SENTIMENT ANALYSIS FOR MARKETING

PROJECT TITLE	SENTIMENT ANALYSIS FOR MAKETING
SKILLS TAKEN AWAY	Python scriptEDAUI deployment
DOMAIN	FMCG[FAST MOVING CONSUMER GOODS]

PROBLEM STATEMENT:

Customer review for any product . Product review feedback from customer play apivotal role in enriching the product quality along site meet the market expectation . It is easy for any seller to get review to one to one conversation with custom . If the product is stored in offline store but it is difficult to retrive and analyse the same review , if the same product sold online .

"E- commerce" one of the booming industries and is the one stop destination for various sellers to market and sell their product online to attract a large market.

Given set of review of each category for product that is live on a e-commerce plat form like flipkart/amazon/myntra etc...

LIBRARY INSTALLATION:

1.INSTALLING LIBRARIES:

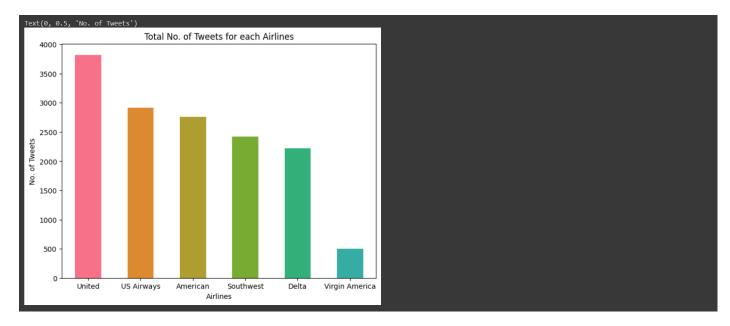
2.IMPORTING DATA SET:

[]	from google.colab import drive drive. drive.
	Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).
[]	# Load the dataset df=pd.read_csv('/content/Tweets.csv')

[] df.shape		
(14640, 15)		

3.COUNTING NO. OF TWEETS EACH AIRLINES RECEIVED:

4.PLOTTING NO. OF TWEETS EACH AIRLINE RECEIVED:



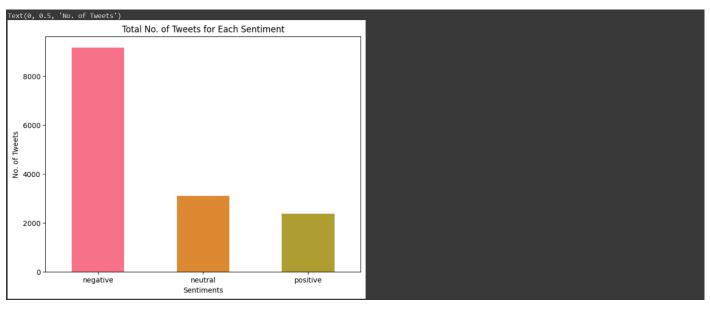
5.COUNTING THE NO. OF EACH SENTIMENT:

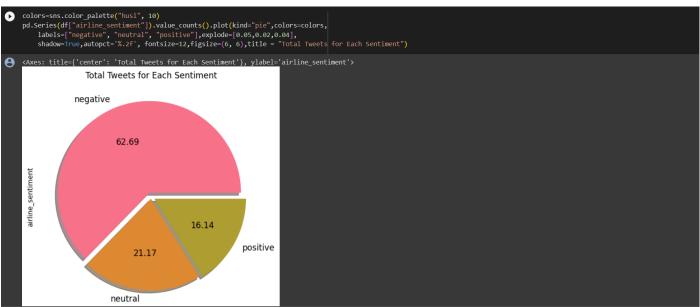
```
[] #counting the number of each type of sentiments

df.airline_sentiment.value_counts()

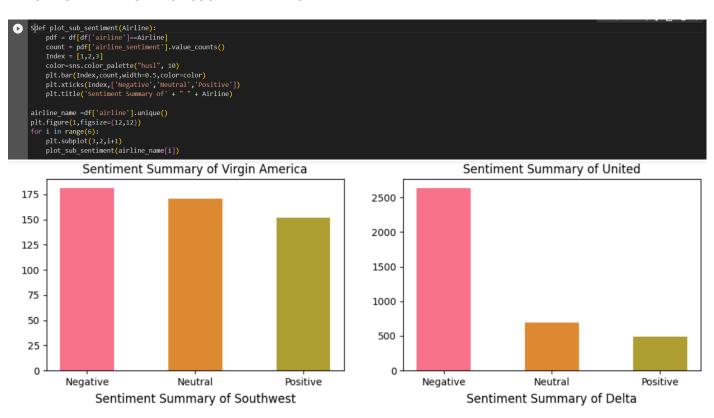
negative 9178
neutral 3099
positive 2363
Name: airline_sentiment, dtype: int64
```

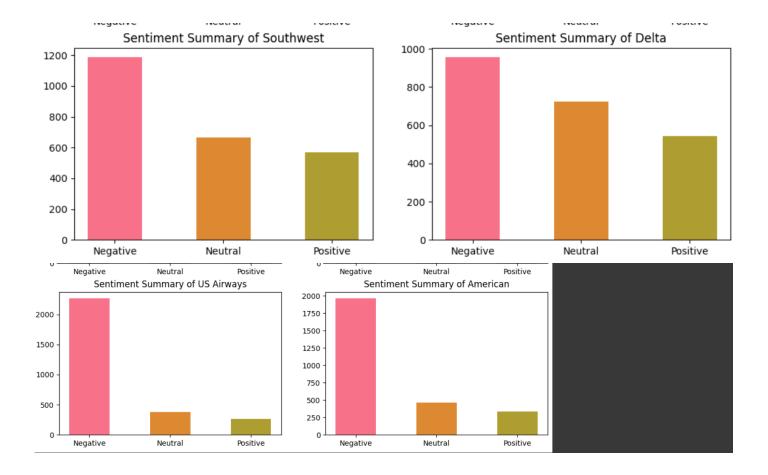
6.PLOTTING THE NO. OF EACH SENTIMENT:





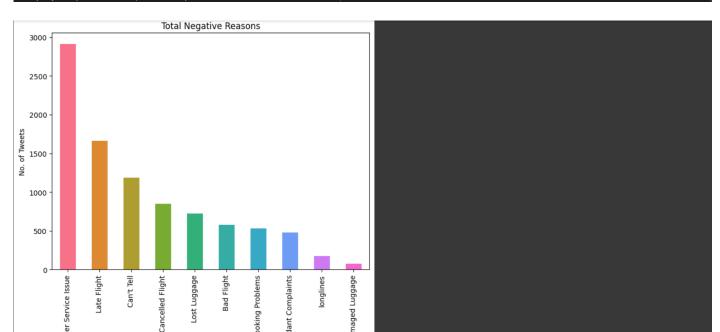
7.PLOTING REVIEW FOR EACH COUNTRY AIRLINES:

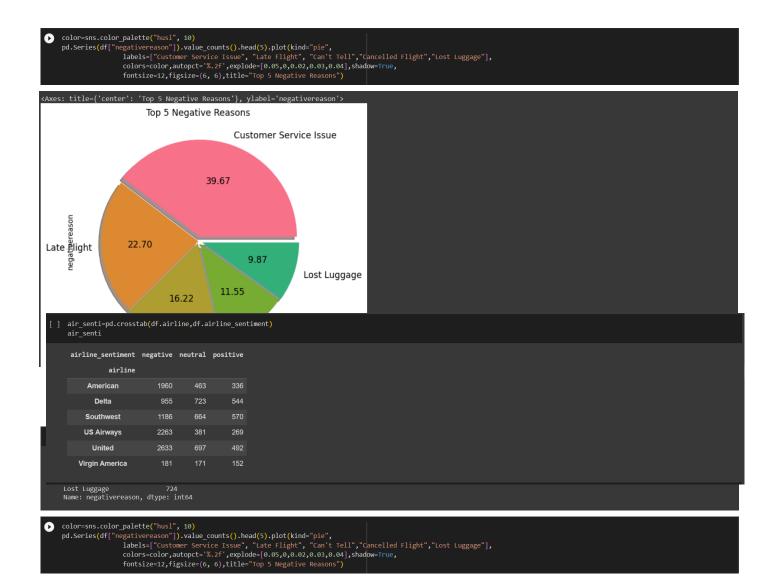




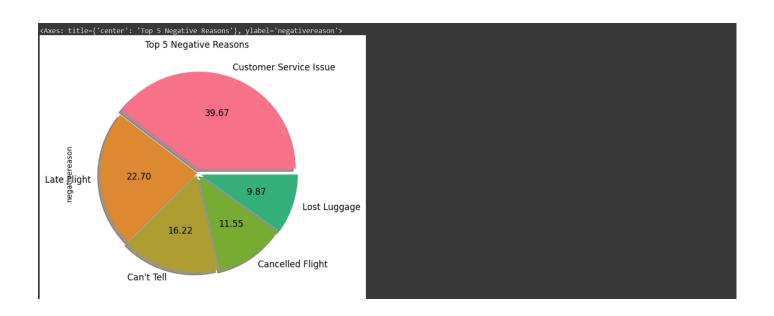
8.COUNTING TOTAL NO. OF NEGATIVE REASON:

9.PLOTING TOTAL NO. OF NEGATIVE REASON:





10.COUNTING EACH AIRLINE'S NEGATIVE REVIEW:

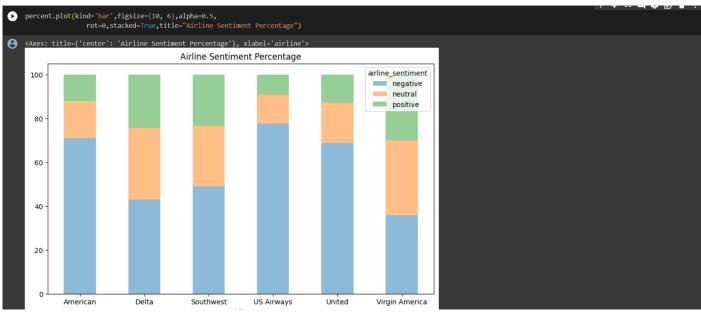


11.TABULATING THE REVIEWS:



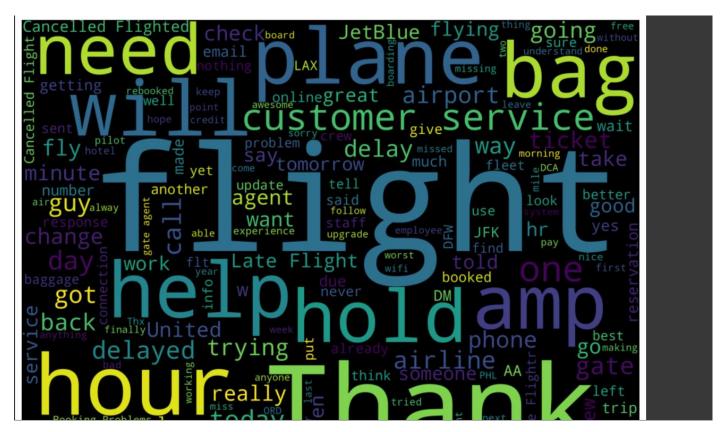
12.CALCULATING AND DISPLAYING PERCENTAGE OF EACH REVIEW:



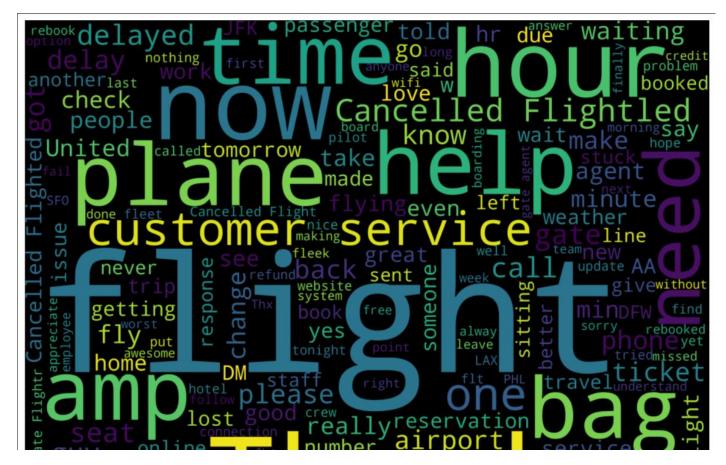


13.DATE OF CUSTOMER TWEETED:

14.VISULIZATION OF WORDS USED FOR NEGATIVE TWEETS:



15. VISULISATION OF WORDS USED FOR POSITIVE TWEETS:



16.VISULISATION OF WORDS USED FOR NEUTRAL TWEETS:



```
[ ] def tweet_to_words(raw_tweet):
    letters_only = re.sub("[^a-zA-Z]", " ",raw_tweet)
    words = letters_only.lower().split()
    stops = set(stopwords.words("english"))
    meaningful_words = [w for w in words if not w in stops]
    return( " ".join( meaningful_words ))

[ ] def clean_tweet_length(raw_tweet):
    letters_only = re.sub("[^a-zA-Z]", " ",raw_tweet)
    words = letters_only.lower().split()
    stops = set(stopwords.words("english"))
    meaningful_words = [w for w in words if not w in stops]
    return(len(meaningful_words))
```