

OUTPUT SCREEN SHOTS: Un weighted

===== RESTART: C:/Users/user/Desktop/AML PROJ/KNN.py =====

LOADING DATASET....

221029 news_docs loaded.

1839 news_labels loaded.

Initiating Predictions

Split value : 0.8

K value : 1

ACCURACY: 60.946745562130175%

LOADING DATASET....

221029 news_docs loaded.

1839 news_labels loaded.

Initiating Predictions

Split value : 0.8

K value : 2

ACCURACY: 62.15469613259669%

LOADING DATASET....

221029 news_docs loaded.

1839 news_labels loaded.

Initiating Predictions

Split value : 0.8

K value : 3

ACCURACY: 58.57988165680473%

LOADING DATASET....

221029 news_docs loaded.

1839 news_labels loaded.

Initiating Predictions

Split value : 0.8

K value : 4

ACCURACY: 58.19672131147541%

LOADING DATASET....

221029 news_docs loaded.

1839 news_labels loaded.

Initiating Predictions

Split value : 0.8

K value : 5

ACCURACY: 62.643678160919535%

LOADING DATASET....

221029 news_docs loaded.

1839 news_labels loaded.

Initiating Predictions

Split value : 0.8

K value : 6

ACCURACY: 61.04651162790697%

```
LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.8
K value : 7
ACCURACY: 59.67302452316077%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.8
K value : 8
ACCURACY: 57.72357723577236%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.8
K value : 9
ACCURACY: 59.32642487046632%
>>>
```

===== RESTART: C:/Users/user/Desktop/AML PROJ/KNN.py =====

```
LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 1
ACCURACY: 80.42328042328042%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 2
ACCURACY: 75.15527950310559%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 3
ACCURACY: 82.82828282828282%
```

Initiating Predictions
Split value : 0.9
K value : 3
ACCURACY: 82.82828282828282%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 4
ACCURACY: 79.03225806451613%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 5
ACCURACY: 79.6116504854369%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 6
ACCURACY: 82.03592814371258%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 7
ACCURACY: 87.03703703703704%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 8
ACCURACY: 87.5%

LOADING DATASET....
221029 news_docs loaded.
1839 news_labels loaded.

Initiating Predictions
Split value : 0.9
K value : 9
ACCURACY: 86.28571428571429%

>>>

Weighted KNN Output:

===== RESTART: C:\Users\user\Desktop\AML PROJ\KNNWeighted.py =====

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.9

K VALUE : 1

ACCURACY 80.89887640449437%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.9

K VALUE : 2

ACCURACY 83.33333333333334%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.9

K VALUE : 3

ACCURACY 84.90566037735849%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.9

K VALUE : 4

ACCURACY 79.80295566502463%

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 4
ACCURACY 79.80295566502463%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 5
ACCURACY 87.5%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 6
ACCURACY 80.0%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 7
ACCURACY 88.0503144654088%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 8
ACCURACY 82.90155440414507%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 9
ACCURACY 86.82634730538922%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.9
K VALUE : 10
ACCURACY 83.33333333333334%

>>>

===== RESTART: C:\Users\user\Desktop\AML PROJ\KNNWeighted.py =====

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.8

K VALUE : 1

ACCURACY 60.38251366120219%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.8

K VALUE : 2

ACCURACY 62.53687315634219%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.8

K VALUE : 3

ACCURACY 57.14285714285714%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.8

K VALUE : 4

ACCURACY 61.206896551724135%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.8

K VALUE : 5

ACCURACY 54.89690721649485%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.8

K VALUE : 6

ACCURACY 57.32984293193717%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.8
K VALUE : 7
ACCURACY 58.96739130434783%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.8
K VALUE : 8
ACCURACY 59.2391304347826%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.8
K VALUE : 9
ACCURACY 57.291666666666664%

LOADING DATA.....
221029 News doc loaded
1839 News Label loaded

INITIATING PREDICTIONS....
SPLIT RANGE : 0.8
K VALUE : 10
ACCURACY 61.43617021276596%

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===== RESTART: C:\Users\user\Desktop\AML PROJ\KNNWeighted.py =====

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 1

ACCURACY 41.73913043478261%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 2

ACCURACY 45.19056261343013%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 3

ACCURACY 47.23247232472325%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 4

ACCURACY 38.75432525951557%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 5

ACCURACY 43.112701252236135%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 6

ACCURACY 40.75342465753425%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 7

ACCURACY 49.9054820415879%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 8

ACCURACY 43.96396396396396%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 9

ACCURACY 45.37366548042704%

LOADING DATA.....

221029 News doc loaded

1839 News Label loaded

INITIATING PREDICTIONS....

SPLIT RANGE : 0.7

K VALUE : 10

ACCURACY 44.50867052023121%

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