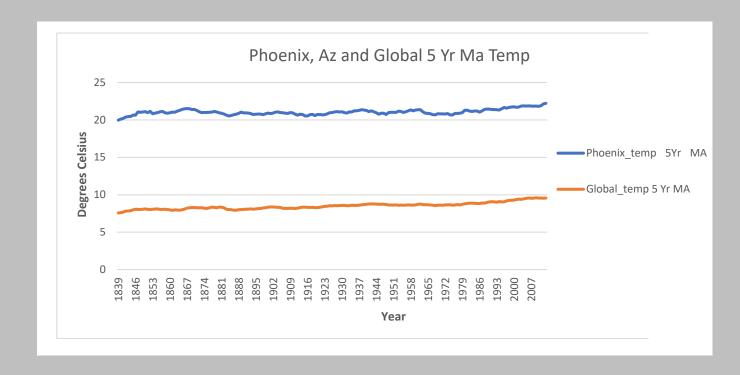
SQL Query

SELECT city_data.city, city_data.year, city_data.country,city_data.avg_temp city_temp, global_data.avg_temp
FROM city_data
JOIN city_list
ON city_data.city = city_list.city
JOIN global_data
ON global_data.year = city_data.year
Where city_data.city= 'Phoenix'



Data Observations

- 1. There is an increase in temperature in Phoenix, AZ and globally that occurs around the year 1990
- 2. The temperature in Phoenix is hotter compare to the global average
- 3. There is an upward trend in both data sets
- 4. The difference from the last year to the first year of data collected from Phoenix is 2.24 degrees C
- 5. The difference from the last year to the first year of global data collected is 2 degrees C

Steps Taken to Produce Data and Chart

- 1. SQL was used to produce the data from Phoenix and Globally
- 2. The data produced by SQL was downloaded to a CSV
- 3. Excel was used to analyze the data and produce the chart
- 4. A line chart in Excel was used to visualize the data
- 5. 5 Year moving averages were used to smooth out the lines in the chart
- 6. The moving averages were produced using a formula for averages in Excel
- 7. Legend and axis were added to enhance the chart