

CometTS (Comet Time Series (CometTS) Visualizer)

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1 Introduction

Comet Time Series is a python tool with the objective of creating different time series from a region of interest. this program uses images and CSV files to create a time series analysis.

2 Content

The program demo, is creating a time series analysis of San Juan, Puerto Rico. This analysis is made from the VIIRS images from the satellite and create a forecast using ARIMA models.

3 Graphs

4 Conclusion

In Conclusion, We can see that with this program, it is easy to observe the changes that the place, in this case San Juan, Puerto Rico, has been throughout the time and also create a quick forecast of the area.

*Mun Summer2020 CMSC6950

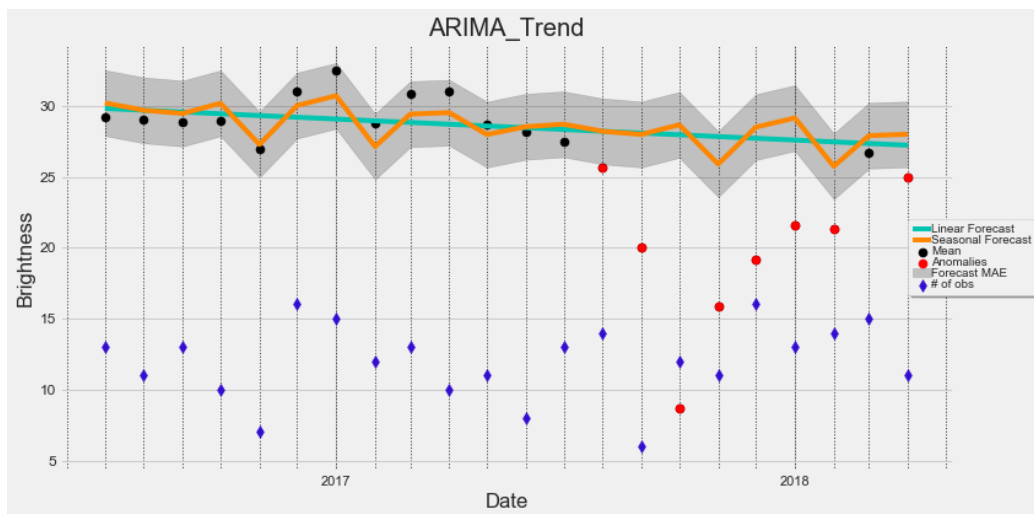


Figure 1: San Juan Arima Model