Model: base_DecisionTree_2.5
HyperParams:

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_2.5_emotions_1.png
[[2583 115   36 102 360   54   40   46   34   33   56   22
      9 127   9 163   3 147 234   5 812   70   24   45
     10   3   12   67]
 [151 1556   40 116 114   19   31   27   16   22   60   15
     13   52   12   22   2 169   35   2 565   18   6   29
      2   0   7   29]
 [46   48 770 371   85   28   49   56   14   91 119   98
     15   14   20   12   7   13   17   1 645   22   3   30
      1   6   21   23]
 [121 148 458 765 273   68 104 117   33 168 272 141
     53   32   39   20   6   35   50   11 1051   32   3   56
     10   15   45   43]
 [454 136   96 302 1273 151 136 106   75 119 191   54
     26   82   28   74   5 107 106   22 1723   75   10 115
     21   10   30   35]
 [61   28   60 100 199 380   18   22   34   45   54   7
      8   12   9   33   4   30   36   11 453   65   1   16
      2   26   27   7]
 [57   49   65 134 147   32 602 293   20   46 106   23
     11   23   11   8   6   11   13   4 696   13   4   34
      2   3   12   31]
 [87   50   53 138 130   26 363 900   15   43   63   21
     13   41   13   7   0   26   24   2 775   16   0   25
      3   8   3   65]
 [48   23   17   51   85   39   23   24 258   28   16   6
      3   27   4   16   3   14   27   3 281   55   1   15
      0   4   6   3]
 [63   38 122 252 172   55   45   39   31 363 141   71
     26   18   18   10   5   39   20   23 643   19   2   41
      7   30 114   40]
 [78   63 192 386 325   68 136   53   26 193 772   74
     29   19   34   15   6   29   25   7 1156   43   2   65
      6   20   38   20]
 [29   27 153 195   83   7   33   18   5   70   77 279
     20   6   27   4   4   8   4   7 329   8   1   12
      2   7   17   5]
 [19   25   34   81   55   11   24   16   6   28   35   26
    107   6   10   5   1   8   6   5 174   5   2   12
      3   17   15   13]
 [182   64   38   59 103   16   26   59   25   21   20   11
      3 283   4   25   1 102   40   3 355   37   1   19
      3   3   6   44]
 [25   17   33   53   45   19   16   12   5   26   29   46
     11   5 262   3   5   4   1   24 203   5   1   12
      2   1   18   2]
 [260   32   12   56   65   41   13   20   4   19   20   7

```
    5    45     0  2556     1    71    31     1   202    45     3     3
   21    40    10     6]
 [    6     5     8    13     8     5     4     2     3     9     6     3
    8     1     6     1    15     0     0     3    40     0     0     5
    0     8    14     1]
 [  239   246    17    44   128    43    20    22    22    17    17    10
    4   106     8    82     0   515   133     5   334    25    10    19
   19     2     9    18]
 [  291    46     7    28   119    37     9    19    31    11    25     7
    4    45     2    26     2   108  1367     4   298    21     2     7
    1     5     9     6]
 [   12     2    15    40    26    18    14    12     4    27    18     9
   11     6    26     1     1     4     1    45    92     8     1     6
    0     2    13     4]
 [ 1242   673   862  1509  2367   599   973   961   386   675  1224   330
  158   351   180   219    32   369   378    98 12412   349    47   444
   61    79   246   246]
 [  146    40    37    85   223    99    48    30   123    49    46    14
   10    31     9    40     3    62    27     2   525   528     5    20
    9     6    14     9]
 [   71     6     4    16    33    12     7     2     2     4     6     2
    2     7     2    13     0    21     3     0   104     9    21     9
    3     0     4     1]
 [   96    65    64   150   255    43    77    53    29    89   109    11
   22    24    20    13     4    45    17    16   857    29     3   180
   10    25    26    32]
 [   26     7     7    12    52    31     7     4     3    10     8     1
    1     8     1    24     1    27     5     3   103     5     2     8
   37     3     5     0]
 [   14     6    10    34    34    23     9     7     4    44    34     4
   21     2     3    20     9     6     3     1   115     7     0    12
    0   229    48     2]
 [   36    31    62   119   117    52    26    22    16   186    95    48
   23    14    25    18    14    14    15    22   448    16     1    24
    6   107   381     9]
 [  117    53    51    96    98    11    57    90     5    42    55    18
   20    69    15     8     1    32     9     5   409    14     0    47
    1     2     7   407]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_2.5_2.txt
              precision    recall  f1-score   support
```

	precision	recall	f1-score	support
admiration	0.39	0.49	0.44	5221
amusement	0.43	0.50	0.46	3130
anger	0.23	0.29	0.26	2625
annoyance	0.14	0.18	0.16	4169
approval	0.18	0.23	0.20	5562
caring	0.19	0.22	0.20	1748
confusion	0.21	0.25	0.22	2456
curiosity	0.30	0.31	0.30	2910
desire	0.21	0.24	0.22	1080
disappointment	0.15	0.15	0.15	2447

	precision	recall	f1-score	support
disapproval	0.21	0.20	0.20	3880
disgust	0.21	0.19	0.20	1437
embarrassment	0.17	0.14	0.15	749
excitement	0.19	0.18	0.19	1553
fear	0.33	0.30	0.31	885
gratitude	0.74	0.71	0.73	3589
grief	0.11	0.09	0.10	174
joy	0.26	0.24	0.25	2114
love	0.52	0.54	0.53	2537
nervousness	0.13	0.11	0.12	418
neutral	0.48	0.45	0.47	27470
optimism	0.34	0.24	0.28	2240
pride	0.13	0.06	0.08	364
realization	0.14	0.08	0.10	2364
relief	0.15	0.09	0.12	401
remorse	0.35	0.33	0.34	701
sadness	0.33	0.20	0.25	1947
surprise	0.35	0.23	0.28	1739
accuracy			0.35	85910
macro avg	0.27	0.26	0.26	85910
weighted avg	0.35	0.35	0.35	85910

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_DecisionTree_2.5_sentiments_1.png
[[3903 1654 2633 1279]
 [2033 10582 4598 2219]
 [3684 5920 12832 5034]
 [2106 3435 6686 17312]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_DecisionTree_2.5_3.txt

	precision	recall	f1-score	support
ambiguous	0.33	0.41	0.37	9469
negative	0.49	0.54	0.52	19432
neutral	0.48	0.47	0.47	27470
positive	0.67	0.59	0.63	29539
accuracy			0.52	85910
macro avg	0.49	0.50	0.50	85910
weighted avg	0.53	0.52	0.52	85910