CONCLUSION

The Main Object of this Project was to show the increasing concern of Global Warming as depicted graphically by the Visualisation of this model. As you can observe in Figure1(next page), the actual values(depicted using the orange dots) coincide with the predicted values(blue line). This is for the period immediately after the training period. As we move towards the end of the dataset, where the time period increases beyond 1900s, into the 21st century (figure2 and figure3 – next page), the graph can be observed to have discrepancy in the overlap of the actual and predicted values. In fact, the gap between the two values is higher in figure 3 as compared to figure 4. It should also be noticed that the actual values tend to fall mostly above the predicted values. It could be inferred that the model has been predicting the temperature of the earth's surface based on the pattern it has been following int the past 2 centuries but, the earth is tending to get hotter thus breaking the pattern of the past. This deviation is a result of Global Warming which is accelerating the increase of the Global Average Temperature towards the end of the dataset.
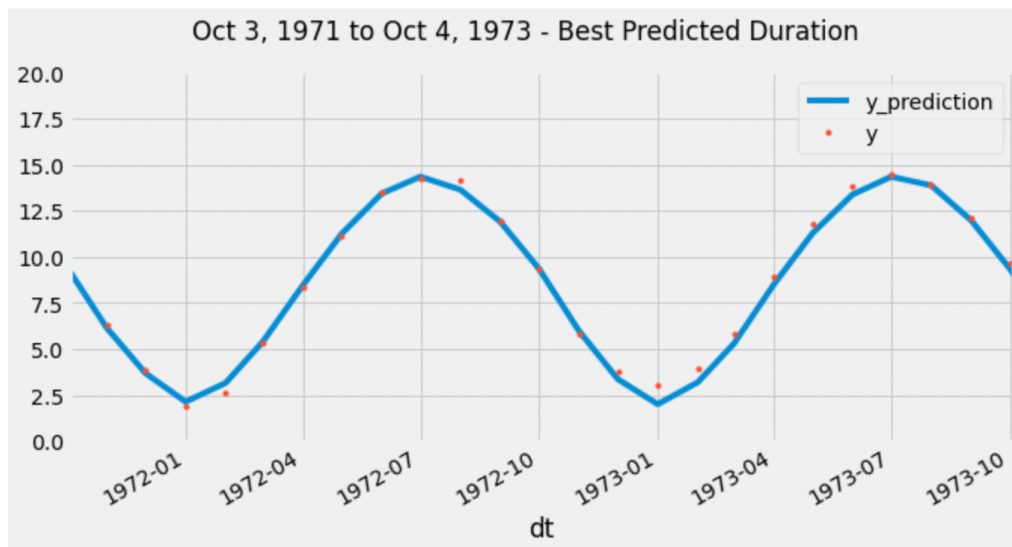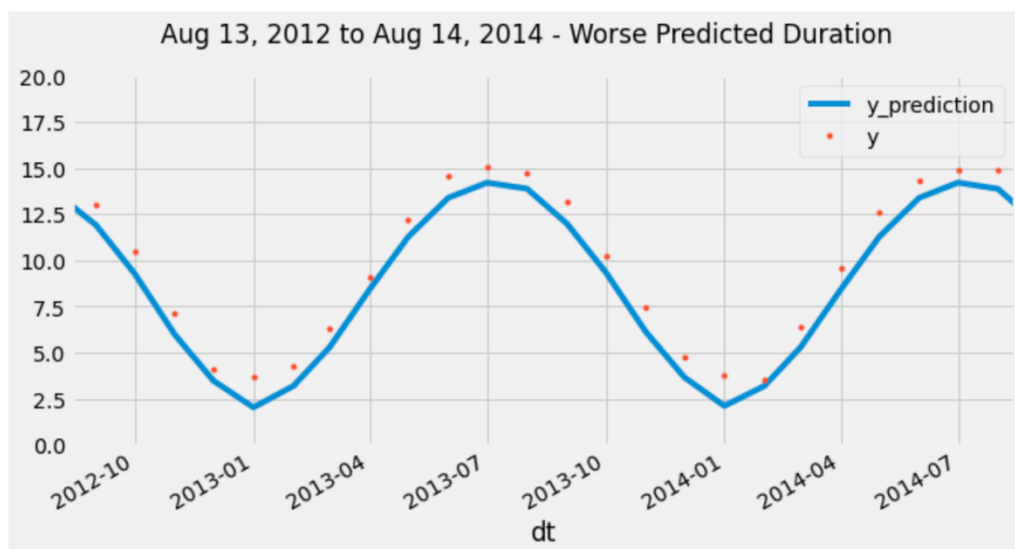
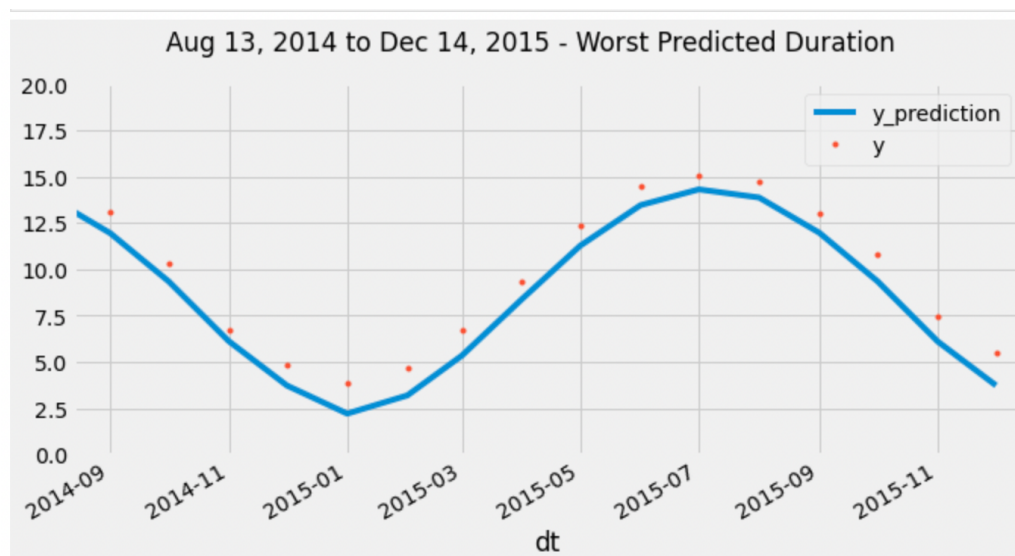Oct 3, 1971 to Oct 4, 1973 - Best Predicted Duration

Figure 1

Aug 13, 2012 to Aug 14, 2014 - Worse Predicted Duration

Figure 2

Aug 13, 2014 to Dec 14, 2015 - Worst Predicted Duration

Figure 3