Python Codes;

#importing libraries

import os

os.chdir("C:/Python27/Lib")

os.getwd()

impot pandas as pd

import numpy as np

import matplotlib as mtl

from Sklear.ensemble import RandomForestClassifier

from Sklearn import tree

from Sklearn.metrices import accuracy\_Score

import Sklear.cross\_validation import train\_test\_split

from Sklearn.tree import DecissiontreeRegressor

#loading data

day\_data = pd.read\_csv(“day\_data.csv” , sep = “,”)

#removing the 2 variables: “instant” and “dtdate” – one is index number and other one is date

del instant

del dtdate

#creating sample data

x = day.values[ : , 0:13]

y = day.values[ :, 13]

x\_train, x\_test, y\_train, y\_test, = train\_test split(x,y , test\_size = 0.2)

#random forest

Random\_model = RandomForestClassifier(n\_estimators = 100)

Fit(x\_train, y\_train)

Random\_predictor = Random\_model.predict(x\_test)

#regression model

#sample data

Train, test = train\_test\_split(day,test\_size = 0.2)

Fit = DecisionTreeRegressor(day\_depth = 2).fit

(train.iloc[:, 0:13] , train.iloc[: , 13])

Prediction = Fit.predict(test.iloc[:, 0:13])

#calculating the MAPE

def MAPE (y\_true, y\_ped);

mape = np.mean(np.abs((y\_true – y\_ped)/ y\_true)

return mape