```
Model: top_DecisionTree_2.5
HyperParams:
  "criterion": [
     "entropy"
  ],
"max_depth": [
     2,
     5
  <sup>#</sup>min_samples_split": [
     2,
}
Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/top_DecisionTree_2.5_emotions_0.png
   1
       50
             0
                 1
                      0
                          0
                               0
                                   0
                                       0
                                                0
                                            1
                                                     0
            0
                60
                          13
                              360
                                     0 8978
                                                    0
                                                        0
        0
                      0
                                                0
   0
        8
            0
                 0]
   0
                  0
      1861
              0
                      0
                           0
                                0
                                    0
                                         0
                                    0 3554
                29
                      0
                          5
                              70
                                              0
                                                   0
   0
        0
            0
       11
             0
   0
                 0]
                               0
   0
       31
             1
                 1
                      0
                          0
                                   0
                                       0
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   0
        0
            0
                16
                      0
                          0
                              33
                                    0 4559
                                              0
                                                   0
             0
                 0]
   0
       16
       116
                      0
                           0
                               0
             0
                  0
                                    0
                                        0
   0
                                             1
                                                 1
                          5
                55
                              70
                                    0 7192
                                              0
                                                   0
   0
        0
            0
                      0
       34
   0
             0
                 0]
   0
       81
             0
                 1
                      0
                          0
                               0
                                   0
                                       0
                                            0
                                                5
                          9
                30
                             142
                                    0 9851
                                               0
   0
        0
            0
                      0
   0
       28
             0
                 0]
   0
       15
             0
                 0
                      0
                          0
                              0
                                   0
                                       0
5
   0
        0
            0
                11
                      0
                              59
                                    0 2999
                                              0
   0
       69
             0
                 0]
       49
             0
                 0
                      0
                          0
                              0
   0
                                   0
                                       0
                                            0
                          2
                              33
   0
                13
                      0
                                    0 4316
                                              0
        0
            0
       19
             0
                 0]
   0
0
       48
             0
                 0
                      0
                          0
                               0
                                   0
                                       0
                                            0
                          7
                              38
                                    0 5190
    1
                22
                                              0
                                                   0
        0
            0
                      0
   0
       18
             0
                 0]
       16
             0
                 0
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                               0
                                            2
0
                                   0
                                       0
   0
            0
                 8
                     0
                          4
                             57
                                   0
                                     1856
                                              0
        0
        1
   0
            0
                 0]
             0
                 0
   0
       35
                      0
                          0
                              0
                                       0
                                            0
                14
                          4
                              29
                                    0 4087
   0
        0
            0
                      0
                                              0
   0
       60
             0
                 0]
0
       78
                      2
                          0
                              0
                                       0
             0
                 0
                          6
                              53
        0
                                    0 6728
   0
            0
                19
                                              0
```

[0 0 0	56 22 0	0 0 0	0] 0 4	0	0	0 12	0 0 0 0 0 0 2545 0 0 0		
[0 0	10 13 0	0 0 0	0] 0 5	0	0	0 12	0 0 0 0 0 0 1235 0 0 0		
[0 0	35 23 0	0 0 0	0] 0 8	0	0 1	0 64	0 0 0 0 0 0 2618 0 0 0		
[0 0 0	4 25 0 4	0 0 0	0] 0 1	0	0 2	0 9	0 0 0 0 0 0 1562 0 0 0		
[8 0 0	21 0 116	8	0] 27 4566 0]	5 0	0 7		0 0 0 3 0 0 1545 0 0 0		
[0 0 0	1 0 18	0 0 0	0 1 0]	0	0	0 2	0 0 0 0 0 0 293 0 0 0		
[0 1 0	129 0 4	0 0 0	0 25 0]	0	0 7		0 0 2 0 0 0 3521 0 0 0		
[0 1 0	27 0 4	0 0 0	0 14 0]	0	0 98	0 2629	0 0 13 1 0 9 0 1675 0 0 0		
[0 0 0	2 0 6	0 0 0	0	0	0	0 6	0 0 0 0 0 0 697 0 0 0		
[0 1 0	515 0 174	0	0] 2 186 0]	3	0 44		0 0 4 6 0 5 0 48217 0 0 0		
[0 0 0			0 17 0]	0	0 6	0 62	0 0 0 0 0 0 3953 0 0 0		
[0 0 0	7 0 1	0 0 0	0 1 0]	0	0	0	0 0 0 0 0 0 615 0 0 0		
[0 0 0	39 0 31	0 0 0	1 12 0]	0	0	0 40	0 0 0 0 0 0 4153 0 0 0		
[2 0 0	5 0 0	0 0 0	0 39 0]	0	0	0	0 0 0 1 0 0 657 0 0 0		
[0 0 0	16 0 721	0 0 0	0 1 0]	0	0	0 5	0 0 1 0 0 0 0 0 0		
[0 0 0	29 0 336	0 0 0	0 6 0]	0	0 3	0 23	0 0 0 0 0 0 3071 0 0 0		
[0 0 0	21 0 5	0 0 0	0 8 0]]	0	0	0 14	0 0 0 0 0 0 3069 0 0 0		
Classsification Report:										

View formatted classification report at: ./precision/classification_reports/top_DecisionTree_2.5_0.txt precision recall f1-score support

admiration amusemen	0.09 t 0.5	0.00 6 0.3		9472 2 5531
	0.11	0.00	0.00	4657
anger				
annoyance		0.00	0.00	10147
approval	0.00			
caring	0.00			3160
confusion	0.00	0.00	0.00	4435
curiosity	0.00	0.00	0.00	5325
desire	0.00		0.00	1945
disappointmer			0.0	
disapproval	0.13			6947
disgust	0.00	0.00	0.00	2594
embarrassme				.00 1300
excitement	0.00			2718
fear	0.00	0.00	0.00	1603
gratitude		0.72	0.79	6373
grief	0.00	0.00		315
joy	0.03	0.00	0.00	3883
love	0.56	0.59	0.58	4462
nervousness	s 0.0	0.0	0.0	0 714
neutral	0.35	0.97	0.51	49727
optimism	0.00	0.00	0.00	4082
pride	0.00	0.00	0.00	628
realization	0.00	0.00	0.00	4278
relief	0.00	0.00	0.00	706
remorse	0.40	0.54	0.46	1345
sadness	0.00	0.00	0.00	3468
surprise	0.00	0.00	0.00	3117
accuracy		(0.38 15	54638
macro avg	0.11			
weighted avo				
- 9	,			

```
Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/top_DecisionTree_2.5_sentiments_0.png
       12 16560 578]
       33 33231 1384]
31 47503 2189]
   1
   4
   10 164 39080 13853]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/top_DecisionTree_2.5_1.txt
        precision recall f1-score support
 ambiguous
                 0.25
                         0.00
                                 0.00
                                         17155
  negative
               0.14
                       0.00
                               0.00
                                       34649
   neutral
              0.35
                      0.96
                              0.51
                                      49727
  positive
                                      53107
              0.77
                      0.26
                              0.39
  accuracy
                            0.40 154638
```

0.23 154638

154638

0.30

macro avq

weighted avg

0.38

0.43

0.30

0.40