

PETROL PRICE FORECASTING

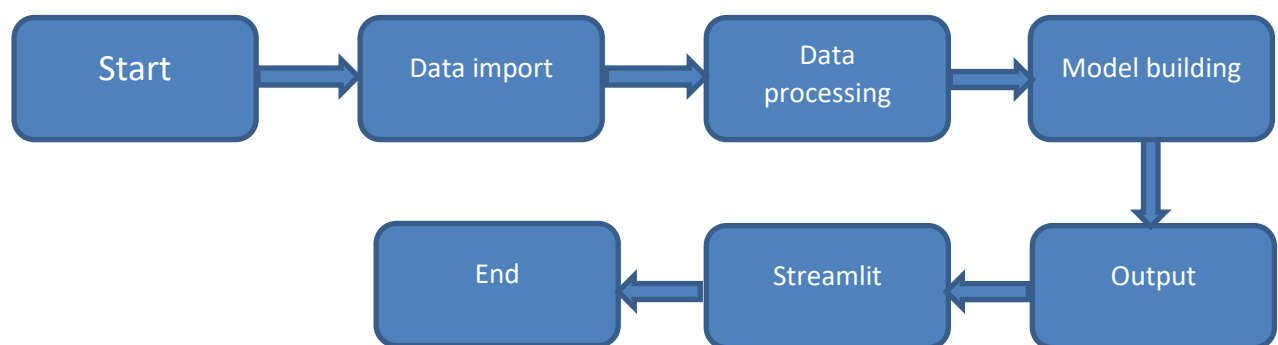
OBJECTIVE

The objective of this project is to perform the price trend forecast of petrol for time series.

INTRODUCTION

Using machine/deep learning we forecast the price of petrol based on time series. With help neural network algorithm we predict the price of petrol for future. Data which used in model is collected from the source provide by ineuron.

ARCHITECTURE



Data Description:

The data set consist of price of petrol with corresponding week. Dimension of this dataset is 2*814.

Data Pre-processing

Data Pre-processing steps we could use are Null value handling, minimax standard scalar to standardize the value and split the data to train and test set for further use.

Model Building

We build the model using LSTM neural network (with the time step 200) to predict the future price of petrol. The Adam optimizer and mean squared error used as loss function in this model.