Model: top_MLP_2.5
HyperParams:

{
    "activation": [
       "logistic",
       "tanh",
       "relu",
       "identity"
    ],
    "hidden_layer_sizes": [
       [
          10,
          30
       ],
       [
          8,
          8,
          8
       ]
    ],
    "solver": [
       "adam",
       "sgd"
    ],
    "max_iter": [
       2
    ]
}

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/top_MLP_2.5_emotions_1.png
[[2544   62   8   10   9   8   5   15   2   0   18   2
      0   0   0 100   0   80 197   0 2090   55   0   2
      0   2   9   3]
 [117 1717   10   9   0   0   2   15   0   2   6   1
      0   1   0   18   0   49   25   0 1136   13   0   1
      0   1   7   0]
 [17   22 360 108   1   6   12   25   0   4   36   19
      0   0   3   12   0   9   10   0 1938   13   0   1
      0   9   19   1]
 [56 102 175 147   5   9   22   35   2   3   92   31
      0   0   2   26   0   14   32   0 3340   25   0   5
      0   14   31   1]
 [290   76   24   50   39   19   11   21   2   4   39   13
      0   0   6   47   0   49   72   0 4699   69   0   1
      0   5   25   1]
 [56   19   21   29   1   63   3   6   1   0   17   6
      0   0   0   19   0   25   28   0 1307   95   0   0
      0   30   22   0]
 [39   44   23   11   2   3 151   68   0   0   55   5
      0   0   3   12   0   11   13   0 1996   6   0   3

```
    0    5    5    1]
[  61   51   18   11    2    3   33  284    0    1   16    6
    0    1    2    8    0   12   24    0 2345    9    0    2
    0   10    8    3]
[  20   22    4   18    1   28    1    3   38    2    2    2
    0    0    0   10    0   17   35    0  705  163    0    0
    0    2    7    0]
[  50   30   55   32    4   10    9    7    5   16   37   24
    0    0    0   14    0    9   18    0 1979   21    0    2
    0   29   96    0]
[  53   62   62   69    5    1   27   18    1    1  162   18
    0    0    0   21    0   11   15    0 3270   26    0    2
    0   20   35    1]
[  12   17   81   47    0    2    7    5    0    2   30  186
    0    0    2    3    0    2    6    0  993    8    0    2
    0    3   29    0]
[   7   18   42   19    0    0    5    6    0    1   11    5
    0    0    1    5    0    0    8    0  569    8    0    0
    0   20   24    0]
[ 202   30    7    2    3    0    3    7    1    1   10    1
    0   16    1   45    0  116   44    0 1037   13    0    1
    0    0    9    4]
[   4   14   14   10    0    5    2   14    1    1    6    6
    0    0   62    0    0    0   11    0  678    8    0    1
    0    0   47    1]
[ 232   21    5    1    2    6    2    6    0    0    3    0
    0    0    0 2749    0   86   18    0  340   59    0    0
    0   50    7    2]
[   3    4    5    3    0    1    0    2    1    0    2    1
    0    0    1    1    0    1    3    0  123    0    0    0
    0   10   13    0]
[ 183  236    5    3    2    5    1    1    4    2    1    0
    0    0    1   76    0  472  125    0  950   25    0    0
    0    5   16    1]
[ 171   27    3    0    0    1    2    1    0    0    5    2
    0    0    1   16    0   19 1500    0  769   13    0    0
    0    2    5    0]
[   4    0   18    6    0    6    2    6    1    1    4    2
    0    0    1    1    0    2    0    0  336    7    0    1
    0    3   17    0]
[ 672  478  244  194   21   58  107  188    9   17  287   65
    0    2   14  154    0  167  287    0 24046  245    0   13
    0   72  123    7]
[ 126   33    6   29    6   25    6    3    9    0   18    2
    0    0    0   18    0   29   23    0 1212  685    0    1
    0    3    6    0]
[  57    2    2    2    1    1    0    1    0    1    0    0
    0    0    0   10    0   13    0    0  263    5    0    0
    0    0    6    0]
[  71   38   25   22    2    1   10   11    1    3   40    6
    0    0    4   10    0   10   18    0 2021   20    0   13
    0   14   22    2]
[  30    3    7    5    0    4    1    0    0    0    0    0
```

```
   0    0    0   32    0   30    3    0  272    6    0    1
   0    1    6    0]
[  1   10   40    4    3    7    2    4    1    0    4    1
   0    0    0    9    0    4    2    0  252    6    0    1
   0  307   43    0]
[ 21   30   36   25    3   10    1    6    4    9   11   29
   0    0    3   12    0   11   17    0 1224   17    0    1
   0  145  332    0]
[175   39   14    8    2    1   10   22    0    1   29    1
   0    2    0   10    0   18   13    0 1325   11    0    8
   0    3    6   41]]
```
Classsification Report:
View formatted classification report at:
./precision/classification_reports/top_MLP_2.5_2.txt

	precision	recall	f1-score	support
admiration	0.48	0.49	0.48	5221
amusement	0.54	0.55	0.54	3130
anger	0.27	0.14	0.18	2625
annoyance	0.17	0.04	0.06	4169
approval	0.34	0.01	0.01	5562
caring	0.22	0.04	0.06	1748
confusion	0.35	0.06	0.10	2456
curiosity	0.36	0.10	0.15	2910
desire	0.46	0.04	0.07	1080
disappointment	0.22	0.01	0.01	2447
disapproval	0.17	0.04	0.07	3880
disgust	0.43	0.13	0.20	1437
embarrassment	0.00	0.00	0.00	749
excitement	0.73	0.01	0.02	1553
fear	0.58	0.07	0.12	885
gratitude	0.80	0.77	0.78	3589
grief	0.00	0.00	0.00	174
joy	0.37	0.22	0.28	2114
love	0.59	0.59	0.59	2537
nervousness	0.00	0.00	0.00	418
neutral	0.39	0.88	0.54	27470
optimism	0.42	0.31	0.35	2240
pride	0.00	0.00	0.00	364
realization	0.21	0.01	0.01	2364
relief	0.00	0.00	0.00	401
remorse	0.40	0.44	0.42	701
sadness	0.34	0.17	0.23	1947
surprise	0.59	0.02	0.05	1739
accuracy			0.42	85910
macro avg	0.34	0.18	0.19	85910
weighted avg	0.39	0.42	0.33	85910

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/top_MLP_2.5_sentiments_1.png
[[2021 1436 4469 1543]
 [595 10103 6200 2534]
 [1279 4721 15905 5565]
 [539 2264 6909 19827]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/top_MLP_2.5_3.txt

	precision	recall	f1-score	support
ambiguous	0.46	0.21	0.29	9469
negative	0.55	0.52	0.53	19432
neutral	0.48	0.58	0.52	27470
positive	0.67	0.67	0.67	29539
accuracy			0.56	85910
macro avg	0.54	0.50	0.50	85910
weighted avg	0.56	0.56	0.55	85910