

Student Hub

Chat with peers and mentors

Summary

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In this project, you will analyze local and global temperature data and compare th where you live to overall global temperature trends.

Project Instructions

Instructions

Your goal will be to create a visualization and prepare a write up describing the si differences between global temperature trends and temperature trends in the clc you live. To do this, you'll follow the steps below:

- Extract the data from the database. There's a workspace in the next section database. You'll need to export the temperature data for the world as well a city to where you live. You can find a list of cities and countries in the city_1 with the database, you'll need to write a SQL query.
 - Write a SQL query to extract the city level data. Export to CSV.
 - Write a SQL query to extract the global data. Export to CSV.
- Open up the CSV in whatever tool you feel most comfortable using. We suggested the suggested of the complex such as Python or I
- **Create a line chart** that compares your city's temperatures with the global te sure to plot the *moving average* rather than the yearly averages in order to si making trends more observable (the last concept in the previous lesson goe in a spreadsheet).
- **Make observations** about the similarities and differences between the world city's averages, as well as overall trends. Here are some questions to get you
 - Is your city hotter or cooler on average compared to the global average been consistent over time?
 - "How do the changes in your city's temperatures over time compare to global average?"
 - What does the overall trend look like? Is the world getting hotter or coc been consistent over the last few hundred years?

Submission

Your submission should be a PDF that includes:

- An outline of steps taken to prepare the data to be visualized in the chart, su
 - What tools did you use for each step? (Python, SQL, Excel, etc)
 - How did you calculate the moving average?
 - What were your key considerations when deciding how to visualize the
- Line chart with local and global temperature trends
- At least **four observations** about the similarities and/or differences in the tre

Rubric

A Udacity reviewer will assess your project based on the criteria in the **project ruk** a guide while you complete the project, then give yourself a quick self-assessmen