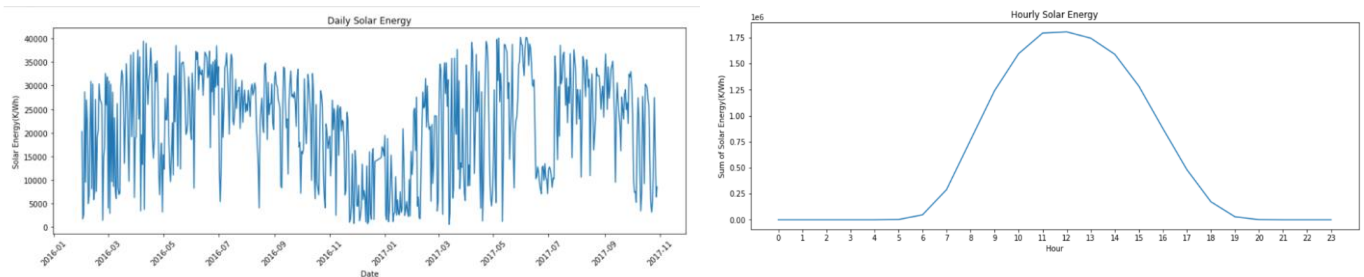# Solar Power Prediction

The Goal of the project is to predict solar power based on weather features and I have seen that the weather for a single day has not much different on an hourly basis also I can see that we will get solar power starting from 6 am until 5 pm for most of the day. Therefore, we have to deal with the daily basis for prediction.

Whether features can effect solar power and the most feature that can affect the solar power in positive ways is the visibility rate so when we have a high visibility rate we could have high solar power unless if we have a high cloud coverage rate. Running linear regression with accuracy 40 % and with Knn the best number of neighbors is 18 neighbors with accuracy of 43 % as we can see the model is not very good at this moment.