Model: base_DecisionTree
HyperParams:

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_emotions_1.png
[[1198   48   19   43 131   24   13   21   11   14   15   7   4   49
     7   75   1   50   82   3 250   25   7   12   3   1   1   20]
 [58 701   18   44   41   7   9   11   9   9   18   6   5   20
     3   8   1   41   15   1 174   5   0   8   0   2   3   16]
 [20   29 381 165   32   12   19   29   3   31   36   39   4   7
     8   2   1   5   1   0 207   2   0   9   0   4   4   12]
 [53   65 230 377 104   26   44   36   12   77   91   60   14   10
     9   7   4   13   10   3 382   10   0   10   2   6   17   16]
 [194   48   53 138 620   70   46   41   39   49   61   18   11   24
     9   26   1   40   39   4 612   26   1   24   7   4   6   15]
 [40   14   22   44   76 159   9   12   8   16   21   0   3   3
     4   13   4   12   12   1 140   27   0   5   0   9   12   3]
 [20   28   29   55   46   11 292 119   7   15   26   6   5   10
     6   5   0   3   10   3 239   4   0   13   1   0   1   11]
 [28   19   31   67   49   11 165 393   9   10   17   2   4   16
     7   6   0   3   10   0 263   5   2   3   1   2   1   19]
 [18   11   9   17   33   12   9   10 122   12   8   1   2   15
     2   4   1   5   9   2 104   21   0   5   1   1   3   2]
 [25   19   52 115   59   25   18   13   9 170   57   30   5   5
    10   4   1   8   8   9 243   1   1   13   3   7   43   17]
 [31   30   94 164 120   22   68   23   7   82 366   25   12   8
    10   9   4   10   5   1 376   16   0   20   1   5   20   8]
 [12   19   69 106   28   3   10   3   3   28   38 127   5   4
    17   3   1   2   1   1   95   3   0   3   1   2   1   0]
 [7   8   21   32   24   5   11   5   3   15   11   12   47   1
     2   5   0   3   2   2   73   1   0   4   0   6   1   2]
 [76   36   18   20   34   4   10   30   8   6   5   3   1 117
     1   9   0   36   11   4 131   8   1   6   1   0   3   18]
 [6   7   14   22   16   4   4   6   3   13   10   14   3   2
   126   1   1   1   0   7   47   1   0   3   1   0   3   2]
 [110   12   4   15   36   23   3   9   2   6   7   1   1   14
     0 1041   0   27   7   0   56   10   3   2   6   11   2   1]
 [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]
 [101 107   10   19   47   16   3   9   8   4   5   2   1   46
     6   28   3 216   47   0 112   4   3   3   6   1   5   2]
 [151   25   1   11   50   19   7   6   18   7   4   5   1   14
     2   12   0   48 521   1   84   6   0   3   0   3   3   2]
 [3   3   8   17   14   16   4   4   1   16   6   3   2   0
    15   1   0   0   0   25   37   1   0   0   0   0   8   3]
 [554 340 408 702 1049 265 412 411 150 280 509 117   51 144
    88   82   11 146 112   41 4760   98   6 130   14   30   78   79]
 [71   15   17   35   92   48   21   14   45   18   22   1   2   12
     6   17   2   21   14   0 202 212   2   6   4   2   6   7]
 [40   5   3   7   16   4   3   0   1   3   3   0   1   3
     2   2   0   6   0   0   43   6   5   1   1   0   2   0]]

```
[  55  50  28  71 112  25  26  10  10  36  45   4   5   6
    9  10   2  14   8   2 341   8   0  62   1  10   7  15]
[  20   4   2   6  25  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  20  10  10   3   3  26   3   1   9   1
    0  12   5   0   1   0  35   1   0   4   0  80  17   1]
[  19  14  31  66  56  23  12   3   9  86  50  16  14   7
   15   5   4   3   3   8 134   2   1  16   0  54 144   0]
[  64  16  24  33  39   5  22  39   4  19  16   9   8  32
    7   5   1  16   2   1 161   4   0  10   0   0   5 149]]
```

Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_2.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	0.29	1062
annoyance	0.16	0.22	0.18	1688
approval	0.21	0.28	0.24	2226
caring	0.18	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	0.16	0.18	303
excitement	0.20	0.20	0.20	597
fear	0.34	0.40	0.37	317
gratitude	0.74	0.74	0.74	1409
grief	0.09	0.09	0.09	58
joy	0.29	0.27	0.28	814
love	0.56	0.52	0.54	1004
nervousness	0.21	0.13	0.16	187
neutral	0.51	0.43	0.47	11067
optimism	0.42	0.23	0.30	914
pride	0.15	0.03	0.05	157
realization	0.16	0.06	0.09	972
relief	0.23	0.10	0.14	156
remorse	0.33	0.29	0.31	272
sadness	0.36	0.18	0.24	795
surprise	0.35	0.22	0.27	691
accuracy			0.36	34364
macro avg	0.29	0.28	0.28	34364
weighted avg	0.38	0.36	0.36	34364

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_sentiments_1.png
[[1776 596 904 495]
 [888 4648 1524 714]
 [1609 2506 5246 1706]
 [853 1338 2526 7035]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_3.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