Assignment 4: Becoming an Independent Data Scientist Example Solution

1 Region and Domain

State the region and the domain category that your data sets are about.

Beijing, Beijing, China
Temperature in Beijing against Global Ocean Surface Temperature in each month

2 Research Question

You must state a question about the domain category and region that you identified as being interesting.

Whether there is any correlation between temperature in Beijing against global ocean surface temperature in each month?
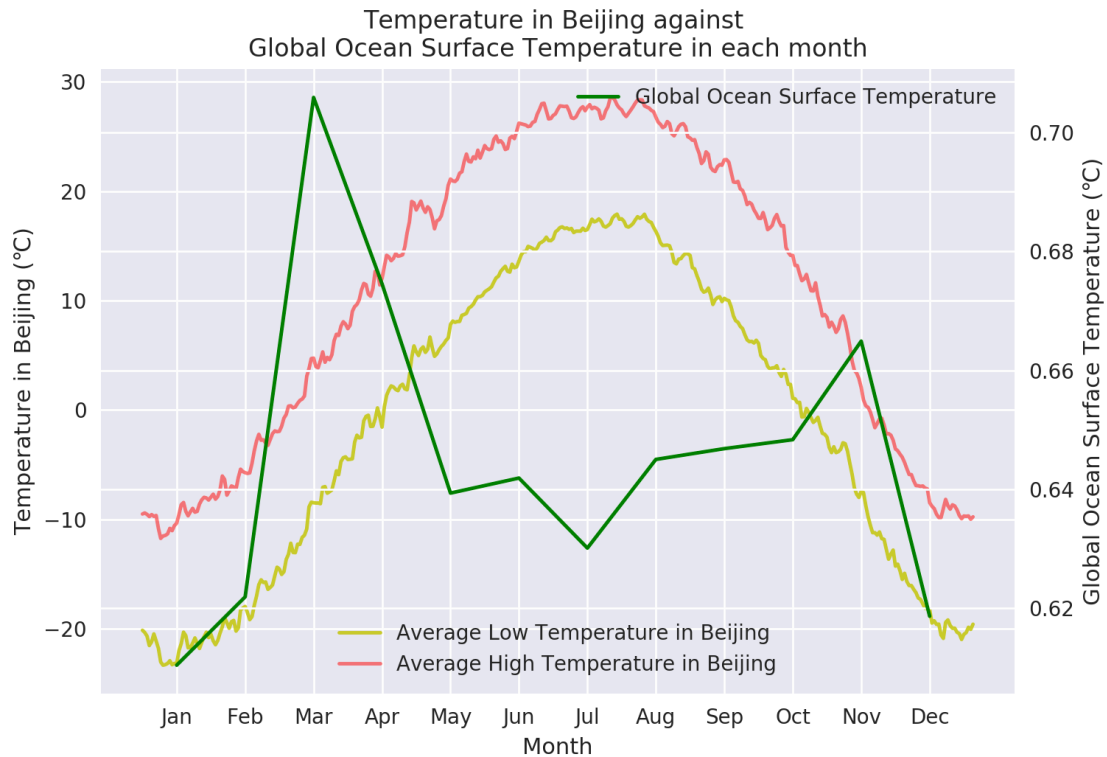
3 Links

You must provide at least two links to publicly accessible datasets. These could be links to files such as CSV or Excel files, or links to websites which might have data in tabular form, such as Wikipedia pages.

- data/C2A2_data/BinnedCsvs_d25/9bc594d0d6bf5fec16beb2afb02a3b859b7d804548c77d614b2a6b9b.csv

- https://raw.githubusercontent.com/datasets/global-temp/master/data/monthly.csv

4 Image

You must upload an image which addresses the research question you stated. In addition to addressing the question, this visual should follow Cairo's principles of truthfulness, functionality, beauty, and insightfulness.

Temperature in Beijing against Global Ocean Surface Temperature in each month

5 Discussion

You must contribute a short (1-2 paragraph) written justification of how your visualization addresses your stated research question.

This visualization was concerned with answering the question of whether there is any correlation between temperature in Beijing against global ocean surface temperature in each month. In the visual, we used the data from 2000 to 2015, and we found that no clear correlation exists between these two data. In the visual, we draw the line chart for both data and use different color to make the visual more eye-catching and beautiful.