Model: base_DecisionTree
HyperParams:

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_emotions_2.png
[[1202   47   18   44 133   23   11   19   11   14   14   7   4   48
     8   73   1   48   81   3 258   25   7   11   3   1   0   20]
 [58 700   17   45   41   7   7   11   9   9   17   7   5   19
     3   8   1   41   15   1 178   6   0   8   0   2   3   15]
 [21   29 378 166   32   12   18   29   3   31   37   41   4   7
     9   2   1   5   1   0 206   2   0   9   0   4   4   11]
 [52   65 229 377 109   25   43   35   12   77   90   58   14   10
     9   6   4   12   10   3 386   10   0   10   2   6   17   17]
 [196   51   53 135 621   69   45   42   38   50   62   18   11   28
     7   26   1   36   38   4 615   26   1   20   7   4   7   15]
 [41   13   21   44   75 160   9   12   9   16   20   0   3   3
     4   14   4   12   12   1 141   26   0   5   0   9   12   3]
 [19   28   28   56   47   11 293 118   7   15   26   6   5   8
     6   5   0   2   10   3 241   5   0   13   1   0   1   11]
 [28   17   36   62   48   11 167 394   9   11   19   2   4   15
     8   6   0   3   10   0 260   5   2   3   1   2   1   19]
 [18   11   9   17   37   12   9   10 121   12   7   1   2   15
     2   5   1   5   9   2 101   21   0   5   1   1   3   2]
 [24   19   50 112   61   22   19   13   9 171   60   30   6   5
    11   4   1   8   8   9 244   1   1   14   3   7   41   17]
 [33   33   94 162 121   25   68   23   7   81 364   25   12   9
     9   9   4   9   5   1 372   16   0   20   1   5   21   8]
 [12   20   70 103   29   3   10   3   3   27   40 127   5   4
    17   3   1   2   1   1   94   3   0   3   1   2   1   0]
 [7   7   21   31   23   6   11   5   3   16   11   12   45   1
     2   5   0   3   3   2   75   1   0   4   0   6   1   2]
 [74   35   17   19   35   4   10   31   8   6   5   3   1 117
     1   10   0   37   11   4 132   8   1   7   1   0   2   18]
 [8   7   14   22   15   4   4   6   3   13   10   14   3   2
   125   1   1   0   1   7   47   1   0   3   1   0   3   2]
 [111   12   4   19   36   22   2   9   2   8   8   1   1   14
     0 1041   0   23   8   0   52   10   3   2   6   11   2   2]
 [4   0   1   4   4   1   2   1   1   4   1   1   0   0
     2   0   5   0   0   0   14   0   1   2   0   2   8   0]
 [100 107   9   19   49   16   3   9   8   4   5   2   1   45
     6   27   3 214   49   0 114   4   3   3   6   1   5   2]
 [151   24   2   12   50   19   6   6   17   7   4   5   1   15
     5   12   0   48 517   2   84   6   0   3   0   3   3   2]
 [3   3   8   17   14   15   4   4   1   17   6   3   2   0
    15   1   0   0   0   25   37   1   0   0   0   0   8   3]
 [558 336 413 710 1049 263 413 407 152 280 511 117   51 146
    87   83   11 144 113   41 4750   99   6 129   14   28   78   78]
 [72   18   18   34   92   42   21   13   47   17   19   1   2   12
     6   19   2   20   13   0 209 209   2   7   4   2   6   7]
 [40   5   3   7   16   4   3   0   1   4   3   0   1   3
     2   2   0   6   0   0   42   6   5   1   1   0   2   0]]

```
[ 55  48  27  69 114  24  25  10  11  37  45   4   5   6
  10  10   2  14   7   2 343   8   0  63   1  10   7  15]
[ 20   4   2   7  24  13   2   2   0   2   2   0   0   1
   0   9   0  12   3   0  32   2   0   2  16   0   1   0]
[  4   4   5  17  19   9  10   4   3  26   3   1   6   1
   0  12   5   0   1   0  34   1   0   4   0  83  19   1]
[ 19  14  30  67  56  22  12   3   9  87  51  16  13   6
  15   5   4   3   3   8 134   2   1  17   0  54 144   0]
[ 62  16  23  31  40   5  23  37   4  20  17   9   8  32
   7   4   1  16   2   1 166   4   0  12   0   0   5 146]]
```
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_4.txt

	precision	recall	f1-score	support
admiration	0.40	0.56	0.47	2134
amusement	0.42	0.57	0.48	1233
anger	0.24	0.36	0.28	1062
annoyance	0.16	0.22	0.18	1688
approval	0.21	0.28	0.24	2226
caring	0.19	0.24	0.21	669
confusion	0.23	0.30	0.26	965
curiosity	0.31	0.34	0.33	1143
desire	0.24	0.28	0.26	439
disappointment	0.16	0.18	0.17	970
disapproval	0.25	0.24	0.24	1537
disgust	0.25	0.22	0.23	585
embarrassment	0.21	0.15	0.17	303
excitement	0.20	0.20	0.20	597
fear	0.33	0.39	0.36	317
gratitude	0.74	0.74	0.74	1409
grief	0.09	0.09	0.09	58
joy	0.30	0.26	0.28	814
love	0.56	0.51	0.53	1004
nervousness	0.21	0.13	0.16	187
neutral	0.51	0.43	0.47	11067
optimism	0.41	0.23	0.29	914
pride	0.15	0.03	0.05	157
realization	0.17	0.06	0.09	972
relief	0.23	0.10	0.14	156
remorse	0.34	0.31	0.32	272
sadness	0.36	0.18	0.24	795
surprise	0.35	0.21	0.26	691
accuracy			0.36	34364
macro avg	0.29	0.28	0.28	34364
weighted avg	0.37	0.36	0.36	34364

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_sentiments_2.png
[[1770 593 912 496]
 [880 4658 1520 716]
 [1604 2515 5241 1707]
 [858 1322 2523 7049]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_5.txt

	precision	recall	f1-score	support
ambiguous	0.35	0.47	0.40	3771
negative	0.51	0.60	0.55	7774
neutral	0.51	0.47	0.49	11067
positive	0.71	0.60	0.65	11752
accuracy			0.54	34364
macro avg	0.52	0.54	0.52	34364
weighted avg	0.56	0.54	0.55	34364