



Dealing With Time Series Data

BY: PRABHMEET GILL

Overview

- ▶ Time Series means that we have non-stationary data, like the stock market, weather data, or any retail sales data.
- ▶ The dataset contains 10,000 furniture, office supplies, and tech sales from different Superstore sales from the past 5 years
- ▶ How to plot/visualize time series data
- ▶ How to predict future sales using ARIMA (Autoregressive Integrated Moving Average) model
- ▶ How to predict future sales using the Facebook prophet model

Libraries

- ▶ Matplotlib
- ▶ Pandas
- ▶ Numpy
- ▶ Itertools
- ▶ Warnings
- ▶ Pylab
- ▶ Statsmodels (for ARIMA model)
- ▶ Fbprophet (for prophet model)

Code

- ▶ <https://github.com/PrabhmeetGill/CMPS184/blob/master/TimeSeries.ipynb>