**Documentation**

Software

Python Version: Python 3.5 or higher version

Packages

import glob

import datetime

import math

import pandas as pd

import numpy as np

import lightgbm as lgb

from sklearn.metrics import accuracy\_score, roc\_curve, auc, confusion\_matrix, accuracy\_score

from sklearn.utils import class\_weight

from keras import Sequential

from keras.layers import Dense, LSTM

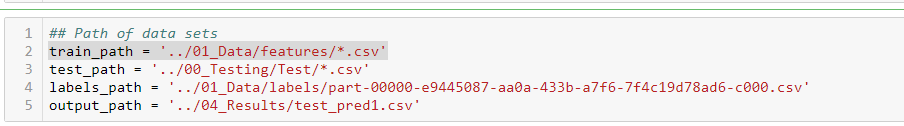
from keras.preprocessing.sequence import pad\_sequences

import matplotlib

import matplotlib.pyplot as plt

How to run

Provide paths on main.py file



Project Organization

* 01\_Data
  + Train Data
  + Validation Data
  + Test Data
* 02\_Code
  + 01\_EDA
  + 02\_Feature\_Engineering\_CV\_Folds\_Hyper\_Parameter\_Tunning
  + 06\_Visualization
  + Feature\_engineering
  + main
* 04\_Results
  + test\_pred1