without adv

data not rebalanced

training 1 epoch...

1638.643750667572 seconds used......

1 training finished! average train loss: 0.5074184739614527

evaluating...

Confusion matrix, without normalization

[[ 262 408 6 313]

[ 66 5111 20 252]

[ 5 176 1222 1399]

[ 77 332 615 9735]]

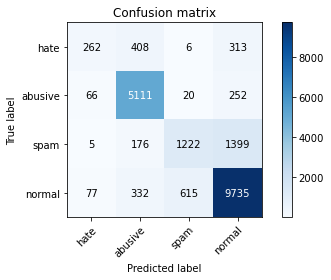
Normalized confusion matrix

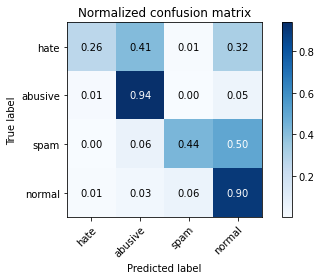
[[0.26491405 0.41253792 0.00606673 0.31648129]

[0.01211231 0.93797027 0.0036704 0.04624702]

[0.00178444 0.06281228 0.43611706 0.49928622]

[0.0071568 0.03085789 0.05716145 0.90482387]]





precision recall f1-score support

hate 0.64 0.26 0.37 989

abusive 0.85 0.94 0.89 5449

spam 0.66 0.44 0.52 2802

normal 0.83 0.90 0.87 10759

accuracy 0.82 19999

macro avg 0.74 0.64 0.66 19999

weighted avg 0.80 0.82 0.80 19999

average eval\_loss: 0.475722799859941, accuracy: 0.8165408270413521

training 2 epoch...