

```
!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()
```

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
Name: airline, dtype: int64
```

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

```
pd.Series(tweet["airline"].value_counts()).plot(kind="bar",color=colors,figsize=(8,6),fontsi
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)
```



```
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...
8 (0.8004936186423958, 0.47703363533737203, 0.95...
9 (0.962272393509669, 0.3976451968965351, 0.8008...
```

dtype: object

