

Test size: 0.8

Model: base_MultinomialNB_2.5

HyperParams:

Classifications: Emotions

Confusion Matrix:

View Visual matrix at:

[./precision/confusion_matrix_figures/base_MultinomialNB_2.5_emotions_0.png](/precision/confusion_matrix_figures/base_MultinomialNB_2.5_emotions_0.png)

```
[[ 1979  20  1  11  81  1  0  10  0  1  8  0
   0  1  0  97  0  22  47  0  6113  8  0  0
   0  0  0  6]
 [ 76 453  5  10  25  1  1  3  0  1  3  0
   0  1  0  13  0  16  5  0  4309  0  0  3
   0  0  0  4]
 [ 27  5 134  88  14  5  2  4  1  6 24  5
   0  0  0  11  0  3  4  0  3872  4  0  1
   0  0  0  3]
 [ 44 24  46 138  43  2  2  7  1  7 38  9
   0  2  1  18  0  3  6  0  6260  1  0  3
   0  2  3  5]
 [ 168 18  4  33 276  4  3  3  1  2 34  3
   0  0  2  26  0  4  11  0  8406  7  0  5
   0  0  2  1]
 [ 20  0  0  5 15 15  2  6  0  0  4  0
   0  0  0 12  0  6  0  0  2707 29  0  0
   0  1  0  0]
 [ 17  5  2  8 24  0 34 19  2  1 10  0
   0  0  0  8  0  1  1  0  3800  1  0  3
   0  0  0  2]
 [ 30  7  3  9 21  1  9 89  3  0 13  0
   0  2  0  9  0  2  6  0  4489  0  0  4
   0  0  1  1]
 [ 14  3  0  5  4  0  1  2  3  1  1  1
   0  0  0  5  0  1  6  0  1691 10  0  2
   0  0  0  0]
 [ 19  6  8 23 34  0  0  1  0 24 14  3
   0  0  0  4  0  2  1  0  3608  1  0  6
   0  1  5  1]
 [ 27 12 11 35 57  2  3  3  0  9 115  3
   0  4  0  6  0  1  1  0  5839  2  0  2
   0  1  2  5]
 [ 10  1 25 44 24  0  1  1  0  5 18 52
   0  0  1  3  0  1  2  0  2132  2  0  2
   0  0  1  1]
 [ 11  0  1  7 14  1  3  0  0  2  7  0
   0  0  0  6  0  1  2  0  1101  0  0  1
   0  0  0  3]
 [ 130  8  6  4 14  0  2  9  0  1  4  2
   0 19  1 15  0 73  4  0  2111  3  0  4
   0  0  0  7]
 [ 12  3  1  9 12  1  1  1  0  2  7  2
   0  0  5  0  0  0  0  0  1342  2  0  2
   0  0  3  1]
```

```

[ 164  3  0  2  7  4  0  1  0  1  1  0
  0  1  0 2563  0  27  4  0 2853 16  0  1
  0  3  0  0]
[  1  0  0  2  1  0  0  0  0  0  1  0
  0  0  0  7  0  0  0  0 271  0  0  0
  0  0  3  0]
[ 122  62  2  3  29  1  2  2  1  0  4  0
  0  3  0 35  0 145 33  0 2984  7  0  2
  0  0  0  1]
[ 138  9  0  1  27  5  0  2  0  0  1  0
  0  0  0  8  0 14 437  0 3355  2  0  1
  0  0  1  1]
[  3  2  2  2  7  1  0  0  0  0  2  0
  0  0  0  2  0  0  0  0 611  0  0  0
  0  0  2  0]
[ 533 138  86 224 493 19 26 74  7 28 207 22
  0 26  2 160  0 69 72  0 41839 26  0 36
  2  4 23 32]
[ 58  2  0  3 30  2  2  3  1  0  5  1
  0  0  0 13  0  4  1  0 3416 95  0  1
  0  0  0  1]
[ 41  0  0  1 11  2  0  1  0  0  0  0
  0  0  0  5  0  0  0  0 503  2  0  0
  0  0  1  0]
[ 32  5  6 14 49  0  8  6  0  2 11  0
  0  1  0  6  0  0  2  0 3631  0  0 22
  0  0  1  2]
[ 15  1  2  0  7  1  0  0  0  0  2  0
  0  0  0 18  0  1  0  0 574  0  0  0
  0  0  0  0]
[  3  1  2  3  5  2  0  0  0  0  2  1
  0  0  0 25  0  0  1  0 1097  2  0  2
  0 20  7  0]
[ 15 13  2 16 22  1  1  2  0  6 11  2
  0  0  0 13  0  1  0  0 2942  2  0  5
  0  9 32  1]
[ 75  4  7 15  9  0  4  5  1  2  6  1
  0  5  1  6  0  8  5  0 2551  0  0  5
  0  0  0 49]]

```

Classssification Report:

View formatted classification report at:

[./precision/classification_reports/base_MultinomialNB_2.5_0.txt](#)
precision recall f1-score support

admiration	0.52	0.24	0.32	8406
amusement	0.56	0.09	0.16	4929
anger	0.38	0.03	0.06	4213
annoyance	0.19	0.02	0.04	6665
approval	0.20	0.03	0.05	9013
caring	0.21	0.01	0.01	2822
confusion	0.32	0.01	0.02	3938
curiosity	0.35	0.02	0.04	4699
desire	0.14	0.00	0.00	1750

disappointment	0.24	0.01	0.01	3761
disapproval	0.21	0.02	0.03	6140
disgust	0.49	0.02	0.04	2326
embarrassment	0.00	0.00	0.00	1160
excitement	0.29	0.01	0.02	2417
fear	0.38	0.00	0.01	1406
gratitude	0.83	0.45	0.59	5651
grief	0.00	0.00	0.00	286
joy	0.36	0.04	0.08	3438
love	0.67	0.11	0.19	4002
nervousness	0.00	0.00	0.00	634
neutral	0.34	0.95	0.50	44148
optimism	0.43	0.03	0.05	3638
pride	0.00	0.00	0.00	567
realization	0.19	0.01	0.01	3798
relief	0.00	0.00	0.00	621
remorse	0.49	0.02	0.03	1173
sadness	0.37	0.01	0.02	3096
surprise	0.39	0.02	0.03	2759
accuracy		0.35		137456
macro avg	0.31	0.08	0.08	137456
weighted avg	0.35	0.35	0.23	137456

Classifications: Emotions

Confusion Matrix:

View Visual matrix at:

[./precision/confusion_matrix_figures/base_MultinomialNB_2.5_sentiments_0.png](#)

```
[[ 1690  2224  6950  4330]
 [  530 13019 10741  6570]
 [ 1134  6913 22250 13851]
 [  523  3360 10209 33162]]
```

Classsification Report:

View formatted classification report at:

[./precision/classification_reports/base_MultinomialNB_2.5_1.txt](#)

	precision	recall	f1-score	support
ambiguous	0.44	0.11	0.18	15194
negative	0.51	0.42	0.46	30860
neutral	0.44	0.50	0.47	44148
positive	0.57	0.70	0.63	47254
accuracy			0.51	137456
macro avg	0.49	0.43	0.44	137456
weighted avg	0.50	0.51	0.49	137456