Anomaly Detection on NewYork Taxi

we used this Dataset to detect the demand of NY taxi by hour,day and week

We have visualized the data accordingly

Algorithms used-Isolation Forest, DBSCAN, SVM and FBprophet

The dataset covers taxi demand for approximately 7 months in 2014 and early 2015. A data point is recorded every 30 minutes. Just by looking, we can see some anomalies, I.e the spike that occurs at the beginning of November and most detection is on December , January

Mostly due to holidays of Christmas and New Year's

The additional anomalies are shown in Red