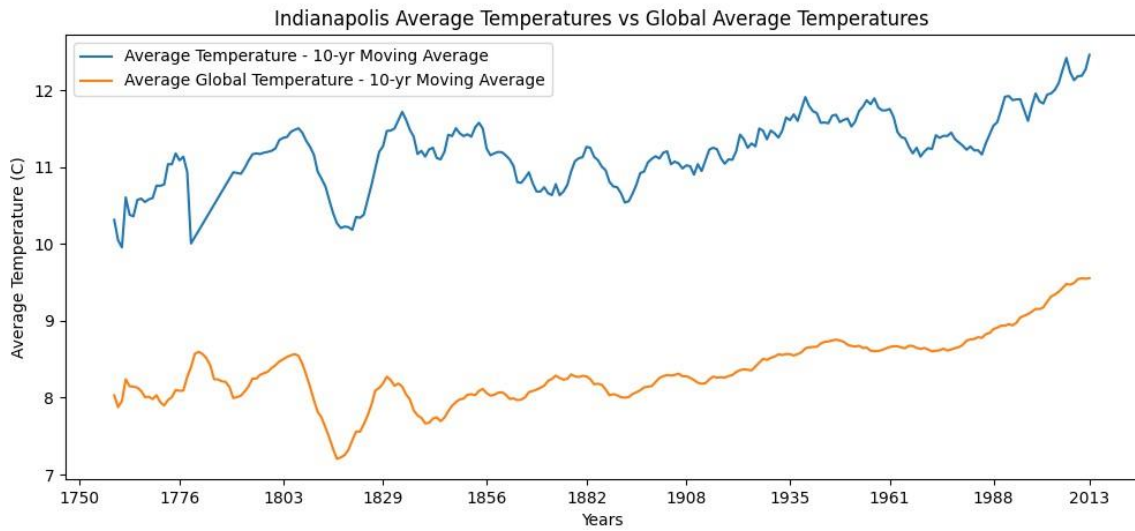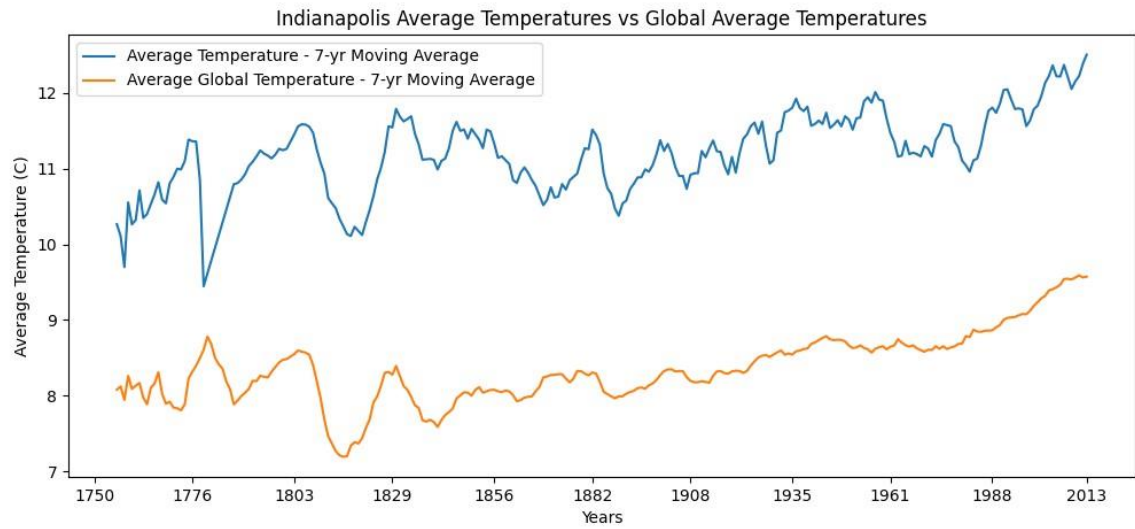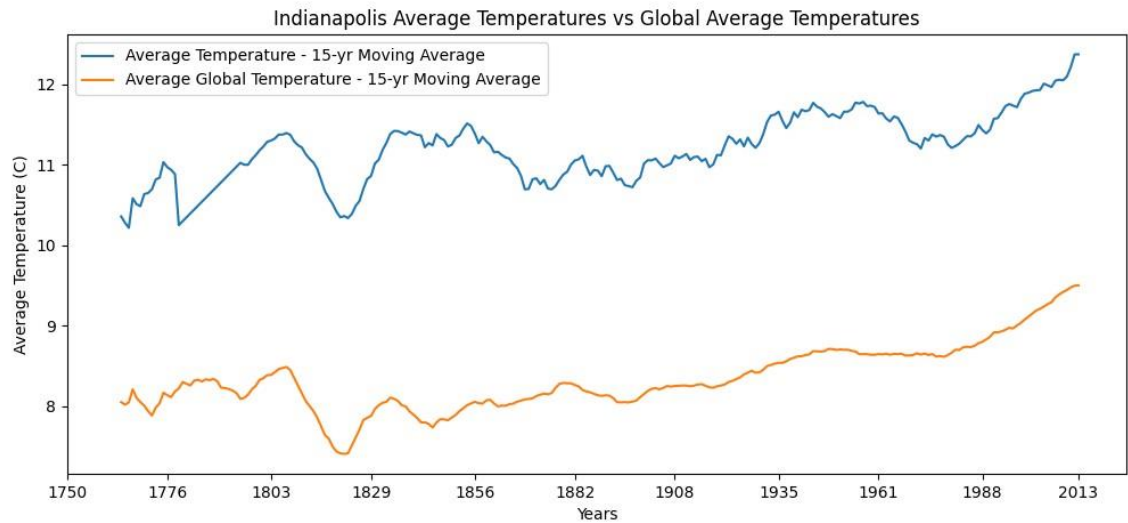1. SQL Query:
   a. SELECT city_data.year, city, country, city_data.avg_temp, global_data.avg_temp as avg_global_temp
   b. FROM city_data
   c. JOIN global_data ON city_data.year = global_data.year
2. What tools were used to prepare this data to be visualized?
   a. Queried the tables using a join to gather all data at once
   b. Wrote a program to take user input and process the data using Python
   c. Moving averages were calculated using the pandas method, rolling(), in conjunction with mean()
   d. I chose to give the user the option to select a 7-, 10-, or 15-yr moving average for comparing their city with the global rolling average of the same time frame
   e. I wanted to provide the ability to see the smoother 15-yr and the more erratic 7-yr in a clean visual
   f. There is also the option to compare all, but this causes the chart to be a little too "busy" to be useful

3. Graphs

Indianapolis Average Temperatures vs Global Average Temperatures

Indianapolis Average Temperatures vs Global Average Temperatures

Indianapolis Average Temperatures vs Global Average Temperatures

4. Observations
    a. All moving averages in local temperatures trend nicely with global temperatures
    b. 15-yr moving average is the smoothest visualization for a high-level look
    c. 7-yr moving average is shows the micro-movements within the larger dataset for some cities
    d. 10-yr moving average provides the best picture when comparing trends because the 7yr can be too erratic while the 15-yr can mask the anomalies