

Dropout probability: 0.25

Epochs: 4

Learning rate: 0.002

Batch size: 8

model.safetensors: 100%

268M/268M [00:01<00:00, 264MB/s]

100%|██████████| 47/47 [00:06<00:00, 6.94it/s]

Epoch 1 Macro-Averaged F1: 0.3665061728395062

100%|██████████| 47/47 [00:05<00:00, 8.33it/s]

Epoch 2 Macro-Averaged F1: 0.4569479271028496

100%|██████████| 47/47 [00:05<00:00, 8.26it/s]

Epoch 3 Macro-Averaged F1: 0.5165236750850443

100%|██████████| 47/47 [00:05<00:00, 8.26it/s]

Epoch 4 Macro-Averaged F1: 0.6441888566240898

Validation Macro-Averaged F1: 0.7964098744301283

-----  
Dropout probability: 0.25

Epochs: 4

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 14.87it/s]

Epoch 1 Macro-Averaged F1: 0.385327293720579

100%|██████████| 94/94 [00:06<00:00, 15.31it/s]

Epoch 2 Macro-Averaged F1: 0.5515580554954608

100%|██████████| 94/94 [00:06<00:00, 15.26it/s]

Epoch 3 Macro-Averaged F1: 0.6335531660692951

100%|██████████| 94/94 [00:06<00:00, 15.12it/s]

Epoch 4 Macro-Averaged F1: 0.6410501689157013

Validation Macro-Averaged F1: 0.7911455076089222

-----  
Dropout probability: 0.25

Epochs: 4

Learning rate: 0.002

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.93it/s]

Epoch 1 Macro-Averaged F1: 0.36515140288480535

100%|██████████| 24/24 [00:06<00:00, 3.88it/s]

Epoch 2 Macro-Averaged F1: 0.44574276937344237

100%|██████████| 24/24 [00:06<00:00, 3.89it/s]

Epoch 3 Macro-Averaged F1: 0.48677154114273974

100%|██████████| 24/24 [00:06<00:00, 3.81it/s]

Epoch 4 Macro-Averaged F1: 0.5605278884659904

Validation Macro-Averaged F1: 0.7811675452542327

-----  
Dropout probability: 0.25

Epochs: 4

Learning rate: 0.001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.56it/s]

Epoch 1 Macro-Averaged F1: 0.3899976886989874

100%|██████████| 47/47 [00:06<00:00, 7.46it/s]

Epoch 2 Macro-Averaged F1: 0.42518328360970425

100%|██████████| 47/47 [00:06<00:00, 7.34it/s]

Epoch 3 Macro-Averaged F1: 0.4872814409100485

100%|██████████| 47/47 [00:06<00:00, 7.20it/s]

Epoch 4 Macro-Averaged F1: 0.5631120677189024

Validation Macro-Averaged F1: 0.7655562539283469

-----  
Dropout probability: 0.25

Epochs: 4

Learning rate: 0.001

Batch size: 4

100%|██████████| 94/94 [00:07<00:00, 13.33it/s]

Epoch 1 Macro-Averaged F1: 0.37456423346450646

100%|██████████| 94/94 [00:06<00:00, 13.50it/s]

Epoch 2 Macro-Averaged F1: 0.4684474142531609

100%|██████████| 94/94 [00:06<00:00, 13.77it/s]

Epoch 3 Macro-Averaged F1: 0.561389632143401

100%|██████████| 94/94 [00:06<00:00, 13.93it/s]

Epoch 4 Macro-Averaged F1: 0.6157519422730885

Validation Macro-Averaged F1: 0.7905954735223029  
-----

Dropout probability: 0.25

Epochs: 4

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.71it/s]

Epoch 1 Macro-Averaged F1: 0.3615950445218738

100%|██████████| 24/24 [00:06<00:00, 3.72it/s]

Epoch 2 Macro-Averaged F1: 0.4147038139971002

100%|██████████| 24/24 [00:06<00:00, 3.72it/s]

Epoch 3 Macro-Averaged F1: 0.4316854401335002

100%|██████████| 24/24 [00:06<00:00, 3.71it/s]

Epoch 4 Macro-Averaged F1: 0.4889553684932646

Validation Macro-Averaged F1: 0.7360210794199559  
-----

Dropout probability: 0.25

Epochs: 4

Learning rate: 0.005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.47it/s]

Epoch 1 Macro-Averaged F1: 0.3833067517278044

100%|██████████| 47/47 [00:06<00:00, 7.42it/s]

Epoch 2 Macro-Averaged F1: 0.46073542805100187

100%|██████████| 47/47 [00:06<00:00, 7.40it/s]

Epoch 3 Macro-Averaged F1: 0.5405098316260449

100%|██████████| 47/47 [00:06<00:00, 7.37it/s]

Epoch 4 Macro-Averaged F1: 0.6317229517266283

Validation Macro-Averaged F1: 0.7382154882154882  
-----

Dropout probability: 0.25

Epochs: 4

Learning rate: 0.005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.79it/s]

Epoch 1 Macro-Averaged F1: 0.3734384700633025

100%|██████████| 94/94 [00:06<00:00, 13.74it/s]

Epoch 2 Macro-Averaged F1: 0.4843363343691282

100%|██████████| 94/94 [00:06<00:00, 13.83it/s]

Epoch 3 Macro-Averaged F1: 0.6020527607170206

100%|██████████| 94/94 [00:06<00:00, 13.85it/s]

Epoch 4 Macro-Averaged F1: 0.6157753702831423

Validation Macro-Averaged F1: 0.7526550941185087  
-----

Dropout probability: 0.25  
Epochs: 4  
Learning rate: 0.005  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 1 Macro-Averaged F1: 0.392673888244091  
100%|██████████| 24/24 [00:06<00:00, 3.68it/s]  
Epoch 2 Macro-Averaged F1: 0.519159981534227  
100%|██████████| 24/24 [00:06<00:00, 3.68it/s]  
Epoch 3 Macro-Averaged F1: 0.6146190000435112  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 4 Macro-Averaged F1: 0.6761579539490543  
Validation Macro-Averaged F1: 0.7585434173669467  
-----

Dropout probability: 0.25  
Epochs: 4  
Learning rate: 0.0001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 1 Macro-Averaged F1: 0.2231781834153652  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.2191653562768736  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 3 Macro-Averaged F1: 0.27708400552893325  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 4 Macro-Averaged F1: 0.33652034142556264  
Validation Macro-Averaged F1: 0.38888888888888884  
-----

Dropout probability: 0.25  
Epochs: 4  
Learning rate: 0.0001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.89it/s]  
Epoch 1 Macro-Averaged F1: 0.24209737827715358  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 2 Macro-Averaged F1: 0.3027595702014307  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 3 Macro-Averaged F1: 0.38440450399850223  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.41418240850059035  
Validation Macro-Averaged F1: 0.4014652014652014  
-----

Dropout probability: 0.25  
Epochs: 4  
Learning rate: 0.0001  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.21294615849969753  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.21294615849969753  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.26734065478822355  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.31020811225091377  
Validation Macro-Averaged F1: 0.31504231504231506  
-----

Dropout probability: 0.25

Epochs: 4  
Learning rate: 0.0005  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.3318486299603382  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 2 Macro-Averaged F1: 0.4117193933115521  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 3 Macro-Averaged F1: 0.44264811096494266  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 4 Macro-Averaged F1: 0.45197212028895195  
Validation Macro-Averaged F1: 0.4396047590239968  
-----

Dropout probability: 0.25  
Epochs: 4  
Learning rate: 0.0005  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 1 Macro-Averaged F1: 0.3688932835274299  
100%|██████████| 94/94 [00:06<00:00, 13.72it/s]  
Epoch 2 Macro-Averaged F1: 0.44708029197080296  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 3 Macro-Averaged F1: 0.4550256405870967  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 4 Macro-Averaged F1: 0.5073896863370547  
Validation Macro-Averaged F1: 0.7522214070269829  
-----

Dropout probability: 0.25  
Epochs: 4  
Learning rate: 0.0005  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.32980004804917346  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.3882650196518809  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.4070670685388027  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.4270427986690531  
Validation Macro-Averaged F1: 0.4166666666666667  
-----

Dropout probability: 0.25  
Epochs: 8  
Learning rate: 0.002  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 1 Macro-Averaged F1: 0.3805807200929152  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.46971221915193223  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 3 Macro-Averaged F1: 0.5384777281678917  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 4 Macro-Averaged F1: 0.6119417896681209  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 5 Macro-Averaged F1: 0.6499303481800993  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 6 Macro-Averaged F1: 0.6669819202093284

100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 7 Macro-Averaged F1: 0.7088088012616315  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 8 Macro-Averaged F1: 0.726306073082224  
Validation Macro-Averaged F1: 0.8319415390622821  
-----

Dropout probability: 0.25

Epochs: 8

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 1 Macro-Averaged F1: 0.38025960995798586  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 2 Macro-Averaged F1: 0.4517899380378158  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.5403866866912423  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 4 Macro-Averaged F1: 0.6700861994730696  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 5 Macro-Averaged F1: 0.7059228137228545  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 6 Macro-Averaged F1: 0.6946560170420076  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 7 Macro-Averaged F1: 0.7152633565580876  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 8 Macro-Averaged F1: 0.7113942733394106  
Validation Macro-Averaged F1: 0.7532943469785575  
-----

Dropout probability: 0.25

Epochs: 8

Learning rate: 0.002

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.3786609202055191  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.5014574898785424  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.5639448245899857  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.6598149109578317  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 5 Macro-Averaged F1: 0.634883476164615  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.663593316907915  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 7 Macro-Averaged F1: 0.6652890960845159  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.7272666605999939  
Validation Macro-Averaged F1: 0.7851817334575956  
-----

Dropout probability: 0.25

Epochs: 8

Learning rate: 0.001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.37158534706401253  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]

Epoch 2 Macro-Averaged F1: 0.4412238325281803  
100%|██████████| 47/47 [00:06<00:00, 7.36it/s]  
Epoch 3 Macro-Averaged F1: 0.48333021608748233  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.5533269905152555  
100%|██████████| 47/47 [00:06<00:00, 7.36it/s]  
Epoch 5 Macro-Averaged F1: 0.6025309154669619  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 6 Macro-Averaged F1: 0.6500418630466891  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 7 Macro-Averaged F1: 0.6688159588159589  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 8 Macro-Averaged F1: 0.6873689727463314  
Validation Macro-Averaged F1: 0.7612528937606338

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 1 Macro-Averaged F1: 0.3811730647594025  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 2 Macro-Averaged F1: 0.45017913642285506  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.57558863191105  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 4 Macro-Averaged F1: 0.5781927624212916  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 5 Macro-Averaged F1: 0.6198168933863856  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 6 Macro-Averaged F1: 0.6777109881123212  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 7 Macro-Averaged F1: 0.7095478482263439  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 8 Macro-Averaged F1: 0.7145541138562646  
Validation Macro-Averaged F1: 0.7574167574167575

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.35789173909482325  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.4230461784418618  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.4384689257785704  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 4 Macro-Averaged F1: 0.4547767753874625  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 5 Macro-Averaged F1: 0.4675945576306357  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 6 Macro-Averaged F1: 0.5425965232606794  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 7 Macro-Averaged F1: 0.5804131386608921  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 8 Macro-Averaged F1: 0.6640704154002025

Validation Macro-Averaged F1: 0.7652589240824536

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 1 Macro-Averaged F1: 0.37198067632850246  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.4822902677052556  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 3 Macro-Averaged F1: 0.6026517331850824  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 4 Macro-Averaged F1: 0.6703196900941181  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 5 Macro-Averaged F1: 0.6888170227030642  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 6 Macro-Averaged F1: 0.6893462029151681  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 7 Macro-Averaged F1: 0.7569528171758969  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 8 Macro-Averaged F1: 0.7084204135110088  
Validation Macro-Averaged F1: 0.7731942468784574

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 1 Macro-Averaged F1: 0.40045417856325377  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 2 Macro-Averaged F1: 0.5403428555597006  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 3 Macro-Averaged F1: 0.5957566219499651  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.6212875853163623  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 5 Macro-Averaged F1: 0.7042618807555288  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 6 Macro-Averaged F1: 0.6949387135802273  
100%|██████████| 94/94 [00:06<00:00, 13.72it/s]  
Epoch 7 Macro-Averaged F1: 0.7129427445984587  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 8 Macro-Averaged F1: 0.7370291604823405  
Validation Macro-Averaged F1: 0.7564060463126051

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 1 Macro-Averaged F1: 0.41136891871524556  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.4864368466287223  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.5768546515663144  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]

Epoch 4 Macro-Averaged F1: 0.6284934420299  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 5 Macro-Averaged F1: 0.6531321334870741  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 6 Macro-Averaged F1: 0.7091995308022939  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 7 Macro-Averaged F1: 0.7404805456361098  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.7002080686603279  
Validation Macro-Averaged F1: 0.8091746202082283  
-----

Dropout probability: 0.25

Epochs: 8

Learning rate: 0.0001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.3741954801488492  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 2 Macro-Averaged F1: 0.24716049382716052  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.35233237229245223  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 4 Macro-Averaged F1: 0.41254704506154  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 5 Macro-Averaged F1: 0.4229431226584926  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.42071273023547  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 7 Macro-Averaged F1: 0.4269112182781248  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 8 Macro-Averaged F1: 0.42080651128375884  
Validation Macro-Averaged F1: 0.4034309375924283  
-----

Dropout probability: 0.25

Epochs: 8

Learning rate: 0.0001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 1 Macro-Averaged F1: 0.3337759115660854  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 2 Macro-Averaged F1: 0.3407050216162288  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 3 Macro-Averaged F1: 0.3788674441337607  
100%|██████████| 94/94 [00:06<00:00, 13.73it/s]  
Epoch 4 Macro-Averaged F1: 0.42182571215295334  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 5 Macro-Averaged F1: 0.41763343847257545  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 6 Macro-Averaged F1: 0.4367963479102293  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 7 Macro-Averaged F1: 0.445940157865753  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 8 Macro-Averaged F1: 0.42560975609756097  
Validation Macro-Averaged F1: 0.4428368794326241  
-----

Dropout probability: 0.25

Epochs: 8



Learning rate: 0.0001

Batch size: 16

```
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 1 Macro-Averaged F1: 0.2571190165903174
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 2 Macro-Averaged F1: 0.22228504849045608
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 3 Macro-Averaged F1: 0.24764974482943866
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 4 Macro-Averaged F1: 0.3227655936799905
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 5 Macro-Averaged F1: 0.3364697513499531
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 6 Macro-Averaged F1: 0.3984332925336597
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 7 Macro-Averaged F1: 0.4179894670761086
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 8 Macro-Averaged F1: 0.4208247892458419
Validation Macro-Averaged F1: 0.41151515151515144
```

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.0005

Batch size: 8

```
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]
Epoch 1 Macro-Averaged F1: 0.36809101962827856
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]
Epoch 2 Macro-Averaged F1: 0.4392872385830133
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]
Epoch 3 Macro-Averaged F1: 0.4293935991016283
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]
Epoch 4 Macro-Averaged F1: 0.4925753105304227
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]
Epoch 5 Macro-Averaged F1: 0.553960366490584
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]
Epoch 6 Macro-Averaged F1: 0.5519182951589817
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]
Epoch 7 Macro-Averaged F1: 0.6275692549826538
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]
Epoch 8 Macro-Averaged F1: 0.6637999037999038
Validation Macro-Averaged F1: 0.7612528937606338
```

-----  
Dropout probability: 0.25

Epochs: 8

Learning rate: 0.0005

Batch size: 4

```
100%|██████████| 94/94 [00:06<00:00, 13.93it/s]
Epoch 1 Macro-Averaged F1: 0.3436666532641765
100%|██████████| 94/94 [00:06<00:00, 13.90it/s]
Epoch 2 Macro-Averaged F1: 0.4354623939767426
100%|██████████| 94/94 [00:06<00:00, 13.91it/s]
Epoch 3 Macro-Averaged F1: 0.4449791132959449
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]
Epoch 4 Macro-Averaged F1: 0.4725516847362097
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]
Epoch 5 Macro-Averaged F1: 0.5412214331597942
100%|██████████| 94/94 [00:06<00:00, 13.94it/s]
```

Epoch 6 Macro-Averaged F1: 0.6128664725844647  
100%|██████████| 94/94 [00:06<00:00, 13.91it/s]  
Epoch 7 Macro-Averaged F1: 0.6363457924073233  
100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 8 Macro-Averaged F1: 0.6283827470733275  
Validation Macro-Averaged F1: 0.7845528455284553  
-----

Dropout probability: 0.25

Epochs: 8

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.69it/s]  
Epoch 1 Macro-Averaged F1: 0.35625960061443934  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 2 Macro-Averaged F1: 0.38044642778087673  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 3 Macro-Averaged F1: 0.41771019677996435  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 4 Macro-Averaged F1: 0.42089823287001465  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 5 Macro-Averaged F1: 0.43846653671215075  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.4446912059960111  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.4694432746799662  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.5644728153202729  
Validation Macro-Averaged F1: 0.7147832360056469  
-----

Dropout probability: 0.25

Epochs: 16

Learning rate: 0.002

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.367118017018128  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 2 Macro-Averaged F1: 0.5051186683460521  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 3 Macro-Averaged F1: 0.5268084905549065  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 4 Macro-Averaged F1: 0.6086159070778724  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 5 Macro-Averaged F1: 0.6924944197393293  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 6 Macro-Averaged F1: 0.7059328784363017  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.6825093593034709  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 8 Macro-Averaged F1: 0.7040895734444121  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 9 Macro-Averaged F1: 0.721170868884415  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 10 Macro-Averaged F1: 0.7158501689379969  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 11 Macro-Averaged F1: 0.734302859766628  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 12 Macro-Averaged F1: 0.7250185388203967

100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 13 Macro-Averaged F1: 0.7537673011357221  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 14 Macro-Averaged F1: 0.7093939024885317  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 15 Macro-Averaged F1: 0.723164039847865  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 16 Macro-Averaged F1: 0.7734958936164494  
Validation Macro-Averaged F1: 0.8170961659333752

-----  
Dropout probability: 0.25

Epochs: 16

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 1 Macro-Averaged F1: 0.36976133379011084  
100%|██████████| 94/94 [00:06<00:00, 13.88it/s]  
Epoch 2 Macro-Averaged F1: 0.4246116426883275  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 3 Macro-Averaged F1: 0.518098390251241  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 4 Macro-Averaged F1: 0.6307460265835502  
100%|██████████| 94/94 [00:06<00:00, 13.91it/s]  
Epoch 5 Macro-Averaged F1: 0.6495093197085817  
100%|██████████| 94/94 [00:06<00:00, 13.94it/s]  
Epoch 6 Macro-Averaged F1: 0.6891658518920876  
100%|██████████| 94/94 [00:06<00:00, 13.96it/s]  
Epoch 7 Macro-Averaged F1: 0.7275005775005775  
100%|██████████| 94/94 [00:06<00:00, 13.92it/s]  
Epoch 8 Macro-Averaged F1: 0.7625699913352758  
100%|██████████| 94/94 [00:06<00:00, 13.88it/s]  
Epoch 9 Macro-Averaged F1: 0.7315514637652153  
100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 10 Macro-Averaged F1: 0.7274479352775716  
100%|██████████| 94/94 [00:06<00:00, 13.91it/s]  
Epoch 11 Macro-Averaged F1: 0.7711943966745273  
100%|██████████| 94/94 [00:06<00:00, 13.91it/s]  
Epoch 12 Macro-Averaged F1: 0.7744511042261194  
100%|██████████| 94/94 [00:06<00:00, 13.89it/s]  
Epoch 13 Macro-Averaged F1: 0.7678818486031882  
100%|██████████| 94/94 [00:06<00:00, 13.94it/s]  
Epoch 14 Macro-Averaged F1: 0.7443011250286351  
100%|██████████| 94/94 [00:06<00:00, 13.92it/s]  
Epoch 15 Macro-Averaged F1: 0.7692554847394879  
100%|██████████| 94/94 [00:06<00:00, 13.92it/s]  
Epoch 16 Macro-Averaged F1: 0.7710217926093228  
Validation Macro-Averaged F1: 0.7746411483253589

-----  
Dropout probability: 0.25

Epochs: 16

Learning rate: 0.002

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.68it/s]  
Epoch 1 Macro-Averaged F1: 0.37739413659814547  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 2 Macro-Averaged F1: 0.46060560231067144  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]

Epoch 3 Macro-Averaged F1: 0.5117309243923601  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.5811352045883025  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 5 Macro-Averaged F1: 0.6431829304985751  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 6 Macro-Averaged F1: 0.6579777990991711  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.6834725089221001  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.7116363720137304  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 9 Macro-Averaged F1: 0.7340044912841255  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 10 Macro-Averaged F1: 0.7467219325221731  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 11 Macro-Averaged F1: 0.6846673193796845  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 12 Macro-Averaged F1: 0.7553674269627043  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 13 Macro-Averaged F1: 0.76900063747379  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 14 Macro-Averaged F1: 0.7454974759811105  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 15 Macro-Averaged F1: 0.7405355218424473  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 16 Macro-Averaged F1: 0.7649052873511076  
Validation Macro-Averaged F1: 0.81216457960644  
-----

Dropout probability: 0.25

Epochs: 16

Learning rate: 0.001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.3502484864913708  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 2 Macro-Averaged F1: 0.44006492656335544  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.5562877610477799  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 4 Macro-Averaged F1: 0.6027911739839723  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 5 Macro-Averaged F1: 0.6355651783161077  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.687610355898275  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 7 Macro-Averaged F1: 0.6844505360519199  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 8 Macro-Averaged F1: 0.7067988593054557  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 9 Macro-Averaged F1: 0.7142729855198048  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 10 Macro-Averaged F1: 0.712243164946587  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 11 Macro-Averaged F1: 0.7485685094753448  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 12 Macro-Averaged F1: 0.7330909880697302

100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 13 Macro-Averaged F1: 0.7631660318800751  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 14 Macro-Averaged F1: 0.7433587594926164  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 15 Macro-Averaged F1: 0.7592644525270815  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 16 Macro-Averaged F1: 0.7313782842509395  
Validation Macro-Averaged F1: 0.7779765454184059

-----  
Dropout probability: 0.25

Epochs: 16

Learning rate: 0.001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 1 Macro-Averaged F1: 0.37077798418094937  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 2 Macro-Averaged F1: 0.46311186022448  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 3 Macro-Averaged F1: 0.5219253572002024  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 4 Macro-Averaged F1: 0.582087377458813  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 5 Macro-Averaged F1: 0.6448045211247416  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 6 Macro-Averaged F1: 0.7017712476203042  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 7 Macro-Averaged F1: 0.6639987244500749  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 8 Macro-Averaged F1: 0.6911273281242322  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 9 Macro-Averaged F1: 0.6889972679446363  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 10 Macro-Averaged F1: 0.7185086649071559  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 11 Macro-Averaged F1: 0.7308141245551983  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 12 Macro-Averaged F1: 0.7047386583276657  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 13 Macro-Averaged F1: 0.7413250050098062  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 14 Macro-Averaged F1: 0.7339470471049419  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 15 Macro-Averaged F1: 0.7352350999487585  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 16 Macro-Averaged F1: 0.7502863268740162  
Validation Macro-Averaged F1: 0.7778300039169604

-----  
Dropout probability: 0.25

Epochs: 16

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.68it/s]  
Epoch 1 Macro-Averaged F1: 0.3766081871345029  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 2 Macro-Averaged F1: 0.4005790579842852  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]

Epoch 3 Macro-Averaged F1: 0.41665129434913606  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 4 Macro-Averaged F1: 0.4412642736484638  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 5 Macro-Averaged F1: 0.4985720000571486  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 6 Macro-Averaged F1: 0.541653095864149  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.5640799853237938  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 8 Macro-Averaged F1: 0.6723589643931898  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 9 Macro-Averaged F1: 0.6598011118941352  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 10 Macro-Averaged F1: 0.7056177410812241  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 11 Macro-Averaged F1: 0.7078467557835073  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 12 Macro-Averaged F1: 0.7002290389840148  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 13 Macro-Averaged F1: 0.6968096874424424  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 14 Macro-Averaged F1: 0.7494616299975071  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 15 Macro-Averaged F1: 0.756128313923746  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 16 Macro-Averaged F1: 0.7339829981339415  
Validation Macro-Averaged F1: 0.7646589736373018

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 1 Macro-Averaged F1: 0.3826371826371826  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 2 Macro-Averaged F1: 0.5131825532780034  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.6453368882064224  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 4 Macro-Averaged F1: 0.6767863232872441  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 5 Macro-Averaged F1: 0.6730865849126718  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.6864566584411053  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7462547976341307  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 8 Macro-Averaged F1: 0.7086280183643267  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 9 Macro-Averaged F1: 0.6956178517407738  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 10 Macro-Averaged F1: 0.7299862333443103  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 11 Macro-Averaged F1: 0.7430312436829102  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 12 Macro-Averaged F1: 0.7477971933840557

100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 13 Macro-Averaged F1: 0.7305464709993013  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 14 Macro-Averaged F1: 0.7409135319980459  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 15 Macro-Averaged F1: 0.7531276628610465  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 16 Macro-Averaged F1: 0.7644159533863556  
Validation Macro-Averaged F1: 0.7655562539283469

-----  
Dropout probability: 0.25

Epochs: 16

Learning rate: 0.005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 1 Macro-Averaged F1: 0.38096574957888824  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 2 Macro-Averaged F1: 0.4535851547947467  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 3 Macro-Averaged F1: 0.5047478058580946  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 4 Macro-Averaged F1: 0.6056401238930934  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 5 Macro-Averaged F1: 0.6856054470228526  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 6 Macro-Averaged F1: 0.6822484017530458  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 7 Macro-Averaged F1: 0.6781474025074831  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 8 Macro-Averaged F1: 0.702573270909434  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 9 Macro-Averaged F1: 0.729926075240809  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 10 Macro-Averaged F1: 0.7283674510089604  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 11 Macro-Averaged F1: 0.7253115589110374  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 12 Macro-Averaged F1: 0.7276314118680826  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 13 Macro-Averaged F1: 0.7277200656096227  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 14 Macro-Averaged F1: 0.7424096188318275  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 15 Macro-Averaged F1: 0.7534404740885705  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 16 Macro-Averaged F1: 0.7685742310254456  
Validation Macro-Averaged F1: 0.7778300039169604

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.3876156816351573  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 2 Macro-Averaged F1: 0.5092525369859476  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]

Epoch 3 Macro-Averaged F1: 0.5557919621749409  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 4 Macro-Averaged F1: 0.6342632061493272  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 5 Macro-Averaged F1: 0.6733344545718128  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 6 Macro-Averaged F1: 0.6967116263777325  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.7246317161427518  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 8 Macro-Averaged F1: 0.715685075974228  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 9 Macro-Averaged F1: 0.711605427568848  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 10 Macro-Averaged F1: 0.7554685892851895  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 11 Macro-Averaged F1: 0.7481238613841089  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 12 Macro-Averaged F1: 0.7021820401048617  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 13 Macro-Averaged F1: 0.7538241693402662  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 14 Macro-Averaged F1: 0.7797250159828573  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 15 Macro-Averaged F1: 0.6976151027556264  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 16 Macro-Averaged F1: 0.7733824539635226  
Validation Macro-Averaged F1: 0.7859668741324937

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.0001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.2699862840707911  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 2 Macro-Averaged F1: 0.23705578403458824  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 3 Macro-Averaged F1: 0.2870995670995671  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.370225013082156  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 5 Macro-Averaged F1: 0.3965591397849462  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.4300816870185635  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 7 Macro-Averaged F1: 0.4237178073464187  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 8 Macro-Averaged F1: 0.4182752664361536  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 9 Macro-Averaged F1: 0.42919178517258677  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 10 Macro-Averaged F1: 0.4484276898070001  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 11 Macro-Averaged F1: 0.44260540771919815  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 12 Macro-Averaged F1: 0.4441952393987291



100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 13 Macro-Averaged F1: 0.44964467986050716  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 14 Macro-Averaged F1: 0.456577666527604  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 15 Macro-Averaged F1: 0.46610599659134794  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 16 Macro-Averaged F1: 0.46029889538661467  
Validation Macro-Averaged F1: 0.42716049382716054

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.0001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 1 Macro-Averaged F1: 0.32925649530127143  
100%|██████████| 94/94 [00:06<00:00, 13.88it/s]  
Epoch 2 Macro-Averaged F1: 0.34707482993197275  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 3 Macro-Averaged F1: 0.3946608946608947  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 4 Macro-Averaged F1: 0.4179960302874366  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 5 Macro-Averaged F1: 0.4277619968115389  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 6 Macro-Averaged F1: 0.43276359600443953  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 7 Macro-Averaged F1: 0.4453475708555794  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 8 Macro-Averaged F1: 0.4344010843975173  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 9 Macro-Averaged F1: 0.4399802983394315  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 10 Macro-Averaged F1: 0.4559699602163088  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 11 Macro-Averaged F1: 0.46448620181918043  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 12 Macro-Averaged F1: 0.4653043442121359  
100%|██████████| 94/94 [00:06<00:00, 13.70it/s]  
Epoch 13 Macro-Averaged F1: 0.4928774928774929  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 14 Macro-Averaged F1: 0.5339833152465957  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 15 Macro-Averaged F1: 0.5167528048972984  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 16 Macro-Averaged F1: 0.6286614865387667  
Validation Macro-Averaged F1: 0.7268939393939394

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.24037527195177535  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.2231781834153652  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]

Epoch 3 Macro-Averaged F1: 0.29373348389425036  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.34540877282812765  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 5 Macro-Averaged F1: 0.37953609250446063  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 6 Macro-Averaged F1: 0.4112783751493429  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.40971490237414043  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 8 Macro-Averaged F1: 0.4326419384833504  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 9 Macro-Averaged F1: 0.42030303030303034  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 10 Macro-Averaged F1: 0.4352798579109063  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 11 Macro-Averaged F1: 0.4354293441514536  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 12 Macro-Averaged F1: 0.4441498176997017  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 13 Macro-Averaged F1: 0.45564397288535224  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 14 Macro-Averaged F1: 0.45492914574049187  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 15 Macro-Averaged F1: 0.4449676896109673  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 16 Macro-Averaged F1: 0.43865978166041836  
Validation Macro-Averaged F1: 0.43456790123456795

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.0005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.3246097582731246  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 2 Macro-Averaged F1: 0.4253579449747333  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 3 Macro-Averaged F1: 0.4343786295005807  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.46739404786489525  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 5 Macro-Averaged F1: 0.4944575246082783  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 6 Macro-Averaged F1: 0.5417102095778807  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 7 Macro-Averaged F1: 0.6242453470510484  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 8 Macro-Averaged F1: 0.6313526914049107  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 9 Macro-Averaged F1: 0.6762815042384934  
100%|██████████| 47/47 [00:06<00:00, 7.36it/s]  
Epoch 10 Macro-Averaged F1: 0.6814516129032256  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 11 Macro-Averaged F1: 0.7057705899353036  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 12 Macro-Averaged F1: 0.6916964140627866

100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 13 Macro-Averaged F1: 0.7004751113138816  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 14 Macro-Averaged F1: 0.7081431703179213  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 15 Macro-Averaged F1: 0.7132724932724933  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 16 Macro-Averaged F1: 0.7560697560697561  
Validation Macro-Averaged F1: 0.7612528937606338

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Dropout probability: 0.25

Epochs: 16

Learning rate: 0.0005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 1 Macro-Averaged F1: 0.36755308183879615  
100%|██████████| 94/94 [00:06<00:00, 13.73it/s]  
Epoch 2 Macro-Averaged F1: 0.44410692909246174  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 3 Macro-Averaged F1: 0.4965705649848872  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 4 Macro-Averaged F1: 0.5499477596945951  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 5 Macro-Averaged F1: 0.6085484956900089  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 6 Macro-Averaged F1: 0.6559175390031156  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 7 Macro-Averaged F1: 0.645830943847073  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 8 Macro-Averaged F1: 0.6891384432560903  
100%|██████████| 94/94 [00:06<00:00, 13.69it/s]  
Epoch 9 Macro-Averaged F1: 0.7108102209819268  
100%|██████████| 94/94 [00:06<00:00, 13.72it/s]  
Epoch 10 Macro-Averaged F1: 0.6900915390079477  
100%|██████████| 94/94 [00:06<00:00, 13.68it/s]  
Epoch 11 Macro-Averaged F1: 0.6912525509290752  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 12 Macro-Averaged F1: 0.7139870961077158  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 13 Macro-Averaged F1: 0.7341566987584688  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 14 Macro-Averaged F1: 0.7317537556185066  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 15 Macro-Averaged F1: 0.7492644159310825  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 16 Macro-Averaged F1: 0.757229548968206  
Validation Macro-Averaged F1: 0.8172067487222846

-----  
Dropout probability: 0.25

Epochs: 16

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.339838569534001  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.3849060412047384  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]

Epoch 3 Macro-Averaged F1: 0.40568690348897074  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.4207053049050777  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 5 Macro-Averaged F1: 0.4219001610305959  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 6 Macro-Averaged F1: 0.45829520897215964  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 7 Macro-Averaged F1: 0.5000725844444688  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 8 Macro-Averaged F1: 0.5717676767676768  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 9 Macro-Averaged F1: 0.5838568791653832  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 10 Macro-Averaged F1: 0.5661272043156987  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 11 Macro-Averaged F1: 0.6028460298457421  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 12 Macro-Averaged F1: 0.6512729201099768  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 13 Macro-Averaged F1: 0.6706607464231862  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 14 Macro-Averaged F1: 0.6463633678902642  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 15 Macro-Averaged F1: 0.7036396308094423  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 16 Macro-Averaged F1: 0.6814940468483632  
Validation Macro-Averaged F1: 0.781413303373376

-----  
Dropout probability: 0.2

Epochs: 4

Learning rate: 0.002

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 1 Macro-Averaged F1: 0.36905875860745213  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.5008796556241811  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 3 Macro-Averaged F1: 0.5657783046166249  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 4 Macro-Averaged F1: 0.6626697119654866  
Validation Macro-Averaged F1: 0.7561258737729326

-----  
Dropout probability: 0.2

Epochs: 4

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 1 Macro-Averaged F1: 0.3695652173913044  
100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 2 Macro-Averaged F1: 0.492713817801689  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 3 Macro-Averaged F1: 0.5858447338239249  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 4 Macro-Averaged F1: 0.6776328416873797  
Validation Macro-Averaged F1: 0.762990884454299

Dropout probability: 0.2  
Epochs: 4  
Learning rate: 0.002  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 1 Macro-Averaged F1: 0.37972942575275553  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.4443578081004982  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.5177500553486  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.559103606224025  
Validation Macro-Averaged F1: 0.784733893557423  
-----

Dropout probability: 0.2  
Epochs: 4  
Learning rate: 0.001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 1 Macro-Averaged F1: 0.36443757057985965  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 2 Macro-Averaged F1: 0.4248954210081001  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 3 Macro-Averaged F1: 0.4721695871867974  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 4 Macro-Averaged F1: 0.5528250403307118  
Validation Macro-Averaged F1: 0.7535795713634291  
-----

Dropout probability: 0.2  
Epochs: 4  
Learning rate: 0.001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 1 Macro-Averaged F1: 0.371680188613827  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 2 Macro-Averaged F1: 0.4423596205774423  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 3 Macro-Averaged F1: 0.5279105804872465  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 4 Macro-Averaged F1: 0.6132619774555671  
Validation Macro-Averaged F1: 0.8137242874084979  
-----

Dropout probability: 0.2  
Epochs: 4  
Learning rate: 0.001  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.34785502539829194  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.3804803115147943  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.41644752569925886  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.4209625569509008  
Validation Macro-Averaged F1: 0.44835164835164837  
-----

Dropout probability: 0.2

Epochs: 4  
Learning rate: 0.005  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 1 Macro-Averaged F1: 0.4050710878496923  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.5774991260596388  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 3 Macro-Averaged F1: 0.6375046845343876  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 4 Macro-Averaged F1: 0.6850703300965081  
Validation Macro-Averaged F1: 0.7799802536644642

-----  
Dropout probability: 0.2

Epochs: 4  
Learning rate: 0.005  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 1 Macro-Averaged F1: 0.3862778519985873  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 2 Macro-Averaged F1: 0.4459109730848862  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.5500724350288088  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.6312808123511234  
Validation Macro-Averaged F1: 0.7833333333333333

-----  
Dropout probability: 0.2

Epochs: 4  
Learning rate: 0.005  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.39277663934426227  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.5179606900430699  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 3 Macro-Averaged F1: 0.6196917711947033  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.6728698438594872  
Validation Macro-Averaged F1: 0.7903459014570126

-----  
Dropout probability: 0.2

Epochs: 4  
Learning rate: 0.0001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.26147077309868005  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 2 Macro-Averaged F1: 0.292468461756363  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 3 Macro-Averaged F1: 0.35890225260304004  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.3899810104576212  
Validation Macro-Averaged F1: 0.35912075363973733

-----  
Dropout probability: 0.2

Epochs: 4

Learning rate: 0.0001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 1 Macro-Averaged F1: 0.3373063799540154  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 2 Macro-Averaged F1: 0.3199351425157877  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.38213110807991657  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 4 Macro-Averaged F1: 0.40702072074621093  
Validation Macro-Averaged F1: 0.4031777557100298  
-----

Dropout probability: 0.2

Epochs: 4

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.27458590936675015  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.338373406042579  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.2847108191935778  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.39154232783347803  
Validation Macro-Averaged F1: 0.39532163742690063  
-----

Dropout probability: 0.2

Epochs: 4

Learning rate: 0.0005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 1 Macro-Averaged F1: 0.3554758584047287  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.4076000277373275  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.45088566827697263  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 4 Macro-Averaged F1: 0.4531094613658966  
Validation Macro-Averaged F1: 0.46951871657754013  
-----

Dropout probability: 0.2

Epochs: 4

Learning rate: 0.0005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 1 Macro-Averaged F1: 0.36383146955834184  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 2 Macro-Averaged F1: 0.43719806763285024  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.47939536160016916  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 4 Macro-Averaged F1: 0.515686864913965  
Validation Macro-Averaged F1: 0.6405870552212015  
-----

Dropout probability: 0.2

Epochs: 4

Learning rate: 0.0005

Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.29576860549132944  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.40298784815833644  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 3 Macro-Averaged F1: 0.4340053039467604  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.43361326949742307  
Validation Macro-Averaged F1: 0.42950513538748836  
-----

Dropout probability: 0.2

Epochs: 8

Learning rate: 0.002

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.3961055874401602  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 2 Macro-Averaged F1: 0.5283222348596738  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 3 Macro-Averaged F1: 0.6377192619274349  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 4 Macro-Averaged F1: 0.6486369067014229  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 5 Macro-Averaged F1: 0.6728707363489971  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 6 Macro-Averaged F1: 0.7051607902516404  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7260569561056901  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 8 Macro-Averaged F1: 0.7027396799784859  
Validation Macro-Averaged F1: 0.8354770433083686  
-----

Dropout probability: 0.2

Epochs: 8

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 1 Macro-Averaged F1: 0.38888888888888884  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 2 Macro-Averaged F1: 0.5042531745153717  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 3 Macro-Averaged F1: 0.5916965915494792  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.6700032717115919  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 5 Macro-Averaged F1: 0.7033566360012896  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 6 Macro-Averaged F1: 0.7330923866628237  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 7 Macro-Averaged F1: 0.7099967394771282  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 8 Macro-Averaged F1: 0.7440396107249768  
Validation Macro-Averaged F1: 0.7605666783748974  
-----

Dropout probability: 0.2

Epochs: 8



Learning rate: 0.002  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 1 Macro-Averaged F1: 0.3775476110925493  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.4634778434066528  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.5034886944434683  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.5856644153299895  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 5 Macro-Averaged F1: 0.6548283615085748  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 6 Macro-Averaged F1: 0.7033302209772797  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 7 Macro-Averaged F1: 0.700336235711001  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 8 Macro-Averaged F1: 0.7252302106485864  
Validation Macro-Averaged F1: 0.7620509607351713  
-----

Dropout probability: 0.2  
Epochs: 8  
Learning rate: 0.001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.3816146189027545  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 2 Macro-Averaged F1: 0.4321420836040719  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.5122290914063757  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 4 Macro-Averaged F1: 0.5993559756783938  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 5 Macro-Averaged F1: 0.6382439459589295  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.668260110213069  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.6557045701466002  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 8 Macro-Averaged F1: 0.6946783178126462  
Validation Macro-Averaged F1: 0.7514619883040936  
-----

Dropout probability: 0.2  
Epochs: 8  
Learning rate: 0.001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 1 Macro-Averaged F1: 0.38414019715224534  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 2 Macro-Averaged F1: 0.5037214885954382  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 3 Macro-Averaged F1: 0.6072765058529087  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 4 Macro-Averaged F1: 0.6885240173387549  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 5 Macro-Averaged F1: 0.6876259815799823  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]

Epoch 6 Macro-Averaged F1: 0.7313705568365746  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 7 Macro-Averaged F1: 0.6826748285452463  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 8 Macro-Averaged F1: 0.7460610068975089  
Validation Macro-Averaged F1: 0.7733153090295947  
-----

Dropout probability: 0.2

Epochs: 8

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 1 Macro-Averaged F1: 0.38240975152367557  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.4260021404519312  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 3 Macro-Averaged F1: 0.45622560059365985  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.5390875844542242  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 5 Macro-Averaged F1: 0.6245544915836482  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.6438224420463629  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.6873246220296556  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.6725057403546337  
Validation Macro-Averaged F1: 0.7646589736373018  
-----

Dropout probability: 0.2

Epochs: 8

Learning rate: 0.005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 1 Macro-Averaged F1: 0.39987008637137866  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.5450924608819346  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.618032828043543  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.6791327053308898  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 5 Macro-Averaged F1: 0.7264322369965734  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 6 Macro-Averaged F1: 0.6781073898367422  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7384127664232252  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 8 Macro-Averaged F1: 0.7301096851339666  
Validation Macro-Averaged F1: 0.7271255060728744  
-----

Dropout probability: 0.2

Epochs: 8

Learning rate: 0.005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 1 Macro-Averaged F1: 0.4789416211649546

```
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]
Epoch 2 Macro-Averaged F1: 0.5385620915032681
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]
Epoch 3 Macro-Averaged F1: 0.651271244771536
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]
Epoch 4 Macro-Averaged F1: 0.6930794238423442
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]
Epoch 5 Macro-Averaged F1: 0.6938252738252738
100%|██████████| 94/94 [00:06<00:00, 13.73it/s]
Epoch 6 Macro-Averaged F1: 0.6964039393292848
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]
Epoch 7 Macro-Averaged F1: 0.6994966563232868
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]
Epoch 8 Macro-Averaged F1: 0.7469677248019432
Validation Macro-Averaged F1: 0.8086898267776821
```

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.005

Batch size: 16

```
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 1 Macro-Averaged F1: 0.4347010753179709
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 2 Macro-Averaged F1: 0.5350986260043739
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 3 Macro-Averaged F1: 0.6018293919856895
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 4 Macro-Averaged F1: 0.6754581776308187
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 5 Macro-Averaged F1: 0.7075679946376433
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 6 Macro-Averaged F1: 0.6895298122001119
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 7 Macro-Averaged F1: 0.7106448878803269
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 8 Macro-Averaged F1: 0.7654050589414281
Validation Macro-Averaged F1: 0.7999549549549548
```

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.0001

Batch size: 8

```
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]
Epoch 1 Macro-Averaged F1: 0.2980788079424807
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]
Epoch 2 Macro-Averaged F1: 0.3636175008724028
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]
Epoch 3 Macro-Averaged F1: 0.34901542341643227
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]
Epoch 4 Macro-Averaged F1: 0.3852344584051901
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]
Epoch 5 Macro-Averaged F1: 0.4209577295479945
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]
Epoch 6 Macro-Averaged F1: 0.4262433939261934
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]
Epoch 7 Macro-Averaged F1: 0.4313360579963996
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]
```

Epoch 8 Macro-Averaged F1: 0.4321407274895647  
Validation Macro-Averaged F1: 0.4166666666666667

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.0001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 1 Macro-Averaged F1: 0.34165553001598054  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 2 Macro-Averaged F1: 0.3309412686093776  
100%|██████████| 94/94 [00:06<00:00, 13.71it/s]  
Epoch 3 Macro-Averaged F1: 0.415232332074227  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 4 Macro-Averaged F1: 0.4211596142881932  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 5 Macro-Averaged F1: 0.4286938579281967  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 6 Macro-Averaged F1: 0.43352539479300045  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 7 Macro-Averaged F1: 0.4470483005366726  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 8 Macro-Averaged F1: 0.45028542017593104  
Validation Macro-Averaged F1: 0.4428368794326241

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.2398553235899826  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.23705578403458824  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.2525182008576842  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.34445180127864194  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 5 Macro-Averaged F1: 0.37513344830417994  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.40463484292125657  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.4159420289855073  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 8 Macro-Averaged F1: 0.42522140100111755  
Validation Macro-Averaged F1: 0.41502881048227963

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.0005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 1 Macro-Averaged F1: 0.35398460069381493  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 2 Macro-Averaged F1: 0.4028897849462367  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 3 Macro-Averaged F1: 0.4423596205774423

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 4 Macro-Averaged F1: 0.4828964461238299  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 5 Macro-Averaged F1: 0.5594897643049498  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 6 Macro-Averaged F1: 0.6174376852646248  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 7 Macro-Averaged F1: 0.654382304738013  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 8 Macro-Averaged F1: 0.6840052152586065  
Validation Macro-Averaged F1: 0.7449567070130105

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.0005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.90it/s]  
Epoch 1 Macro-Averaged F1: 0.3457653457653458  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 2 Macro-Averaged F1: 0.4243846919903258  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 3 Macro-Averaged F1: 0.4843543018795787  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 4 Macro-Averaged F1: 0.5424932210646497  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 5 Macro-Averaged F1: 0.6403055211237815  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 6 Macro-Averaged F1: 0.6581276489653453  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 7 Macro-Averaged F1: 0.681992217691426  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 8 Macro-Averaged F1: 0.6945571479750218  
Validation Macro-Averaged F1: 0.7762370306100842

-----  
Dropout probability: 0.2

Epochs: 8

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.35244050266418997  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.3940718841921859  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.43202769782672173  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.4336007130124777  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 5 Macro-Averaged F1: 0.4795051230553565  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 6 Macro-Averaged F1: 0.5287470757861723  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.590290800337587  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 8 Macro-Averaged F1: 0.6227855728505457  
Validation Macro-Averaged F1: 0.7498615601722013

-----  
Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.002  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 1 Macro-Averaged F1: 0.37905985890898936  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 2 Macro-Averaged F1: 0.46181830841267907  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.5729645101480391  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 4 Macro-Averaged F1: 0.6617681753274973  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 5 Macro-Averaged F1: 0.6876762746488411  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 6 Macro-Averaged F1: 0.7232635219201846  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 7 Macro-Averaged F1: 0.7412435933583819  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 8 Macro-Averaged F1: 0.72124822814478  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 9 Macro-Averaged F1: 0.7209550741149254  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 10 Macro-Averaged F1: 0.7446996572471858  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 11 Macro-Averaged F1: 0.7342578083315079  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 12 Macro-Averaged F1: 0.7747281678966541  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 13 Macro-Averaged F1: 0.7917505442288336  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 14 Macro-Averaged F1: 0.8045149922133294  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 15 Macro-Averaged F1: 0.8018371731281498  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 16 Macro-Averaged F1: 0.7750695520575629  
Validation Macro-Averaged F1: 0.7712271635160253

-----  
Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.002  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 1 Macro-Averaged F1: 0.3694407902328694  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 2 Macro-Averaged F1: 0.4714242233864327  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 3 Macro-Averaged F1: 0.6142591403984214  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.6651636739384545  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 5 Macro-Averaged F1: 0.7131646131646132  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 6 Macro-Averaged F1: 0.7181648756406398  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 7 Macro-Averaged F1: 0.7502444268316908  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 8 Macro-Averaged F1: 0.7394096546597521

```
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]
Epoch 9 Macro-Averaged F1: 0.7265446838617571
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]
Epoch 10 Macro-Averaged F1: 0.7562730355300014
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]
Epoch 11 Macro-Averaged F1: 0.7332015937279096
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]
Epoch 12 Macro-Averaged F1: 0.7592914034215698
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]
Epoch 13 Macro-Averaged F1: 0.764999320605826
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]
Epoch 14 Macro-Averaged F1: 0.7725926439966774
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]
Epoch 15 Macro-Averaged F1: 0.7475748194014447
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]
Epoch 16 Macro-Averaged F1: 0.8028730462148488
Validation Macro-Averaged F1: 0.7556314747544638
```

-----  
Dropout probability: 0.2

Epochs: 16

Learning rate: 0.002

Batch size: 16

```
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 1 Macro-Averaged F1: 0.3850947070277925
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 2 Macro-Averaged F1: 0.45700526598871755
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 3 Macro-Averaged F1: 0.5312486516359166
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 4 Macro-Averaged F1: 0.6276103034217779
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 5 Macro-Averaged F1: 0.6787075581594545
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 6 Macro-Averaged F1: 0.6630802565027957
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]
Epoch 7 Macro-Averaged F1: 0.6827743138645274
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 8 Macro-Averaged F1: 0.7416316003933692
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 9 Macro-Averaged F1: 0.7207385820488933
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 10 Macro-Averaged F1: 0.7508128118461291
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]
Epoch 11 Macro-Averaged F1: 0.731813419663887
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]
Epoch 12 Macro-Averaged F1: 0.7684921526162402
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 13 Macro-Averaged F1: 0.7574769433465086
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 14 Macro-Averaged F1: 0.7595248330257856
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 15 Macro-Averaged F1: 0.7813346184832554
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 16 Macro-Averaged F1: 0.774465246782856
Validation Macro-Averaged F1: 0.7658692185007974
```

-----  
Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.3387730065856409  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 2 Macro-Averaged F1: 0.42135961560421986  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.44706896551724135  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 4 Macro-Averaged F1: 0.4845356264002611  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 5 Macro-Averaged F1: 0.564906399836884  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 6 Macro-Averaged F1: 0.6440696649029981  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 7 Macro-Averaged F1: 0.6790360430587512  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 8 Macro-Averaged F1: 0.7124427879159473  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 9 Macro-Averaged F1: 0.722081735258206  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 10 Macro-Averaged F1: 0.7120608177642399  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 11 Macro-Averaged F1: 0.7430683648074953  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 12 Macro-Averaged F1: 0.7304745358079224  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 13 Macro-Averaged F1: 0.7335152816863069  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 14 Macro-Averaged F1: 0.7447762232451227  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 15 Macro-Averaged F1: 0.744449254684428  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 16 Macro-Averaged F1: 0.7569892893404321  
Validation Macro-Averaged F1: 0.781921266581087

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Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 1 Macro-Averaged F1: 0.38623707239459026  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 2 Macro-Averaged F1: 0.45701199110420104  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 3 Macro-Averaged F1: 0.5476238040755049  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 4 Macro-Averaged F1: 0.5843127663638051  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 5 Macro-Averaged F1: 0.6461042332510214  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 6 Macro-Averaged F1: 0.7027961567575337  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 7 Macro-Averaged F1: 0.694204139663877  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 8 Macro-Averaged F1: 0.7350890455014284



100%|██████████| 94/94 [00:06<00:00, 13.88it/s]  
Epoch 9 Macro-Averaged F1: 0.7376843703276633  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 10 Macro-Averaged F1: 0.7152904529727181  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 11 Macro-Averaged F1: 0.7362325914367821  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 12 Macro-Averaged F1: 0.7587201858626349  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 13 Macro-Averaged F1: 0.781023077128666  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 14 Macro-Averaged F1: 0.7722121139881599  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 15 Macro-Averaged F1: 0.7656925595932238  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 16 Macro-Averaged F1: 0.7743392535730268  
Validation Macro-Averaged F1: 0.7697697697697697  
-----

Dropout probability: 0.2

Epochs: 16

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.37595582661757093  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.4295005807200929  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.4334845049130764  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.48103009797189816  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 5 Macro-Averaged F1: 0.520766519522294  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 6 Macro-Averaged F1: 0.5847643780513713  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.6286417624521072  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 8 Macro-Averaged F1: 0.6761617687283886  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 9 Macro-Averaged F1: 0.6676445964765755  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 10 Macro-Averaged F1: 0.7152113119855055  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 11 Macro-Averaged F1: 0.7131181097813424  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 12 Macro-Averaged F1: 0.7296825047302148  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 13 Macro-Averaged F1: 0.7281899812658379  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 14 Macro-Averaged F1: 0.7270362764479238  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 15 Macro-Averaged F1: 0.7473590922134224  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 16 Macro-Averaged F1: 0.7219406757116255  
Validation Macro-Averaged F1: 0.781413303373376  
-----

Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.005  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.4163676795737555  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 2 Macro-Averaged F1: 0.5120348289057733  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.6304455665684455  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 4 Macro-Averaged F1: 0.6919794042435551  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 5 Macro-Averaged F1: 0.6731399406813153  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 6 Macro-Averaged F1: 0.7128862741972822  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7263550163178417  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 8 Macro-Averaged F1: 0.7453720858057471  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 9 Macro-Averaged F1: 0.7461827606795852  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 10 Macro-Averaged F1: 0.7647718619661341  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 11 Macro-Averaged F1: 0.7434748403632795  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 12 Macro-Averaged F1: 0.7600486914730733  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 13 Macro-Averaged F1: 0.7645630984987396  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 14 Macro-Averaged F1: 0.8011297118657906  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 15 Macro-Averaged F1: 0.7520964360587001  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 16 Macro-Averaged F1: 0.7675278905611352  
Validation Macro-Averaged F1: 0.8585753000387147

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Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.005  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 1 Macro-Averaged F1: 0.41435106984623893  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 2 Macro-Averaged F1: 0.525049878645769  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 3 Macro-Averaged F1: 0.6858258118062039  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 4 Macro-Averaged F1: 0.6823026331254639  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 5 Macro-Averaged F1: 0.6789787666740001  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 6 Macro-Averaged F1: 0.736414439159465  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 7 Macro-Averaged F1: 0.7225135421856734  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 8 Macro-Averaged F1: 0.7382119465053555

100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 9 Macro-Averaged F1: 0.7203086316338118  
100%|██████████| 94/94 [00:06<00:00, 13.73it/s]  
Epoch 10 Macro-Averaged F1: 0.7363446569676584  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 11 Macro-Averaged F1: 0.7634856371698479  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 12 Macro-Averaged F1: 0.7533114457149326  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 13 Macro-Averaged F1: 0.7578648314454025  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 14 Macro-Averaged F1: 0.762515670990402  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 15 Macro-Averaged F1: 0.7457580679018484  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 16 Macro-Averaged F1: 0.7522210536791621  
Validation Macro-Averaged F1: 0.8065665665665666

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Dropout probability: 0.2

Epochs: 16

Learning rate: 0.005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.37890377671680614  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 2 Macro-Averaged F1: 0.5144096654536505  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 3 Macro-Averaged F1: 0.593196126081125  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 4 Macro-Averaged F1: 0.6470395820287754  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 5 Macro-Averaged F1: 0.7040827210358644  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 6 Macro-Averaged F1: 0.7203401058687438  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 7 Macro-Averaged F1: 0.7621403247204807  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 8 Macro-Averaged F1: 0.7692103920240801  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 9 Macro-Averaged F1: 0.7546955848726675  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 10 Macro-Averaged F1: 0.7941141050730091  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 11 Macro-Averaged F1: 0.7514656354412947  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 12 Macro-Averaged F1: 0.784015221466745  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 13 Macro-Averaged F1: 0.770244107632136  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 14 Macro-Averaged F1: 0.791997364657047  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 15 Macro-Averaged F1: 0.7830383075414821  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 16 Macro-Averaged F1: 0.8144603278927959  
Validation Macro-Averaged F1: 0.7921009244538656

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Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.0001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 1 Macro-Averaged F1: 0.3266276803118909  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 2 Macro-Averaged F1: 0.21212121212121213  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.3326685371102773  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 4 Macro-Averaged F1: 0.3926530612244898  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 5 Macro-Averaged F1: 0.42873308920760866  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 6 Macro-Averaged F1: 0.41884057971014493  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 7 Macro-Averaged F1: 0.42909090909090913  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 8 Macro-Averaged F1: 0.42668469686725263  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 9 Macro-Averaged F1: 0.44192009540846744  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 10 Macro-Averaged F1: 0.4498228341775463  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 11 Macro-Averaged F1: 0.43983950963877966  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 12 Macro-Averaged F1: 0.4466030817826078  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 13 Macro-Averaged F1: 0.44937971347485295  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 14 Macro-Averaged F1: 0.4684619946075897  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 15 Macro-Averaged F1: 0.5033177414363589  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 16 Macro-Averaged F1: 0.48570083687116794  
Validation Macro-Averaged F1: 0.509009338502426

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Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.0001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 1 Macro-Averaged F1: 0.33904894460897683  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 2 Macro-Averaged F1: 0.3471728772480653  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 3 Macro-Averaged F1: 0.4089458079549868  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.4243261405211678  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 5 Macro-Averaged F1: 0.4361573277235928  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 6 Macro-Averaged F1: 0.4318165001849797  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 7 Macro-Averaged F1: 0.43089754827741916  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 8 Macro-Averaged F1: 0.4435042817224792

100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 9 Macro-Averaged F1: 0.4367905056759545  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 10 Macro-Averaged F1: 0.5203976882808999  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 11 Macro-Averaged F1: 0.48940041884448204  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 12 Macro-Averaged F1: 0.5106499012381366  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 13 Macro-Averaged F1: 0.5493431671209449  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 14 Macro-Averaged F1: 0.5784010333264065  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 15 Macro-Averaged F1: 0.5875800218069545  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 16 Macro-Averaged F1: 0.5965382330505943  
Validation Macro-Averaged F1: 0.7586903517938001

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Dropout probability: 0.2

Epochs: 16

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.68it/s]  
Epoch 1 Macro-Averaged F1: 0.2674775825682763  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 2 Macro-Averaged F1: 0.29557109557109557  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.2665544332210999  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 4 Macro-Averaged F1: 0.35389998293224095  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 5 Macro-Averaged F1: 0.3909518646360752  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 6 Macro-Averaged F1: 0.4163818637502848  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 7 Macro-Averaged F1: 0.4297117076919263  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 8 Macro-Averaged F1: 0.435532525665353  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 9 Macro-Averaged F1: 0.44274558458619184  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 10 Macro-Averaged F1: 0.43323811616494545  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 11 Macro-Averaged F1: 0.43788402457757303  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 12 Macro-Averaged F1: 0.4475849731663685  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 13 Macro-Averaged F1: 0.434869075240305  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 14 Macro-Averaged F1: 0.4358227739141533  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 15 Macro-Averaged F1: 0.44598480634118914  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 16 Macro-Averaged F1: 0.45848717471954387  
Validation Macro-Averaged F1: 0.4275362318840579

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Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.0005  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.31486818682715945  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.4111911726237188  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 3 Macro-Averaged F1: 0.4554277392547464  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 4 Macro-Averaged F1: 0.5095932559071988  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 5 Macro-Averaged F1: 0.5774973818452079  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 6 Macro-Averaged F1: 0.610832657936271  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 7 Macro-Averaged F1: 0.6584995425282867  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 8 Macro-Averaged F1: 0.6519426898714498  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 9 Macro-Averaged F1: 0.6828998617916824  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 10 Macro-Averaged F1: 0.7221996429717081  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 11 Macro-Averaged F1: 0.7224984956153103  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 12 Macro-Averaged F1: 0.7311165368368019  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 13 Macro-Averaged F1: 0.7209064844271631  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 14 Macro-Averaged F1: 0.7313587291033117  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 15 Macro-Averaged F1: 0.7290584952948409  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 16 Macro-Averaged F1: 0.7586094224403724  
Validation Macro-Averaged F1: 0.781413303373376

-----  
Dropout probability: 0.2

Epochs: 16  
Learning rate: 0.0005  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 1 Macro-Averaged F1: 0.3685364281108962  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 2 Macro-Averaged F1: 0.43889556954563674  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 3 Macro-Averaged F1: 0.4683267665387503  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 4 Macro-Averaged F1: 0.5234540551615835  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 5 Macro-Averaged F1: 0.5894595131106419  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 6 Macro-Averaged F1: 0.6523265387193197  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 7 Macro-Averaged F1: 0.6853314307479236  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 8 Macro-Averaged F1: 0.6992423158159525

100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 9 Macro-Averaged F1: 0.7149224440872123  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 10 Macro-Averaged F1: 0.7310160026905738  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 11 Macro-Averaged F1: 0.7226804274630361  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 12 Macro-Averaged F1: 0.7291900051432719  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 13 Macro-Averaged F1: 0.7380490912089425  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 14 Macro-Averaged F1: 0.7415687152571477  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 15 Macro-Averaged F1: 0.7427911507181264  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 16 Macro-Averaged F1: 0.7836674022841695  
Validation Macro-Averaged F1: 0.7640628105744384

-----  
Dropout probability: 0.2

Epochs: 16

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.3547461994478293  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 2 Macro-Averaged F1: 0.3885959209227287  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.41527960511792594  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 4 Macro-Averaged F1: 0.4408689358065388  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 5 Macro-Averaged F1: 0.42802096932702755  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.47159134377631035  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 7 Macro-Averaged F1: 0.5116407399621611  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.5462696587586441  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 9 Macro-Averaged F1: 0.5975474077030786  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 10 Macro-Averaged F1: 0.6262734328915261  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 11 Macro-Averaged F1: 0.6427448786595273  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 12 Macro-Averaged F1: 0.658667436307686  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 13 Macro-Averaged F1: 0.6673498660749596  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 14 Macro-Averaged F1: 0.6975338220054571  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 15 Macro-Averaged F1: 0.6550183186420414  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 16 Macro-Averaged F1: 0.6974651681911634  
Validation Macro-Averaged F1: 0.747164130960701

-----  
Dropout probability: 0.15

Epochs: 4  
Learning rate: 0.002  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.3911084724453447  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 2 Macro-Averaged F1: 0.5245827244971905  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.5865059351470111  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 4 Macro-Averaged F1: 0.6794246202518747  
Validation Macro-Averaged F1: 0.8067180145485665  
-----

Dropout probability: 0.15  
Epochs: 4  
Learning rate: 0.002  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 1 Macro-Averaged F1: 0.3739231485269443  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 2 Macro-Averaged F1: 0.5452505682254362  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 3 Macro-Averaged F1: 0.6529087546560391  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 4 Macro-Averaged F1: 0.6445631732252047  
Validation Macro-Averaged F1: 0.7607772072888354  
-----

Dropout probability: 0.15  
Epochs: 4  
Learning rate: 0.002  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.68it/s]  
Epoch 1 Macro-Averaged F1: 0.38846067162497183  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 2 Macro-Averaged F1: 0.46056577554932704  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 3 Macro-Averaged F1: 0.520848322256773  
100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 4 Macro-Averaged F1: 0.642480765427612  
Validation Macro-Averaged F1: 0.7490196078431373  
-----

Dropout probability: 0.15  
Epochs: 4  
Learning rate: 0.001  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 1 Macro-Averaged F1: 0.35380352194511483  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.4541814305879642  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 3 Macro-Averaged F1: 0.5237143466848585  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 4 Macro-Averaged F1: 0.6225923356743122  
Validation Macro-Averaged F1: 0.7655562539283469  
-----

Dropout probability: 0.15  
Epochs: 4



Learning rate: 0.001  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.91it/s]  
Epoch 1 Macro-Averaged F1: 0.3913572521207065  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 2 Macro-Averaged F1: 0.45701199110420104  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 3 Macro-Averaged F1: 0.5483261639434013  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 4 Macro-Averaged F1: 0.6620552364302363  
Validation Macro-Averaged F1: 0.7474286438770821  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.3855378169471935  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.43719806763285024  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.4521728069566826  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.47402101505666744  
Validation Macro-Averaged F1: 0.49372405020759835  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.39311490496581775  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.5477092352092353  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 3 Macro-Averaged F1: 0.6594417909007575  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 4 Macro-Averaged F1: 0.7101601034455188  
Validation Macro-Averaged F1: 0.7746411483253589  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 1 Macro-Averaged F1: 0.40209347616421837  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 2 Macro-Averaged F1: 0.5818089608419404  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 3 Macro-Averaged F1: 0.6640912665823698  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 4 Macro-Averaged F1: 0.6709069303361573  
Validation Macro-Averaged F1: 0.712069047280315  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.005

Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.42229145216635255  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.5395971888118486  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.623773018261858  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.6866746476674259  
Validation Macro-Averaged F1: 0.784733893557423  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.0001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.3976362179487179  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 2 Macro-Averaged F1: 0.29937580689099713  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 3 Macro-Averaged F1: 0.36512717536813927  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.4142647713290924  
Validation Macro-Averaged F1: 0.4031777557100298  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.0001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 1 Macro-Averaged F1: 0.3178224825283648  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 2 Macro-Averaged F1: 0.3195654125886684  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 3 Macro-Averaged F1: 0.3970473137764961  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 4 Macro-Averaged F1: 0.42661312312535643  
Validation Macro-Averaged F1: 0.4031777557100298  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 1 Macro-Averaged F1: 0.21333333333333333  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 2 Macro-Averaged F1: 0.21809523809523804  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.29366320242803273  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.36940897501809905  
Validation Macro-Averaged F1: 0.4031777557100298  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.0005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 1 Macro-Averaged F1: 0.3698992534608973  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.40422667719403327  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 3 Macro-Averaged F1: 0.4342012914093207  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 4 Macro-Averaged F1: 0.49331294480651344  
Validation Macro-Averaged F1: 0.6525689042542976  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.0005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.94it/s]  
Epoch 1 Macro-Averaged F1: 0.3578423332593657  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 2 Macro-Averaged F1: 0.4289453207894178  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 3 Macro-Averaged F1: 0.49444941023888395  
100%|██████████| 94/94 [00:06<00:00, 13.93it/s]  
Epoch 4 Macro-Averaged F1: 0.5743703101548231  
Validation Macro-Averaged F1: 0.774044045770801  
-----

Dropout probability: 0.15

Epochs: 4

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.69it/s]  
Epoch 1 Macro-Averaged F1: 0.3319783197831978  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 2 Macro-Averaged F1: 0.39923499880468566  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.4216137302168967  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 4 Macro-Averaged F1: 0.4343786295005807  
Validation Macro-Averaged F1: 0.4279683782331722  
-----

Dropout probability: 0.15

Epochs: 8

Learning rate: 0.002

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.48it/s]  
Epoch 1 Macro-Averaged F1: 0.3698181818181818  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.5036361002462697  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 3 Macro-Averaged F1: 0.6032541984883468  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 4 Macro-Averaged F1: 0.6708258371284002  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 5 Macro-Averaged F1: 0.6909334772160229  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 6 Macro-Averaged F1: 0.7391438482170177  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 7 Macro-Averaged F1: 0.7337261856754878  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]

Epoch 8 Macro-Averaged F1: 0.7418852342126  
Validation Macro-Averaged F1: 0.7942554799697658

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 1 Macro-Averaged F1: 0.39350655398011686  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 2 Macro-Averaged F1: 0.5386525359551552  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.69453373827813  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 4 Macro-Averaged F1: 0.6666355485943275  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 5 Macro-Averaged F1: 0.717118811371685  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 6 Macro-Averaged F1: 0.7162522033412396  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 7 Macro-Averaged F1: 0.7508184876605929  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 8 Macro-Averaged F1: 0.7380064258241098  
Validation Macro-Averaged F1: 0.7707248983844729

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.002

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.38221589410958184  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.46096085479812005  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 3 Macro-Averaged F1: 0.5275027706490522  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.6281905594405595  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 5 Macro-Averaged F1: 0.68491251573093  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.6753492895172489  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 7 Macro-Averaged F1: 0.7446514262789781  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 8 Macro-Averaged F1: 0.7320233214542157  
Validation Macro-Averaged F1: 0.802422723475355

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 1 Macro-Averaged F1: 0.38991346290253937  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 2 Macro-Averaged F1: 0.4595669631130624  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.5164769870652224

100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.5975279041676883  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 5 Macro-Averaged F1: 0.7038553334886156  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 6 Macro-Averaged F1: 0.714488120146929  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7480988908919048  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 8 Macro-Averaged F1: 0.7615474306575436  
Validation Macro-Averaged F1: 0.7612528937606338

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 1 Macro-Averaged F1: 0.37882531387570584  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 2 Macro-Averaged F1: 0.46915966508496215  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 3 Macro-Averaged F1: 0.5426750167620727  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 4 Macro-Averaged F1: 0.6333211973514096  
100%|██████████| 94/94 [00:06<00:00, 13.72it/s]  
Epoch 5 Macro-Averaged F1: 0.6989590730190184  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 6 Macro-Averaged F1: 0.7008789854739711  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 7 Macro-Averaged F1: 0.7056965089751975  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 8 Macro-Averaged F1: 0.751870675427245  
Validation Macro-Averaged F1: 0.8031339031339032

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.38195200331726537  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.44858156028368795  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.46369218828470987  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 4 Macro-Averaged F1: 0.5006377551020408  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 5 Macro-Averaged F1: 0.5564428956326735  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 6 Macro-Averaged F1: 0.6255392646358993  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.6787928390671597  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 8 Macro-Averaged F1: 0.7071669677916695  
Validation Macro-Averaged F1: 0.7719192591536052

-----  
Dropout probability: 0.15

Epochs: 8  
Learning rate: 0.005  
Batch size: 8  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 1 Macro-Averaged F1: 0.37271004893845144  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.47272853161620887  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.6264586774028159  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 4 Macro-Averaged F1: 0.706251100643624  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 5 Macro-Averaged F1: 0.70157051866141  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 6 Macro-Averaged F1: 0.7313668507216894  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7169151994061366  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 8 Macro-Averaged F1: 0.7666358410052861  
Validation Macro-Averaged F1: 0.8176323619361594  
-----

Dropout probability: 0.15  
Epochs: 8  
Learning rate: 0.005  
Batch size: 4  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 1 Macro-Averaged F1: 0.44062771361934033  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 2 Macro-Averaged F1: 0.5894087431301411  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 3 Macro-Averaged F1: 0.6772358704247249  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 4 Macro-Averaged F1: 0.6514404317144044  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 5 Macro-Averaged F1: 0.7128622496500396  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 6 Macro-Averaged F1: 0.7279244888066279  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 7 Macro-Averaged F1: 0.7365640981515659  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 8 Macro-Averaged F1: 0.7251561426134482  
Validation Macro-Averaged F1: 0.8004834102395079  
-----

Dropout probability: 0.15  
Epochs: 8  
Learning rate: 0.005  
Batch size: 16  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 1 Macro-Averaged F1: 0.41270117278338087  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.5181238557164742  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.6169977569571891  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 4 Macro-Averaged F1: 0.6460098638253463  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 5 Macro-Averaged F1: 0.7038110052742655

100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 6 Macro-Averaged F1: 0.7098009294599521  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.7540373679181394  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 8 Macro-Averaged F1: 0.7565069561116992  
Validation Macro-Averaged F1: 0.791326209930861  
-----

Dropout probability: 0.15

Epochs: 8

Learning rate: 0.0001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.3233170671199781  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 2 Macro-Averaged F1: 0.3169614797521774  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 3 Macro-Averaged F1: 0.395221027479092  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 4 Macro-Averaged F1: 0.4227233352893509  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 5 Macro-Averaged F1: 0.4193950047608584  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 6 Macro-Averaged F1: 0.4455148078587839  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 7 Macro-Averaged F1: 0.4321407274895647  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 8 Macro-Averaged F1: 0.4531808858929722  
Validation Macro-Averaged F1: 0.41792369121561673  
-----

Dropout probability: 0.15

Epochs: 8

Learning rate: 0.0001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 1 Macro-Averaged F1: 0.33085736236996743  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 2 Macro-Averaged F1: 0.379464791342758  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 3 Macro-Averaged F1: 0.3983751493428913  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 4 Macro-Averaged F1: 0.4133889987548524  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 5 Macro-Averaged F1: 0.4441233836596114  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 6 Macro-Averaged F1: 0.4319945699256043  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 7 Macro-Averaged F1: 0.4338624338624338  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 8 Macro-Averaged F1: 0.44296458561518803  
Validation Macro-Averaged F1: 0.4386926957666155  
-----

Dropout probability: 0.15

Epochs: 8

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.64it/s]

Epoch 1 Macro-Averaged F1: 0.2272705965576167  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.2133333333333333  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.2331513702628876  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.25715077307331274  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 5 Macro-Averaged F1: 0.33913621561933094  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 6 Macro-Averaged F1: 0.4004066496774436  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.3974375054269699  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 8 Macro-Averaged F1: 0.41575618706979256  
Validation Macro-Averaged F1: 0.41151515151515144

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.0005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 1 Macro-Averaged F1: 0.35247208931419455  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 2 Macro-Averaged F1: 0.4253495555398364  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 3 Macro-Averaged F1: 0.4457351158552006  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.44704701743395203  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 5 Macro-Averaged F1: 0.4866469656728887  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.5793608277406258  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 7 Macro-Averaged F1: 0.5899160936187218  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 8 Macro-Averaged F1: 0.6616953879453878  
Validation Macro-Averaged F1: 0.7296463884699179

-----  
Dropout probability: 0.15

Epochs: 8

Learning rate: 0.0005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 1 Macro-Averaged F1: 0.374173090591001  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 2 Macro-Averaged F1: 0.44293381037567087  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 3 Macro-Averaged F1: 0.4434355428278736  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 4 Macro-Averaged F1: 0.4656717344465188  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 5 Macro-Averaged F1: 0.567371461922909  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 6 Macro-Averaged F1: 0.6397965064597294  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 7 Macro-Averaged F1: 0.6765302596623629



100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 8 Macro-Averaged F1: 0.6994343434343434  
Validation Macro-Averaged F1: 0.7612528937606338  
-----

Dropout probability: 0.15

Epochs: 8

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 1 Macro-Averaged F1: 0.3822035025219024  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 2 Macro-Averaged F1: 0.4087394443512378  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 3 Macro-Averaged F1: 0.42459324155193984  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.4621138668008135  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 5 Macro-Averaged F1: 0.4562387753790582  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 6 Macro-Averaged F1: 0.5194933779092196  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 7 Macro-Averaged F1: 0.5485038235765755  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 8 Macro-Averaged F1: 0.5971269699681301  
Validation Macro-Averaged F1: 0.7412422093273157  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.002

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 1 Macro-Averaged F1: 0.39472978529417024  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 2 Macro-Averaged F1: 0.5408408336841882  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 3 Macro-Averaged F1: 0.6517595604314828  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.6999743024271327  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 5 Macro-Averaged F1: 0.7160112909832416  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 6 Macro-Averaged F1: 0.7563343991971916  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 7 Macro-Averaged F1: 0.7553242570633875  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 8 Macro-Averaged F1: 0.7495030837567507  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 9 Macro-Averaged F1: 0.7630651726346743  
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]  
Epoch 10 Macro-Averaged F1: 0.7443887720913889  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 11 Macro-Averaged F1: 0.7678601738431113  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 12 Macro-Averaged F1: 0.7634550501415927  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 13 Macro-Averaged F1: 0.7636057466225065  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]

Epoch 14 Macro-Averaged F1: 0.7921957309460734  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 15 Macro-Averaged F1: 0.7773308089255423  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 16 Macro-Averaged F1: 0.7691066998928444  
Validation Macro-Averaged F1: 0.8016982499741121  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.002

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 1 Macro-Averaged F1: 0.3910452024331028  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 2 Macro-Averaged F1: 0.45926506646018833  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 3 Macro-Averaged F1: 0.6016638195159456  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 4 Macro-Averaged F1: 0.6537248924264843  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 5 Macro-Averaged F1: 0.7363465220137654  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 6 Macro-Averaged F1: 0.7210590349879068  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 7 Macro-Averaged F1: 0.7230368198110133  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 8 Macro-Averaged F1: 0.7438580802725939  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 9 Macro-Averaged F1: 0.7705691327268696  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 10 Macro-Averaged F1: 0.7690728505618352  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 11 Macro-Averaged F1: 0.7657632863805391  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 12 Macro-Averaged F1: 0.7819744880995044  
100%|██████████| 94/94 [00:06<00:00, 13.89it/s]  
Epoch 13 Macro-Averaged F1: 0.8083536332864464  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 14 Macro-Averaged F1: 0.7944603035243949  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 15 Macro-Averaged F1: 0.7759655549129233  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 16 Macro-Averaged F1: 0.7959409315774358  
Validation Macro-Averaged F1: 0.7577802314644421  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.002

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 1 Macro-Averaged F1: 0.3873401520158786  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 2 Macro-Averaged F1: 0.4417293233082707  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.5506267107030675  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.6653317485434274

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 5 Macro-Averaged F1: 0.684099055066797  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 6 Macro-Averaged F1: 0.7404615248683779  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 7 Macro-Averaged F1: 0.7539791599068968  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 8 Macro-Averaged F1: 0.7511093506883327  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 9 Macro-Averaged F1: 0.7465413134111195  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 10 Macro-Averaged F1: 0.7692864205875359  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 11 Macro-Averaged F1: 0.7759589069933898  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 12 Macro-Averaged F1: 0.7968665928153188  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 13 Macro-Averaged F1: 0.8112434612718219  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 14 Macro-Averaged F1: 0.7944796220876219  
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]  
Epoch 15 Macro-Averaged F1: 0.799540569148708  
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]  
Epoch 16 Macro-Averaged F1: 0.8241886792474583  
Validation Macro-Averaged F1: 0.8041797611565054  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 1 Macro-Averaged F1: 0.3793741541690833  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 2 Macro-Averaged F1: 0.46489792293149607  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 3 Macro-Averaged F1: 0.5286369712040517  
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]  
Epoch 4 Macro-Averaged F1: 0.6600894090766558  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 5 Macro-Averaged F1: 0.6726519653333943  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 6 Macro-Averaged F1: 0.6973161389738601  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 7 Macro-Averaged F1: 0.7296793061472618  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 8 Macro-Averaged F1: 0.7385927505330491  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 9 Macro-Averaged F1: 0.7555343961848027  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 10 Macro-Averaged F1: 0.7133353690309624  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 11 Macro-Averaged F1: 0.75072435306306  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 12 Macro-Averaged F1: 0.7671276816258229  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 13 Macro-Averaged F1: 0.7990473495566874  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]

Epoch 14 Macro-Averaged F1: 0.7987951497722651  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 15 Macro-Averaged F1: 0.7791585679647173  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 16 Macro-Averaged F1: 0.7675202192911036  
Validation Macro-Averaged F1: 0.8004834102395079  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 1 Macro-Averaged F1: 0.3842268842268843  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 2 Macro-Averaged F1: 0.5071332220831596  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 3 Macro-Averaged F1: 0.6189470149072358  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 4 Macro-Averaged F1: 0.6919955802240724  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 5 Macro-Averaged F1: 0.6925026612361947  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 6 Macro-Averaged F1: 0.7067160493827161  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 7 Macro-Averaged F1: 0.7080793402520907  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 8 Macro-Averaged F1: 0.7455130520749336  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 9 Macro-Averaged F1: 0.7412622448413945  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 10 Macro-Averaged F1: 0.7537914409244427  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 11 Macro-Averaged F1: 0.7660303675741069  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 12 Macro-Averaged F1: 0.7601750101750101  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 13 Macro-Averaged F1: 0.7941196471889812  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 14 Macro-Averaged F1: 0.7791495386863981  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 15 Macro-Averaged F1: 0.7689949702417954  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 16 Macro-Averaged F1: 0.7916113839349816  
Validation Macro-Averaged F1: 0.7309690622366679  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 1 Macro-Averaged F1: 0.3785403381348717  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 2 Macro-Averaged F1: 0.44415729552280503  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.4422051692805898  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 4 Macro-Averaged F1: 0.44692103071332023

100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 5 Macro-Averaged F1: 0.4701462831155101  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 6 Macro-Averaged F1: 0.5188660571674947  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 7 Macro-Averaged F1: 0.5734820101100209  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 8 Macro-Averaged F1: 0.6547506256914558  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 9 Macro-Averaged F1: 0.6801597442117413  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 10 Macro-Averaged F1: 0.7201147169293272  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 11 Macro-Averaged F1: 0.7063235379086995  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 12 Macro-Averaged F1: 0.7398413546075872  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 13 Macro-Averaged F1: 0.7610751189384791  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 14 Macro-Averaged F1: 0.7602661945986197  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 15 Macro-Averaged F1: 0.7642547644404267  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 16 Macro-Averaged F1: 0.7638137062511857  
Validation Macro-Averaged F1: 0.781413303373376  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.005

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.47it/s]  
Epoch 1 Macro-Averaged F1: 0.39619406170426724  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 2 Macro-Averaged F1: 0.5436986432582321  
100%|██████████| 47/47 [00:06<00:00, 7.47it/s]  
Epoch 3 Macro-Averaged F1: 0.6843737695675808  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 4 Macro-Averaged F1: 0.674363222497551  
100%|██████████| 47/47 [00:06<00:00, 7.47it/s]  
Epoch 5 Macro-Averaged F1: 0.6967216657482145  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 6 Macro-Averaged F1: 0.7178933130905687  
100%|██████████| 47/47 [00:06<00:00, 7.45it/s]  
Epoch 7 Macro-Averaged F1: 0.7562230335214073  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 8 Macro-Averaged F1: 0.7582629683316328  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 9 Macro-Averaged F1: 0.7624452485240907  
100%|██████████| 47/47 [00:06<00:00, 7.47it/s]  
Epoch 10 Macro-Averaged F1: 0.7602989342050087  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 11 Macro-Averaged F1: 0.7831485718667377  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 12 Macro-Averaged F1: 0.7596222738757885  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 13 Macro-Averaged F1: 0.7871533281849098  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]

Epoch 14 Macro-Averaged F1: 0.8092046361156201  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 15 Macro-Averaged F1: 0.7994676369984672  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 16 Macro-Averaged F1: 0.8124198503231993  
Validation Macro-Averaged F1: 0.7571245186136072  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.89it/s]  
Epoch 1 Macro-Averaged F1: 0.3815524649975317  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 2 Macro-Averaged F1: 0.44907802151426685  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 3 Macro-Averaged F1: 0.47462775353114334  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 4 Macro-Averaged F1: 0.560692271218587  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 5 Macro-Averaged F1: 0.630459718043488  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 6 Macro-Averaged F1: 0.6997754495147612  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 7 Macro-Averaged F1: 0.7140059940059941  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 8 Macro-Averaged F1: 0.7184923063981281  
100%|██████████| 94/94 [00:06<00:00, 13.74it/s]  
Epoch 9 Macro-Averaged F1: 0.7528118092012616  
100%|██████████| 94/94 [00:06<00:00, 13.71it/s]  
Epoch 10 Macro-Averaged F1: 0.7170918945256775  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 11 Macro-Averaged F1: 0.75660577722303  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 12 Macro-Averaged F1: 0.7783887840928765  
100%|██████████| 94/94 [00:06<00:00, 13.75it/s]  
Epoch 13 Macro-Averaged F1: 0.7537577898394646  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 14 Macro-Averaged F1: 0.755537934126275  
100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 15 Macro-Averaged F1: 0.7919565939939455  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 16 Macro-Averaged F1: 0.781464078022354  
Validation Macro-Averaged F1: 0.762990884454299  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.3929760190109887  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.5092652852046001  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 3 Macro-Averaged F1: 0.597187125426328  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.6666690663739024

100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 5 Macro-Averaged F1: 0.7395120602667773  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 6 Macro-Averaged F1: 0.7364862675867462  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 7 Macro-Averaged F1: 0.7503840739808522  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 8 Macro-Averaged F1: 0.7678682169219514  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 9 Macro-Averaged F1: 0.7866723386276457  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 10 Macro-Averaged F1: 0.8040520906374565  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 11 Macro-Averaged F1: 0.8211626757081302  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 12 Macro-Averaged F1: 0.7902903325730056  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 13 Macro-Averaged F1: 0.7905810944464767  
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]  
Epoch 14 Macro-Averaged F1: 0.7806125422394447  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 15 Macro-Averaged F1: 0.7993582084979934  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 16 Macro-Averaged F1: 0.8217211122211121  
Validation Macro-Averaged F1: 0.7871684674596208

-----  
Dropout probability: 0.15  
Epochs: 16

Learning rate: 0.0001

Batch size: 8

100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 1 Macro-Averaged F1: 0.3761484742516965  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 2 Macro-Averaged F1: 0.32471341773667356  
100%|██████████| 47/47 [00:06<00:00, 7.46it/s]  
Epoch 3 Macro-Averaged F1: 0.3654593401494915  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 4 Macro-Averaged F1: 0.40208265666676507  
100%|██████████| 47/47 [00:06<00:00, 7.44it/s]  
Epoch 5 Macro-Averaged F1: 0.43887377784312287  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 6 Macro-Averaged F1: 0.43781818181818183  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 7 Macro-Averaged F1: 0.44633761550597245  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 8 Macro-Averaged F1: 0.4454887218045114  
100%|██████████| 47/47 [00:06<00:00, 7.43it/s]  
Epoch 9 Macro-Averaged F1: 0.4501898092476009  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 10 Macro-Averaged F1: 0.4501788974078131  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 11 Macro-Averaged F1: 0.44906987031733836  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 12 Macro-Averaged F1: 0.45710227934157527  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]  
Epoch 13 Macro-Averaged F1: 0.4457351158552006  
100%|██████████| 47/47 [00:06<00:00, 7.41it/s]

Epoch 14 Macro-Averaged F1: 0.4675886427359432  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 15 Macro-Averaged F1: 0.4654218862087953  
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]  
Epoch 16 Macro-Averaged F1: 0.5290538638215899  
Validation Macro-Averaged F1: 0.5848484848484848

-----  
Dropout probability: 0.15

Epochs: 16

Learning rate: 0.0001

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.76it/s]  
Epoch 1 Macro-Averaged F1: 0.23341473341473343  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 2 Macro-Averaged F1: 0.37097911638900993  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 3 Macro-Averaged F1: 0.40594962598784345  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 4 Macro-Averaged F1: 0.42965908986291784  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 5 Macro-Averaged F1: 0.4270161569932737  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 6 Macro-Averaged F1: 0.44311631736924584  
100%|██████████| 94/94 [00:06<00:00, 13.77it/s]  
Epoch 7 Macro-Averaged F1: 0.4472026774185047  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 8 Macro-Averaged F1: 0.45584519897772907  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 9 Macro-Averaged F1: 0.4657730548535966  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 10 Macro-Averaged F1: 0.4576655052264808  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 11 Macro-Averaged F1: 0.4616850768897553  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 12 Macro-Averaged F1: 0.47084822357100986  
100%|██████████| 94/94 [00:06<00:00, 13.81it/s]  
Epoch 13 Macro-Averaged F1: 0.4803823178016726  
100%|██████████| 94/94 [00:06<00:00, 13.78it/s]  
Epoch 14 Macro-Averaged F1: 0.5308923036015423  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 15 Macro-Averaged F1: 0.5666504074954779  
100%|██████████| 94/94 [00:06<00:00, 13.82it/s]  
Epoch 16 Macro-Averaged F1: 0.6008017784649436  
Validation Macro-Averaged F1: 0.7770856404577335

-----  
Dropout probability: 0.15

Epochs: 16

Learning rate: 0.0001

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 1 Macro-Averaged F1: 0.2269339242546334  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 2 Macro-Averaged F1: 0.27599243856332706  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 3 Macro-Averaged F1: 0.3455960382030421  
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]  
Epoch 4 Macro-Averaged F1: 0.36095334972168064



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100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 5 Macro-Averaged F1: 0.400585733771965
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 6 Macro-Averaged F1: 0.4202270501895316
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 7 Macro-Averaged F1: 0.42247286683383267
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 8 Macro-Averaged F1: 0.4248148148148148
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 9 Macro-Averaged F1: 0.438015098944531
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 10 Macro-Averaged F1: 0.4347878787878788
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 11 Macro-Averaged F1: 0.44448419797257005
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 12 Macro-Averaged F1: 0.44033942904573103
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]
Epoch 13 Macro-Averaged F1: 0.4449886169016007
100%|██████████| 24/24 [00:06<00:00, 3.62it/s]
Epoch 14 Macro-Averaged F1: 0.4559236384053902
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 15 Macro-Averaged F1: 0.44243127873158833
100%|██████████| 24/24 [00:06<00:00, 3.63it/s]
Epoch 16 Macro-Averaged F1: 0.46215780998389694
Validation Macro-Averaged F1: 0.44760312151616494
-----
```

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.0005

Batch size: 8

```
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]
Epoch 1 Macro-Averaged F1: 0.3417053013505342
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]
Epoch 2 Macro-Averaged F1: 0.4216931216931217
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]
Epoch 3 Macro-Averaged F1: 0.45169082125603865
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]
Epoch 4 Macro-Averaged F1: 0.4871058765795608
100%|██████████| 47/47 [00:06<00:00, 7.39it/s]
Epoch 5 Macro-Averaged F1: 0.5828783915426515
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]
Epoch 6 Macro-Averaged F1: 0.6302405214675234
100%|██████████| 47/47 [00:06<00:00, 7.37it/s]
Epoch 7 Macro-Averaged F1: 0.6589875822808363
100%|██████████| 47/47 [00:06<00:00, 7.36it/s]
Epoch 8 Macro-Averaged F1: 0.6894649566751015
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]
Epoch 9 Macro-Averaged F1: 0.6710734175966028
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]
Epoch 10 Macro-Averaged F1: 0.7268381123058543
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]
Epoch 11 Macro-Averaged F1: 0.7123155031337101
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]
Epoch 12 Macro-Averaged F1: 0.7130299888790455
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]
Epoch 13 Macro-Averaged F1: 0.7418080058656314
100%|██████████| 47/47 [00:06<00:00, 7.40it/s]
```

Epoch 14 Macro-Averaged F1: 0.743881626724764  
100%|██████████| 47/47 [00:06<00:00, 7.38it/s]  
Epoch 15 Macro-Averaged F1: 0.7549245571763575  
100%|██████████| 47/47 [00:06<00:00, 7.42it/s]  
Epoch 16 Macro-Averaged F1: 0.7784950233368232  
Validation Macro-Averaged F1: 0.781413303373376  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.0005

Batch size: 4

100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 1 Macro-Averaged F1: 0.3695652173913044  
100%|██████████| 94/94 [00:06<00:00, 13.87it/s]  
Epoch 2 Macro-Averaged F1: 0.45040011946486763  
100%|██████████| 94/94 [00:06<00:00, 13.80it/s]  
Epoch 3 Macro-Averaged F1: 0.5303950017971658  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 4 Macro-Averaged F1: 0.5715214841282731  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 5 Macro-Averaged F1: 0.6405819313701948  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 6 Macro-Averaged F1: 0.6734057365636312  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 7 Macro-Averaged F1: 0.6900173354931652  
100%|██████████| 94/94 [00:06<00:00, 13.79it/s]  
Epoch 8 Macro-Averaged F1: 0.7061425848672047  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 9 Macro-Averaged F1: 0.7105006105006105  
100%|██████████| 94/94 [00:06<00:00, 13.84it/s]  
Epoch 10 Macro-Averaged F1: 0.7559152925970073  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 11 Macro-Averaged F1: 0.7411189519967895  
100%|██████████| 94/94 [00:06<00:00, 13.83it/s]  
Epoch 12 Macro-Averaged F1: 0.7389077418796174  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 13 Macro-Averaged F1: 0.7724413334002375  
100%|██████████| 94/94 [00:06<00:00, 13.86it/s]  
Epoch 14 Macro-Averaged F1: 0.7496377253644111  
100%|██████████| 94/94 [00:06<00:00, 13.93it/s]  
Epoch 15 Macro-Averaged F1: 0.7753785212093905  
100%|██████████| 94/94 [00:06<00:00, 13.85it/s]  
Epoch 16 Macro-Averaged F1: 0.754087777684556  
Validation Macro-Averaged F1: 0.7840147840147841  
-----

Dropout probability: 0.15

Epochs: 16

Learning rate: 0.0005

Batch size: 16

100%|██████████| 24/24 [00:06<00:00, 3.67it/s]  
Epoch 1 Macro-Averaged F1: 0.35327305046757856  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 2 Macro-Averaged F1: 0.39412583315022337  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 3 Macro-Averaged F1: 0.4320956440078018  
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]  
Epoch 4 Macro-Averaged F1: 0.4359237884417741

```
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 5 Macro-Averaged F1: 0.4479326966247092
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 6 Macro-Averaged F1: 0.4909094283445549
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 7 Macro-Averaged F1: 0.5270567832563314
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 8 Macro-Averaged F1: 0.6140485877463701
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 9 Macro-Averaged F1: 0.6473548202958604
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 10 Macro-Averaged F1: 0.6539738214266516
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 11 Macro-Averaged F1: 0.6793515892538086
100%|██████████| 24/24 [00:06<00:00, 3.66it/s]
Epoch 12 Macro-Averaged F1: 0.6827016944442302
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 13 Macro-Averaged F1: 0.7049425456070594
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 14 Macro-Averaged F1: 0.7096413041508455
100%|██████████| 24/24 [00:06<00:00, 3.64it/s]
Epoch 15 Macro-Averaged F1: 0.7256449383182634
100%|██████████| 24/24 [00:06<00:00, 3.65it/s]
Epoch 16 Macro-Averaged F1: 0.7291712037565835
Validation Macro-Averaged F1: 0.7748567878668412
-----
Best f1: 0.8585753000387147
Best dropout: 0.2
Best num epochs: 16
Best learning rate: 0.005
Best batch size: 8
```

	precision	recall	f1-score	support
0.0	0.92	0.73	0.81	45
1.0	0.53	0.82	0.64	22
2.0	0.73	0.57	0.64	14
accuracy			0.73	81
macro avg	0.72	0.71	0.70	81
weighted avg	0.78	0.73	0.74	81

```
[[33 10  2]
 [ 3 18  1]
 [ 0  6  8]]
```