* **Correlation between columns in 2020 - Los\_Angeles dataframe.png**

It is a heatmap plot showing the correlation coefficients of the columns in the Los Angeles data frame for 2020. Using that, we can identify the numerical value representation of the correlation between each column. It helps to identify the most correlated columns.

* **tavg Variation over time 2018, 2019, 2020 in all 6 cities.png**

It is a plot with 6 line plots. It shows the variation of the "tavg" parameter over 2018, 2019, and 2020 in all cities. Using that, we can identify the overall increments and decrements of the parameters clearly over the years.

* **tmin, tavg, tmax Data distribution over time 2018, 2019, 2020 in Sydney.png**

It is a scatter plot showing the data points distribution in the 3 columns mentioned above in a single plot for the three-year time. Using this, we can identify each region's density of data points.

* **Maximum values of weather parameters in cities.png**

It is a grouped bar plot representing the maximum value of each weather parameter over time in each city.

* **bonus\_task\_plot.png and Bonus\_task\_simulation.mp4**

It is a simulated line plot that represents the "tmin", "tavg", and "tmax" parameters' variation in Cairo city for the first 4 months of 2018. It is used to represent past data as a real-time data stream.