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(myenv) PS C:\Users\dhanu\Desktop\my_sens\ML\EC_SECTION_C_PES2UG22CS174> python Test.py --ID EC_C_PES2UG22CS174_Lab4
features and labels are obtained --before balancing of the dataset
No of feature are 6
Decision Tree:
      precision    recall  f1-score   support

   Hip-Hop       0.55      0.56      0.55        182
    Rock       0.90      0.89      0.89       779

 accuracy          0.83          961
 macro avg       0.72      0.73      0.72          961
weighted avg       0.83      0.83      0.83          961

DECISION TREE RESULTS:
      precision    recall  f1-score   support

   Hip-Hop       0.55      0.56      0.55        182
    Rock       0.90      0.89      0.89       779

 accuracy          0.83          961
 macro avg       0.72      0.73      0.72          961
weighted avg       0.83      0.83      0.83          961

LOGISTIC REGRESSION RESULTS:
Decision Tree:
      precision    recall  f1-score   support

   Hip-Hop       0.69      0.49      0.58        182
    Rock       0.89      0.95      0.92       779

 accuracy          0.86          961
 macro avg       0.79      0.72      0.75          961
weighted avg       0.85      0.86      0.85          961

      precision    recall  f1-score   support

   Hip-Hop       0.69      0.49      0.58        182
    Rock       0.89      0.95      0.92       779

 accuracy          0.86          961
 macro avg       0.79      0.72      0.75          961
weighted avg       0.85      0.86      0.85          961

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#####BALANCING OF THE DATASET#####
features and labels are obtained --before balancing of the dataset
No of feature are 6
Decision Tree:
      precision    recall  f1-score   support

   Hip-Hop       0.76     0.74     0.75     182
    Rock       0.75     0.77     0.76     182

 accuracy       0.76
macro avg       0.76     0.76     0.76     364
weighted avg    0.76     0.76     0.76     364

DECISION TREE RESULTS:
      precision    recall  f1-score   support

   Hip-Hop       0.76     0.74     0.75     182
    Rock       0.75     0.77     0.76     182

 accuracy       0.76
macro avg       0.76     0.76     0.76     364
weighted avg    0.76     0.76     0.76     364

LOGISTIC REGRESSION RESULTS:
Decision Tree:
      precision    recall  f1-score   support

   Hip-Hop       0.79     0.79     0.79     182
    Rock       0.79     0.79     0.79     182

 accuracy       0.79
macro avg       0.79     0.79     0.79     364
weighted avg    0.79     0.79     0.79     364

      precision    recall  f1-score   support

   Hip-Hop       0.79     0.79     0.79     182
    Rock       0.79     0.79     0.79     182

 accuracy       0.79
macro avg       0.79     0.79     0.79     364
weighted avg    0.79     0.79     0.79     364

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