Prerequisite for time series:

Ensure feature engineering is done, so take we extract more data from the existing data.

Refer the link to feature engineering blog below:

https://www.analyticsvidhya.com/blog/2019/12/6-powerful-feature-engineering-techniques-time-series/

Time Series - Stock Prices

<https://colab.research.google.com/drive/15jLlXZUHIfZ9PKqb6LAoKvGUYSJZfdzs#scrollTo=D_38l_VJFqgf>

Time Series - Stock Prices(using ARIMA)

<https://colab.research.google.com/drive/1tDLWhZ4WtxFCwLUjfmiQV_hpaoIZ8nAo?usp=sharing>

Time Series - Power Value Prediction

<https://colab.research.google.com/drive/1rh44lfJKf8lx-H8o4B9NqiJBtf2BMOmR#scrollTo=rjhkeP2VmSB4>

# ***Final Colab Files :***

1. Time Series Colab for all Algorithm(Final) :

<https://colab.research.google.com/drive/1DN--XPmCpbSgCRts_EzALLObrR3etYKh#scrollTo=WCibEz48TCKv>

1. Power Consumption Forecasting
   1. XGBoost and LSTM:

<https://colab.research.google.com/drive/1JCMxuaRg7H0pWNXyWgS3zgpK_x0PB8gr#scrollTo=kNaRKqiw1qu6&uniqifier=1>

* 1. SARIMAX and VARMAX:

<https://colab.research.google.com/drive/1AlpWdMIIpkp7lTNSpHMQteZxSmFPUcaM#scrollTo=9FPUIUFv1bJT&uniqifier=4>