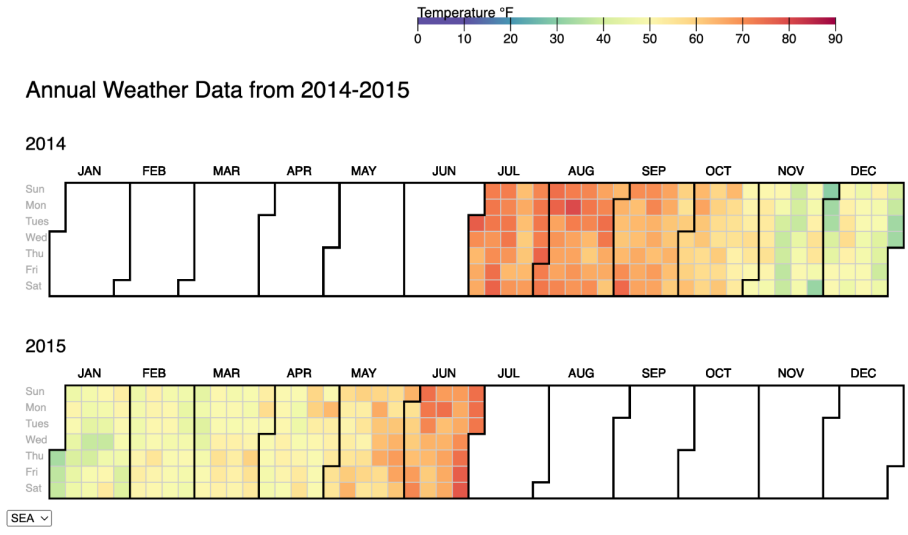
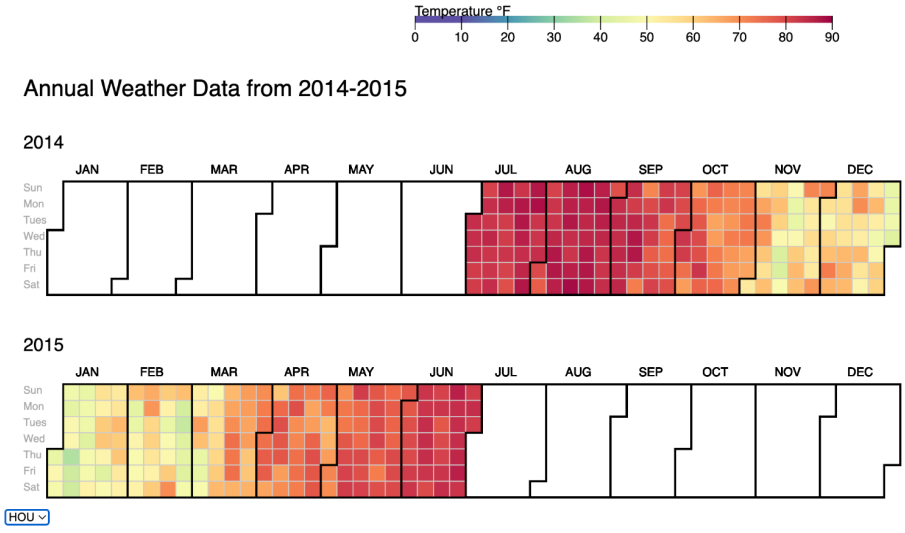
This visualization looks at visualizing weather data from 2014 to 2015 in Seattle, Houston, and New York City. Each cell within the calendar visualization represents the measured average temperature for that day and is color-coded according to the scale on top of the Visualization. You are able to find additional information regarding a specific day by hovering over a calendar cell. The data included is the date, measured maximum, minimum, and average temperature for that day, recorded precipitation, and average precipitation. My overall idea behind this visualization was to provide a visual way to see what the 2014-2015 weather was like for each city through color. For example, Seattle was majorly warmer from June to August and the rest of the months were quite moderate. The color allows for users to easily compare and contrast which months are evidently warmer/colder than the other cities available. For example, comparing New York City to Houston, Houston is substantially warmer throughout the year, especially in January and February. Another intentional design decision I made was to remove the calendar grids where there was no data. I did this to incorporate Gestalt's Figure/Ground principle to bring the user's attention to where the data is.

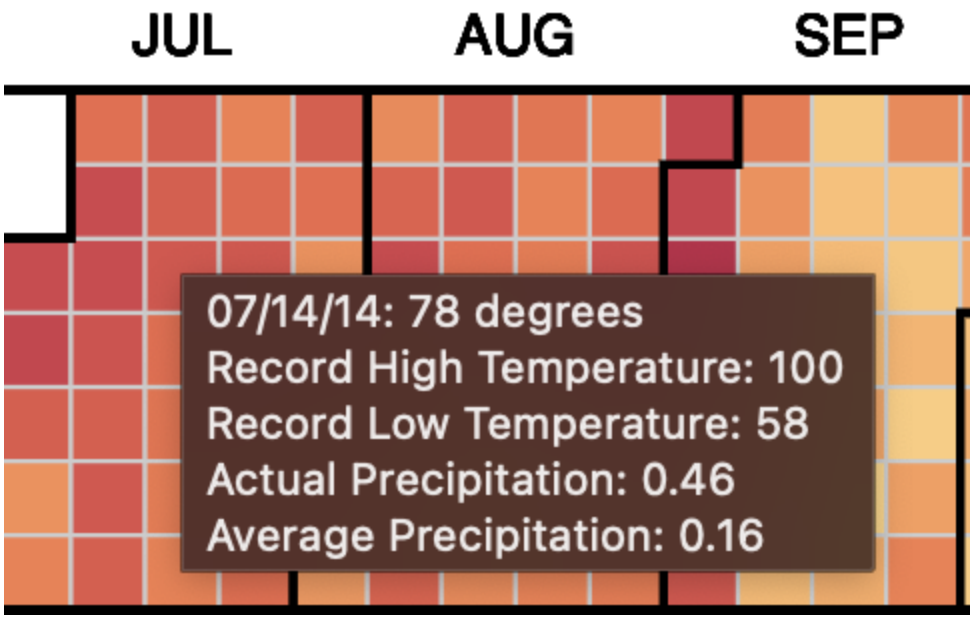
The user tasks that this visualization supports are: comparing weather data between cities, seeing the trend in weather data for one city, and viewing additional historic temperature and precipitation data.



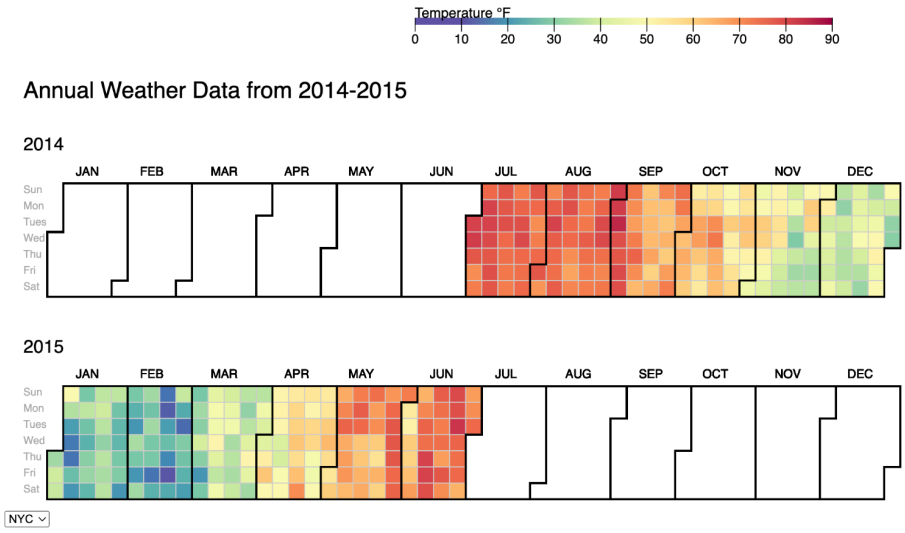
This is the initial visualization once it is loaded.



You can use the drop-down menu to change between cities (bottom-left corner). This is the view of Houston's weather data.



To view additional details about a day, hover over the calendar cell.



Last view of New York City's weather data.