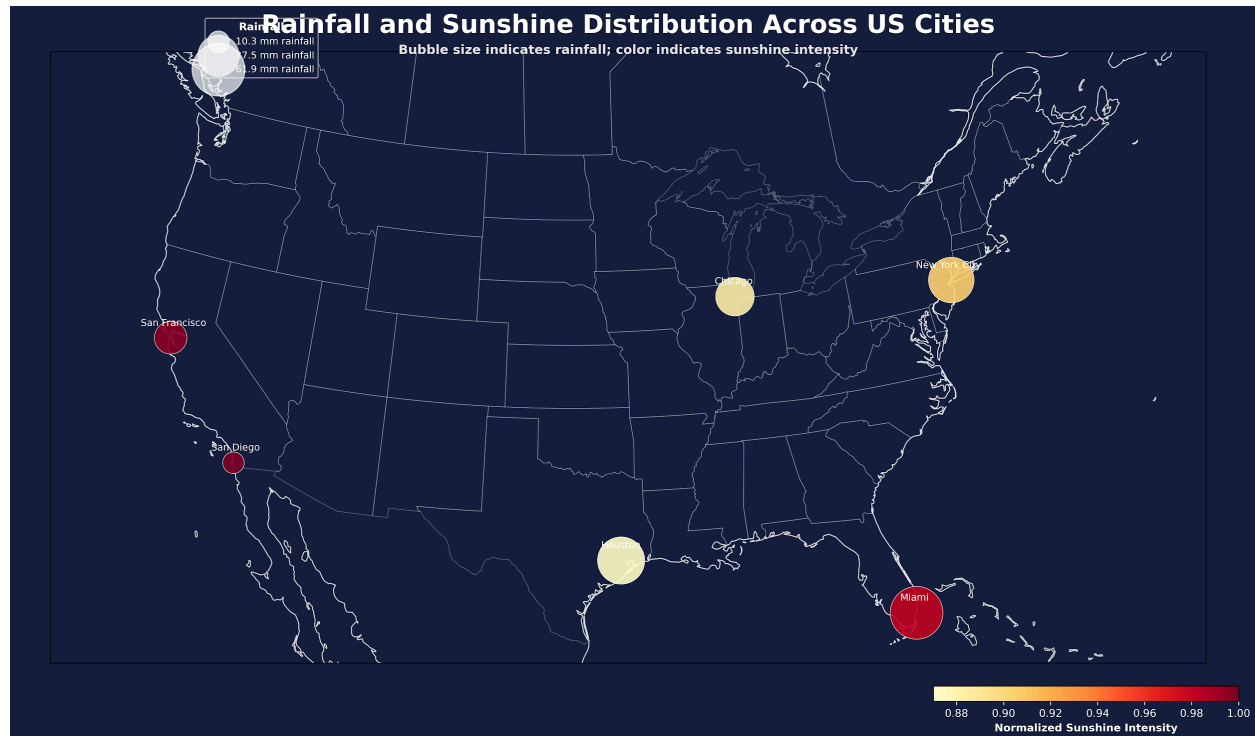
This map plots rainfall and sunshine data across U.S. cities, using bubbles to represent rainfall totals and colors to show normalized sunshine intensity. Bigger bubbles mean more rain and darker gold bubbles mean more sunshine. The city names are labeled for clarity, and the map includes state boundaries and coastlines to give geographic context.

I chose **Graph 3** as the final visualization because it provides a great mix of geographic and quantitative insights. The map helps highlight regional differences, while the bubble sizes and colors make the data easy to understand.