Day 13f Grover Handwritten Digit recognizer pythen wodl.

import pandas as pd import matplotlib.pvplot as plt from sklearn import sym from sklearn import metrics import joblib , reed to install from sklearn.decomposition import PCA import numpy as np dataframe = pd.read_csv('csv/dataset5labels.csv') reading data to use dataframe = dataframe.sample(frac-1) dataframe = dataframe.sample(frac=1).reset_index(drop=True) & shaffle the den if deta lich print dataframe Assigning teatress and labels X = dataframe.drop(['label'], axis=1) Y = dataframe['label'] (~ # X train, Y train = X[0:198], Y[0:198]# X_test,Y_test = X[198:],Y[198:] X_train, Y_train = X, Y - Training dataset $X_{test}, Y_{test} = X, Y$ & Why is the grid_data = X_train.values[40].reshape(28,28) plt.imshow(grid_data,interpolation=None,cmap="gray") plt.title(Y_train.values[40]) used for \$ The value (I should plt.show() ne for same feeting and of X-town of the index 40. trainine? model = svm.SVC(kernel="linear", C=2) this might take some time" checting. Din't do model.fit(X train, Y train) joblib.dump(model, "model/svm_0to5label_linear_2") (a sure the this and #model = joblib.load("svm_class_1") print "predicting" He rosm predictions = model.predict(X_test) print "Getting Accuracy" print "Score", metrics.accuracy_score(Y_test, predictions) Accuracy St predictions Most of the libraries used were form skyears.