Test size: 0.2
Model: base_DecisionTree
HyperParams:

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_emotions_0.png
[[1198 47   22   47 132   23   12   19   12   14   15   7   4   50
     8   73   1   50   81   3 247   26   7   12   3   1   0   20]
 [58 701   18   46   41   7   7   11   9   9   18   6   5   19
     3   8   1   42   15   1 174   6   0   8   0   2   3   15]
 [19   27 381 165   32   12   20   29   3   32   39   40   4   7
     9   2   1   5   1   0 204   2   0   9   0   4   4   11]
 [51   66 230 375 106   25   44   36   12   77   91   58   14   10
     9   7   4   12   10   3 387   10   0   10   2   6   17   16]
 [193   50   53 138 623   69   45   38   38   50   60   18   11   28
     7   25   1   36   39   4 613   28   1   23   7   4   9   15]
 [40   13   21   44   76 160   9   12   8   15   20   0   3   3
     4   14   4   11   12   1 142   27   0   5   0   9   13   3]
 [19   28   31   56   45   11 293 118   7   17   26   6   5   8
     6   5   0   3   10   3 236   5   0   14   1   0   1   11]
 [28   16   35   63   50   11 167 393   9   10   20   2   4   16
     9   6   0   3   8   0 257   5   2   5   1   2   1   20]
 [18   11   9   16   36   12   9   10 123   12   8   1   2   15
     2   5   1   5   9   2 100   21   0   5   1   1   3   2]
 [23   19   50 114   58   21   19   12   9 175   57   30   7   5
    11   4   1   8   8   10 243   1   1   15   3   7   42   17]
 [32   31   94 163 121   23   68   22   7   80 366   25   12   9
    10   10   4   9   5   1 374   15   0   20   1   5   21   9]
 [12   18   68 106   30   3   10   3   3   29   39 127   5   4
    17   4   1   2   1   1   92   3   0   3   1   2   1   0]
 [7   8   19   31   23   6   13   5   3   15   11   12   45   1
     2   5   0   3   2   2   74   1   0   4   0   7   1   3]
 [76   35   17   20   34   4   10   30   8   6   6   3   1 116
     1   9   0   36   11   4 132   8   1   7   1   0   3   18]
 [6   7   14   22   15   5   4   6   3   13   10   14   3   2
   126   1   1   1   1   7   46   1   0   3   1   0   3   2]
 [112   13   4   17   38   21   2   10   2   7   8   1   1   14
     0 1037   0   24   9   0   54   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]
 [100 107   9   17   51   14   3   10   8   4   6   2   1   46
     6   27   3 216   50   0 111   3   3   3   6   1   5   2]
 [149   25   1   12   49   19   6   7   18   7   5   6   1   16
     4   12   0   47 518   2   85   4   0   3   0   3   3   2]
 [3   3   8   17   15   16   4   4   1   16   6   3   2   0
    15   1   0   0   0   25   36   1   0   0   0   0   8   3]
 [554 339 405 698 1041 263 417 409 156 280 516 116   51 147
    89   81   11 146 112   43 4755   98   6 135   14   28   78   79]
 [72   15   17   35   90   42   21   14   47   19   19   1   2   12
     7   17   2   20   12   0 206 216   2   6   4   2   7   7]
 [40   5   3   7   15   4   3   0   1   4   3   0   2   3

```
    2    2    0    6    0    0   43    6    5    1    1    0    1    0]
 [ 56   48   25   69  112   25   25   12   10   36   47    4    5    6
   10   10    2   14    7    2  344    8    0   62    1    9    8   15]
 [ 20    4    2    6   24   13    2    2    0    3    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   27    4    1    6    1
    0   12    5    0    1    0   31    1    0    5    0   83   19    1]
 [ 20   14   31   67   53   22   12    3    9   87   50   16   13    6
   15    5    4    3    5    8  134    2    1   16    0   55  144    0]
 [ 64   14   23   32   40    5   23   37    4   20   20    9    8   33
    7    4    1   16    2    1  158    4    0   11    0    0    4  151]]
```
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_0.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	0.19	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	0.19	0.20	597
fear	0.33	0.40	0.36	317
gratitude	0.74	0.74	0.74	1409
grief	0.09	0.09	0.09	58
joy	0.30	0.27	0.28	814
love	0.56	0.52	0.54	1004
nervousness	0.20	0.13	0.16	187
neutral	0.51	0.43	0.47	11067
optimism	0.42	0.24	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	0.34	0.31	0.32	272
sadness	0.35	0.18	0.24	795
surprise	0.36	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_0.png
[[1778 598 905 490]
 [889 4649 1530 706]
 [1603 2517 5228 1719]
 [856 1326 2524 7046]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_1.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