Twitter.describe()

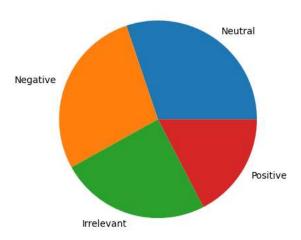
Objective: This project aims to Analyze and visualize sentiment patterns in social media(Twitter) data to understand public opinion and attitudes towards specific topics or brands.

Sentiment datasets are collections of text data that have been labeled with a sentiment, such as positive, negative, or neutral. They are used to train machine learning models to perform sentiment analysis, which is the task of automatically identifying the sentiment of a piece of text.

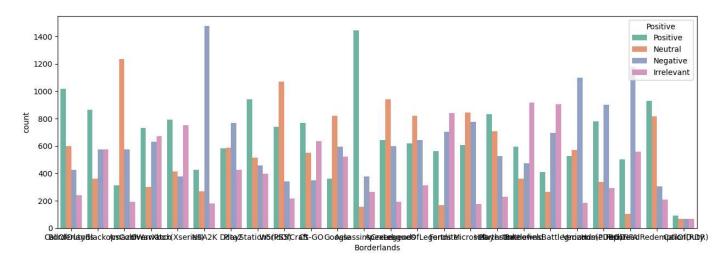
The Twitter Sentiment dataset is a collection of tweets that have been labeled as positive, negative, or neutral.

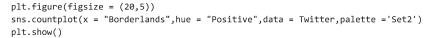
import pandas as pd import matplotlib.pyplot as plt import seaborn as sns import warnings warnings.filterwarnings("ignore") Twitter= pd.read_csv('/content/twitter_training.csv') Twitter im getting on borderlands and i will murder 2401 Borderlands Positive you all , da 0 2401 Borderlands Positive I am coming to the borders and I will kill you... 1 2401 Borderlands Positive im getting on borderlands and i will kill you ... 2 2401 im coming on borderlands and i will murder you... Borderlands Positive 2401 im getting on borderlands 2 and i will murder ... 3 Borderlands Positive 2401 im getting into borderlands and i can murder y... 4 Borderlands Positive 74676 9200 Nvidia Positive Just realized that the Windows partition of my... 74677 9200 Nvidia Positive Just realized that my Mac window partition is ... 74678 9200 Nvidia Just realized the windows partition of my Mac ... Positive 74679 9200 Nvidia Just realized between the windows partition of... Positive **74680** 9200 Nvidia Positive Just like the windows partition of my Mac is I... 74681 rows × 4 columns Next steps: Generate code with Twitter View recommended plots Twitter.head() \blacksquare im getting on borderlands and i will murder you 2401 Borderlands Positive ılı 0 2401 Borderlands Positive I am coming to the borders and I will kill you... 2401 Borderlands Positive im getting on borderlands and i will kill you ... 2 2401 Borderlands Positive im coming on borderlands and i will murder you... im getting on borderlands 2 and i will murder ... 3 2401 Borderlands Positive 2401 Borderlands im getting into borderlands and i can murder y... Positive Generate code with Twitter View recommended plots Next steps: Twitter.shape (53826, 4)

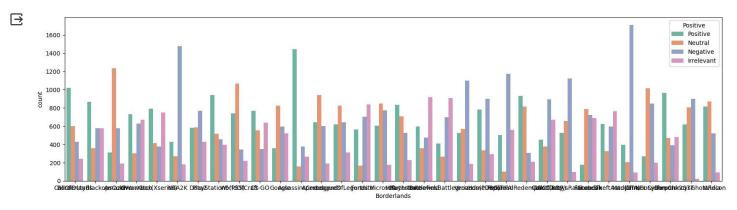
```
2401
      count 53826.000000
      mean
               6289.110950
       std
               3939.111938
                  1.000000
       min
              2664.000000
       25%
              6190.000000
       50%
       75%
              9685.000000
             13200.000000
       max
Twitter.info()
     <class 'pandas.core.frame.DataFrame'>
     RangeIndex: 53826 entries, 0 to 53825
     Data columns (total 4 columns):
                                                                      Non-Null Count Dtype
      # Column
      0 2401
                                                                      53826 non-null int64
          Borderlands
                                                                      53826 non-null object
      2 Positive
                                                                      53826 non-null object
      3 im getting on borderlands and i will murder you all , 53334 non-null object
     dtypes: int64(1), object(3)
     memory usage: 1.6+ MB
Twitter.isnull().sum()
     2401
                                                                     0
     Borderlands
                                                                     0
     Positive
                                                                     0
     \operatorname{im} getting on borderlands and \operatorname{i} will murder you all ,
                                                                   492
     dtype: int64
Data Cleaning and EDA:
Twitter.drop(["2401"],axis = 1,inplace = True)
Twitter.head()
         Borderlands Positive im getting on borderlands and i will murder you all ,
      0
          Borderlands
                         Positive
                                                   I am coming to the borders and I will kill you...
      1
          Borderlands
                         Positive
                                                    im getting on borderlands and i will kill you ...
      2
          Borderlands
                         Positive
                                                im coming on borderlands and i will murder you...
      3
          Borderlands
                         Positive
                                                  im getting on borderlands 2 and i will murder ...
          Borderlands
                         Positive
                                                 im getting into borderlands and i can murder y...
Twitter['Positive'].value_counts()
     Positive
                    16079
     Negative
                    14911
     Neutral
                    12882
     Irrelevant
                     9954
     Name: Positive, dtype: int64
plt.pie(Twitter['Positive'].value_counts(), labels=['Neutral','Negative','Irrelevant','Positive'])
plt.show()
```



```
plt.figure(figsize = (15,5))
sns.countplot(x = "Borderlands",hue = "Positive",data = Twitter,palette = 'Set2')
plt.show()
```







— + Code — + Text —