



Please find below the SQL queries I used to extract the data:

select * from city_data where city = 'Atlanta';

select * from global_data;

Preparation:

Here are the steps I took to prepare the data to be visualized in the chart:

1. I used \$0.0 to run the above queries.
2. I exported those results to a CSV file.
3. I copied both results to a single better Excel.
4. I then created a new column and input the formula for 7 day moving average in excel.
5. I then created a new column and input the formula for 7 day moving average in excel.
6. I then created a new column and input the formula for 7 day moving average in excel.
7. I then proceeded to merge both data sets based on year.
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8. I then proceeded to merge both data sets based on y One of the key considerations I used to decide how to visualize the trends was deciding on which type of chart would be best to use. I decide to use LINE CHART because they display relationships in how data changes over a period of time. It offers a quick visual on which direction the data is going.

Atlanta is hotter on average compared to the global average.

- 2. Atlanta's temperatures stayed lock-stepped with the global average over time. The difference has been consistent over time with an approximate variance of 6 degrees.
- 4. Over the last 100 years 7 day moving average temps have only increased by approximately 1 degree

2013 2014 2015