```
!pip3 install nltk
```

```
Requirement already satisfied: nltk in /usr/local/lib/python3.7/dist-packages (3.2.5) Requirement already satisfied: six in /usr/local/lib/python3.7/dist-packages (from nl
```

→

```
import sklearn
import matplotlib.pyplot as plt
%matplotlib inline
import pandas as pd
from sklearn.model_selection import train_test_split
import numpy as np
import seaborn as sns
import re
import nltk
from nltk.corpus import stopwords
from wordcloud import WordCloud, STOPWORDS
from google.colab import files
uploaded=files.upload()
     Choose Files Tweets.csv
     • Tweets.csv(application/vnd.ms-excel) - 3421431 bytes, last modified: 3/1/2022 - 100% done
     Saving Tweets.csv to Tweets.csv
tweet=pd.read_csv("Tweets.csv")
tweet.tail()
tweet.shape
tweet.airline.value_counts()
```

United 3822
US Airways 2913
American 2759
Southwest 2420
Delta 2222
Virgin America 504

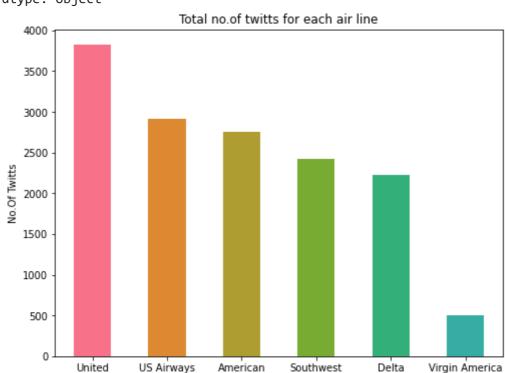
colors=sns.color_palette("husl",10)

Name: airline, dtype: int64

```
pd.Series(tweet["airline"].value_counts().plot(kind="bar",color=colors,figsize=(8,6),fonts
plt.xlabel("Air line",fontsize=10)
plt.ylabel("No.Of Twitts",fontsize=10)
tweet.airline_sentiment.value_counts()
colors=sns.color_palette("husl",10)
pd.Series(colors)
```

 \Box

```
0
     (0.9677975592919913, 0.44127456009157356, 0.53...
1
     (0.8616090647292522, 0.536495730113334, 0.1954...
2
     (0.6804189127793346, 0.6151497514677574, 0.194...
3
     (0.46810256823426105, 0.6699492535792404, 0.19...
4
     (0.20125317221201128, 0.6907920815379025, 0.47...
5
     (0.21044753832183283, 0.6773105080456748, 0.64...
6
     (0.2197995660828324, 0.6625157876850336, 0.773...
7
     (0.433280341176423, 0.6065273407962815, 0.9585...
     (0.8004936186423958, 0.47703363533737203, 0.95...
8
     (0.962272393509669, 0.3976451968965351, 0.8008...
dtype: object
```



Air line

X