```
Model: top_MultinomialNB_2.5
HyperParams:
  "alpha": [
    0,
    0.5,
     1,
     10
}
Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/top_MultinomialNB_2.5_emotions_0.png
                 11
[[1624
                                                 10
         18
              7
                      48
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```

Classification Report:

View formatted classification report at:

./precision/classification\_reports/top\_MultinomialNB\_2.5\_0.txt precision recall f1-score support

0.54 0.17 0.26 admiration 0.53 amusement 0.05 0.09 

anger	0.36	0.02	0.04	4657
annoyance	0.14	4 0.0	1 0.0	2 7474
approval	0.22	0.02	0.03	10147
caring	0.26	0.00	0.01	3160
confusion	0.25	0.00	0.01	4435
curiosity	0.30	0.01	0.01	5325
desire	0.18	0.00	0.00	1945
disappointment 0.16 0.00 0.01 4232				
disapproval	0.19	0.01		
disgust	0.49	0.02	0.03	2594
embarrassme				.00 1300
excitement	0.07			
fear	0.38	0.00	0.01	1603
gratitude	0.86	0.38	0.53	6373
grief	0.00	0.00	0.00	315
joy	0.34	0.03	0.06	3883
love	0.65	0.08	0.14	4462
nervousness 0.00 0.00 0.00 714				
neutral	0.33	0.97	0.49	49727
optimism	0.45	0.02	0.03	4082
pride	0.00	0.00	0.00	628
realization	0.22	0.00	0.00	4278
relief	0.00	0.00	0.00	706
remorse	0.48	0.01	0.02	1345
sadness	0.34	0.00	0.01	3468
surprise	0.31	0.01	0.01	3117
accuracy			0.35 1	54638
macro avg	0.29			
weighted avo	0.3	4 0.3	5 0.2	1 154638
0	•			

```
Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/top_MultinomialNB_2.5_sentiments_0.png
[[ 993 2366 8397 5399]
 378 12849 12896 8526]
  659 7391 24969 16708
  318 3394 12201 37194
Classsification Report:
View formatted classification report at:
./precision/classification_reports/top_MultinomialNB_2.5_1.txt
        precision recall f1-score support
 ambiguous
                0.42
                        0.06
                               0.10
                                       17155
  negative
              0.49
                      0.37
                              0.42
                                     34649
                             0.46
  neutral
             0.43
                     0.50
                                    49727
  positive
             0.55
                     0.70
                             0.62
                                    53107
```

accuracy 0.49 154638 macro avg 0.47 0.41 0.40 154638 weighted avg 0.48 0.49 0.47 154638