

User Tasks

Locations: JAX, PHX, IND, MDW

Tasks

1. Check the actual temperature trend in 2014 - 2015 in one location
2. Compare the actual temperature trend in 2014 - 2015 across the four locations
3. Check the highest recorded temperatures in 2014 - 2015 in one location
4. Check the highest recorded temperatures in 2014 - 2015 across the four locations
5. Check the lowest recorded temperatures in 2014 - 2015 in one location
6. Check the lowest recorded temperatures in 2014 - 2015 across the four locations

Purpose of Tasks

1. See how temperature has changed over time
2. Prepare for a trip by understanding weather patterns
3. Find a location to move too that matches desired temperature trends
4. See how temperature varies depending on location

Design Overview

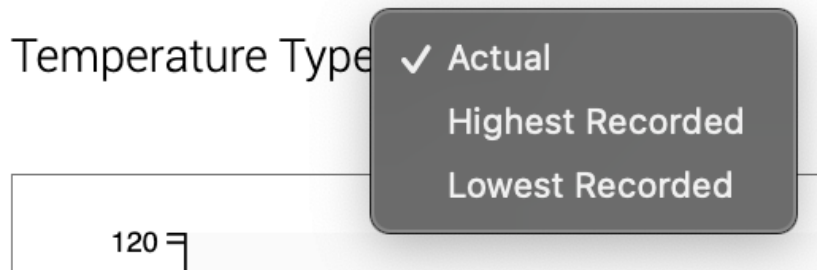
Objectives

The objective of this design is to help generate insights on temperature trends in JAX, PHX, IND, and MDW. The graphs of the four locations are displayed next to each other to make it easier for users to compare them. The location names have a color encoding to show that each graph represents a different location. These graphs use a line design to convey change over time because using a line helps show highs and lows in the data. The x-axis and y-axis scale are labels and consistent which makes it accurate to compare the graphs when switching views.

User Interface

Drop-down menu

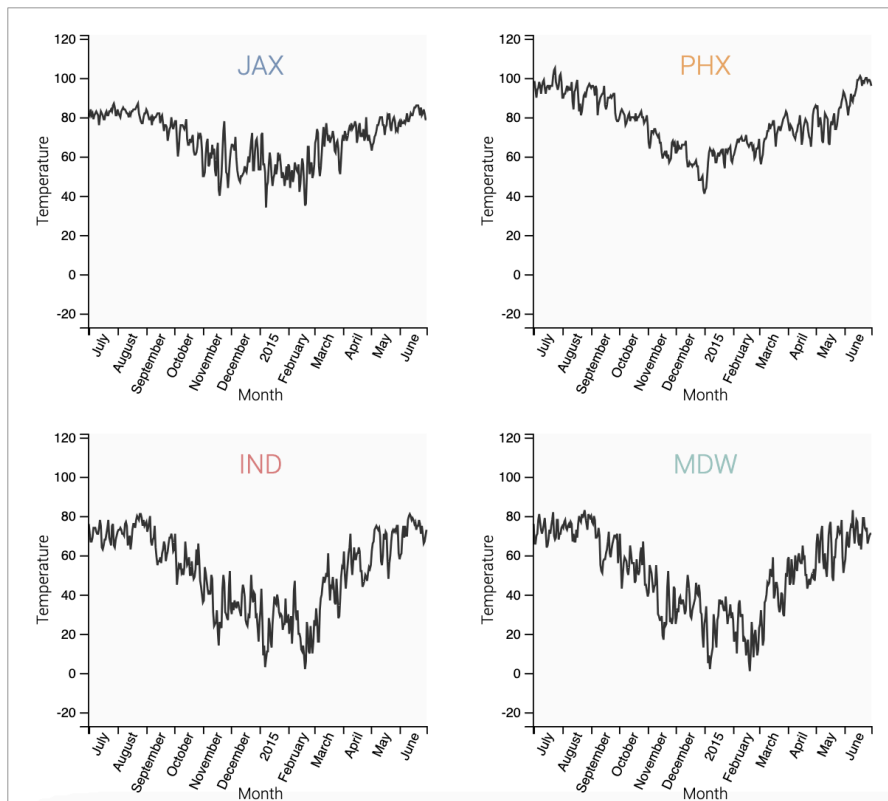
Users can use this to switch the type of temperature data being displayed.



Actual Temperature Display

Temperature Comparison

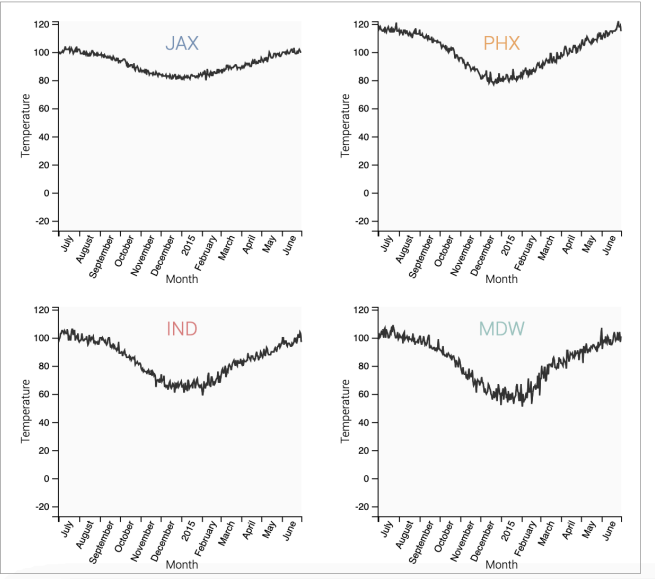
Temperature Type:



Highest Recorded Temperature Display

Temperature Comparision

Temperature Type: Highest Recorded



Lowest Recorded Temperature Display

Temperature Comparision

Temperature Type: Lowest Recorded

