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CODE:::
# -*- coding: utf-8 -*-
"""Twiter_Sentiment_Analysis.ipynb
Automatically generated by Colaboratory.
Original file is located at
  https://colab.research.google.com/drive/1KxBs2KPAiQ22Gk8hxwxWCYVaKDaoICkV
import pandas as pd
import re
train=pd.read_csv("/content/train.csv")
train.head()
train.drop("id",inplace=True,axis=1)
import nltk
nltk.download()
from nltk.stem import PorterStemmer
stemmer = PorterStemmer()
def clean_sentences(text):
  text = text.lower()
  text = re.sub(r''[^a-z0-9^,!.\v']'', "", text)
  text = " ".join(text.split())
  text = " ".join(stemmer.stem(word) for word in text.split())
  return text
x = train['tweet']
y = train['label']
x = x.map(lambda a: clean\_sentences(a))
x.head()
from sklearn.model_selection import train_test_split
x_train, x_test, y_train, y_test = train_test_split(x,y,stratify=y,random_state=42)
x_train.head()
from sklearn.feature_extraction.text import TfidfVectorizer
vectorizer = TfidfVectorizer(stop_words='english')
x_train = vectorizer.fit_transform(x_train)
x_test = vectorizer.transform(x_test)
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from sklearn.svm import LinearSVC

model = LinearSVC(C=1.05, tol=0.5)

model.fit(x_train,y_train)

from sklearn.metrics import confusion_matrix, accuracy_score, precision_score, f1_score, recall_score

confusion_matrix(y_test,model.predict(x_test))

accuracy_score(y_test,model.predict(x_test))

recall_score(y_test,model.predict(x_test))

precision_score(y_test,model.predict(x_test))

f1_score(y_test,model.predict(x_test))

OUTPUT:::





