Result:

Read The Datasets

```
df=pd.read_csv("spam[1].csv", encoding="latin")
   df.head()
              v1
                                                    v2 Unnamed: 2 Unnamed: 3 Unnamed: 4
                   Go until jurong point, crazy.. Available only ...
         0 ham
                                                              NaN
                                                                         NaN
                                                                                    NaN
                                  Ok lar... Joking wif u oni...
         1 ham
                                                              NaN
                                                                         NaN
                                                                                    NaN
         2 spam Free entry in 2 a wkly comp to win FA Cup fina...
                                                              NaN
                                                                         NaN
                                                                                    NaN
         3 ham U dun say so early hor... U c already then say...
                                                              NaN
                                                                         NaN
                                                                                    NaN
         4 ham Nah I don't think he goes to usf, he lives aro...
                                                              NaN
                                                                        NaN
                                                                                    NaN
   df.info()
    RangeIndex: 5572 entries, 0 to 5571
       Data columns (total 5 columns):
        # Column
                      Non-Null Count Dtype
        ---
                      5572 non-null object
5572 non-null object
        0 v1
        1 v2
        2 Unnamed: 2 50 non-null
         3 Unnamed: 3 12 non-null
        4 Unnamed: 4 6 non-null
                                       object
        dtypes: object(5)
        memory usage: 217.8+ KB
https://colab.research.google.com/drive/129MCW7JMVSAWj0hvhC40OvyBeQTdEf9c
                                                                                                                                                       1/9
```

Handling The Missing value

```
df.isna().sum()
     v1
     Unnamed: 2
                   5522
     Unnamed: 3
                   5560
     Unnamed: 4
                   5566
     dtype: int64
df.rename({"v1":"label","v2":"text"},inplace=True,axis=1)
df.tail()
                                                             Unnamed:
                                                                         Unnamed:
                                                                                     Unnamed:
            label
                                                                    2
                                                                                3
                                                                                            4
                     This is the 2nd time we have tried 2 contact
                                                                 NaN
      5567
            spam
                                                                             NaN
                                                                                          NaN
                         Will i_ b going to esplanade fr home?
      5568
             ham
                                                                 NaN
                                                                                          NaN
                                                                             NaN
                      Pity, * was in mood for that. So...any other
      5569
             ham
                                                                 NaN
                                                                             NaN
                                                                                          NaN
                      The auv did some bitchina but
from sklearn.datasets import load_iris
iris=load iris()
```

Visual Analysis

