import pandas as pd

import Quandal,math

from sklearn import Cross\_validation, preprocessing, svm

import pickle

from sklearn.liner\_model import LinearRegression

import matplotlib.pyplot as plt

from matplotlib import style

df= quandal.get('wiki/Googl')

df= df(["adj.close","HL\_prct","prct\_change","adj.volume])

forcast\_col = "adj.close"

df.fillna(-99999, inplace = True)

forcast\_out= int(math.ceil(0.01\* len(df)))

print(forcast\_out)

df["label"]= df[forecast\_col].shift(-forecast\_out)

X = np.array(df.drop["label"],1)

X= preprocessing.scale(X)

X = X[:forecast\_out]

X\_lately = X[-forecast\_out:]

df.dropna(inplace=True)

Y = np.array(df["label"])

X\_train, X\_test, Y\_train, Y\_test = cross\_validation.test\_train\_split(X,Y, test\_size = 0.2)

clf= LinearRegression(n\_jobs = -1)

clf.fit(X\_train Y\_train)

with open("pickle","wb") f: #pickle to save data

pickle.dump(clf, f)

'''

\\to open saved data

pickle\_in = open("linearregression", "rd")

clf= pickle.load(pickle\_in)

'''

accuracy= clf.predic(X\_test, Y\_test)

forecast\_set = clf.predict(X\_lately, accuracy, forecast\_out)