Namespace(seeds=[1], dataset='ogbn-mag', gpu=0, cpu=False, root='../data/', stages=[300, 300, 300, 300], emb_path='../data/', extra_embedding='', embed_size=256, num_hops=2, label_feats=True, num_label_hops=2, hidden=512, dropout=0.5, n_layers_1=2, n_layers_2=2, n_layers_3=4, input_drop=0.1, att_drop=0.0, label_drop=0.0, residual=True, act='leaky_relu', bns=True, label_bns=True, amp=True, lr=0.001, weight_decay=0.0, eval_every=1, batch_size=10000, patience=100, threshold=0.75, gama=10.0, start_stage=0, reload='')
Restart with seed = 1
Test

author torch.Size([1134649, 256])
field_of_study torch.Size([59965, 256])
institution torch.Size([8740, 256])
paper torch.Size([736389, 128])
('author', 'affiliated_with', 'institution') SparseTensor(row=tensor([0,   0,   0, ..., 8739, 8739, 8739]),
        col=tensor([164492, 187667, 199995, ..., 1124533, 1124549, 1132997]),
        size=(8740, 1134649), nnz=1043998, density=0.01%)
('author', 'writes', 'paper') SparseTensor(row=tensor([0,   0,   0, ..., 736388, 736388, 736388]),
        col=tensor([16626,   19247,   20846, ..., 249015, 912871, 1029433]),
        size=(736389, 1134649), nnz=7145660, density=0.00%)
('paper', 'cites', 'paper') SparseTensor(row=tensor([0,   0,   1, ..., 736388, 736388, 736388]),
        col=tensor([88, 368076,   7235, ..., 707740, 732008, 732389]),
        size=(736389, 736389), nnz=5416271, density=0.00%)
('paper', 'has_topic', 'field_of_study') SparseTensor(row=tensor([0,   0,   0, ..., 59962, 59963, 59964]),
        col=tensor([222683, 370067, 430465, ..., 38176, 514545, 334613]),
        size=(59965, 736389), nnz=7505078, density=0.02%)
Current num hops = 2
Involved feat keys ['P', 'PA', 'PF', 'PP', 'PAI', 'PAP', 'PFP', 'PPA', 'PPF', 'PPP']
Time used for feat prop 0:00:29.781347
./output/ogbn-mag/0ad0a7eab3da4107a4a530dab6ea5c30
Current num label hops = 2
Involved label keys ['P', 'PP', 'PAP', 'PFP', 'PPP']
PPP tensor(10564) tensor(-8.9407e-08)
PAP tensor(14858) tensor(-5.9605e-08)
PFP tensor(0) tensor(6.7899e-06)
PP tensor(0.4140) tensor(0.3447) tensor(0.3275) tensor(4.7541) tensor(5.4032) tensor(5.5384) tensor(20.0875) tensor(26.3943) tensor(12.0133) tensor(14.1620)
PAP tensor(0.4168) tensor(0.3520) tensor(0.3377) tensor(3.9209) tensor(4.6239) tensor(4.8367) tensor(18.3874) tensor(23.4129) tensor(15.2021) tensor(18.9330)
PFP tensor(0.2873) tensor(0.2295) tensor(0.2414) tensor(3.1708) tensor(3.3180) tensor(3.2456) tensor(25.2222) tensor(19.0283) tensor(4.4371) tensor(2.3031)

PPP tensor(0.4024) tensor(0.3490) tensor(0.3438) tensor(3.2265) tensor(3.1920)
tensor(3.1365) tensor(15.2862) tensor(17.0252) tensor(-1.0836) tensor(-2.8725)
{'PPP', 'PP', 'PFP', 'PAP'}
tensor(0.6375)
tensor(0.5658)
tensor(0.5563)
label_emb tensor(0.4635) tensor(0.3942) tensor(0.3842) tensor(2.0795) tensor(2.3556)
tensor(2.3978) tensor(17.5622) tensor(20.6346) tensor(11.7225) tensor(13.2776)
{'label_emb'}
tensor(0.4635)
tensor(0.3942)
tensor(0.3842)
SeHGNN_mag(
  (embedings): ParameterDict(
      (P): Parameter containing: [torch.cuda.FloatTensor of size 128x256 (GPU 0)]
      (PP): Parameter containing: [torch.cuda.FloatTensor of size 128x256 (GPU 0)]
      (PAP): Parameter containing: [torch.cuda.FloatTensor of size 128x256 (GPU 0)]
      (PFP): Parameter containing: [torch.cuda.FloatTensor of size 128x256 (GPU 0)]
      (PPP): Parameter containing: [torch.cuda.FloatTensor of size 128x256 (GPU 0)]
)
  (feat_project_layers): Sequential(
    (0): Conv1d1x1()
    (1): LayerNorm((10, 512), eps=1e-05, elementwise_affine=True)
    (2): PReLU(num_parameters=1)
    (3): Dropout(p=0.5, inplace=False)
    (4): Conv1d1x1()
    (5): LayerNorm((10, 512), eps=1e-05, elementwise_affine=True)
    (6): PReLU(num_parameters=1)
    (7): Dropout(p=0.5, inplace=False)
)
  (semantic_aggr_layers): Transformer(
    (query): Linear(in_features=512, out_features=128, bias=True)
    (key): Linear(in_features=512, out_features=128, bias=True)
    (value): Linear(in_features=512, out_features=512, bias=True)
    (att_drop): Dropout(p=0.0, inplace=False)
    (act): LeakyReLU(negative_slope=0.2)
)
  (concat_project_layer): Linear(in_features=5120, out_features=512, bias=True)
  (res_fc): Linear(in_features=256, out_features=512, bias=False)
  (lr_output): Sequential(
    (0): Linear(in_features=512, out_features=512, bias=False)
    (1): BatchNorm1d(512, eps=1e-05, momentum=0.1, affine=True, track_running_stats=True)
    (2): PReLU(num_parameters=1)
    (3): Dropout(p=0.5, inplace=False)

```
    (4): Linear(in_features=512, out_features=349, bias=False)
    (5): BatchNorm1d(349, eps=1e-05, momentum=0.1, affine=True, track_running_stats=True)
  )
  (label_fc): Sequential(
    (0): Linear(in_features=349, out_features=512, bias=False)
    (1): BatchNorm1d(512, eps=1e-05, momentum=0.1, affine=True, track_running_stats=True)
    (2): PReLU(num_parameters=1)
    (3): Dropout(p=0.5, inplace=False)
    (4): Linear(in_features=512, out_features=512, bias=False)
    (5): BatchNorm1d(512, eps=1e-05, momentum=0.1, affine=True, track_running_stats=True)
    (6): PReLU(num_parameters=1)
    (7): Dropout(p=0.5, inplace=False)
    (8): Linear(in_features=512, out_features=512, bias=False)
    (9): BatchNorm1d(512, eps=1e-05, momentum=0.1, affine=True, track_running_stats=True)
    (10): PReLU(num_parameters=1)
    (11): Dropout(p=0.5, inplace=False)
    (12): Linear(in_features=512, out_features=349, bias=True)
  )
  (label_drop): Dropout(p=0.0, inplace=False)
  (prelu): PReLU(num_parameters=1)
  (dropout): Dropout(p=0.5, inplace=False)
  (input_drop): Dropout(p=0.1, inplace=False)
)
# Params: 8601375
Epoch 0, Time(s): 19.6263, estimated train loss 3.3876, acc 33.7223
Time: 1.3870580196380615, Val loss: 2.5197410583496094, Test loss: 2.5605781078338623
Val acc: 43.7399, Test acc: 43.4655
Best Epoch 0,Val 43.7399, Test 43.4655
Epoch 1, Time(s): 13.9931, estimated train loss 2.3233, acc 44.6730
Time: 1.0252583026885986, Val loss: 2.0111379623413086, Test loss: 2.0402445793151855
Val acc: 48.2375, Test acc: 47.3640
Best Epoch 1,Val 48.2375, Test 47.3640
Epoch 2, Time(s): 14.0392, estimated train loss 2.0775, acc 48.2328
Time: 1.0427348613739014, Val loss: 1.8889808654785156, Test loss: 1.91544508934021
Val acc: 49.6971, Test acc: 48.8471
Best Epoch 2,Val 49.6971, Test 48.8471
Epoch 3, Time(s): 14.4317, estimated train loss 1.9478, acc 50.1975
Time: 1.15574049949646, Val loss: 1.8340281248092651, Test loss: 1.860926866531372
Val acc: 50.4354, Test acc: 49.3717
Best Epoch 3,Val 50.4354, Test 49.3717
Epoch 4, Time(s): 14.4597, estimated train loss 1.8654, acc 51.5052
Time: 1.126502513885498, Val loss: 1.7993860244750977, Test loss: 1.8310667276382446
Val acc: 50.6173, Test acc: 49.2859
Best Epoch 4,Val 50.6173, Test 49.2859
```

Epoch 5, Time(s): 14.4945, estimated train loss 1.8090, acc 52.3355
Time: 1.1140263080596924, Val loss: 1.761254072189331, Test loss: 1.7974841594696045
Val acc: 51.4866, Test acc: 50.0656
Best Epoch 5,Val 51.4866, Test 50.0656
Epoch 6, Time(s): 14.2274, estimated train loss 1.7649, acc 53.0393
Time: 1.0565791130065918, Val loss: 1.7292685508728027, Test loss: 1.7637666463851929
Val acc: 51.9706, Test acc: 50.4471
Best Epoch 6,Val 51.9706, Test 50.4471
Epoch 7, Time(s): 14.1774, estimated train loss 1.7315, acc 53.6491
Time: 1.074366569519043, Val loss: 1.7113151550292969, Test loss: 1.751867651939392
Val acc: 52.3513, Test acc: 50.7213
Best Epoch 7,Val 52.3513, Test 50.7213
Epoch 8, Time(s): 14.4599, estimated train loss 1.6998, acc 54.2358
Time: 1.1238982677459717, Val loss: 1.70810866355896, Test loss: 1.7426153421401978
Val acc: 52.3436, Test acc: 50.6712
Best Epoch 7,Val 52.3513, Test 50.7213
Epoch 9, Time(s): 14.5561, estimated train loss 1.6750, acc 54.6008
Time: 1.155595064163208, Val loss: 1.6979920864105225, Test loss: 1.7367511987686157
Val acc: 52.4946, Test acc: 50.9502
Best Epoch 9,Val 52.4946, Test 50.9502
Epoch 10, Time(s): 14.5294, estimated train loss 1.6524, acc 54.9959
Time: 1.1501586437225342, Val loss: 1.6625972986221313, Test loss: 1.702636957168579
Val acc: 53.3085, Test acc: 51.6154
Best Epoch 10,Val 53.3085, Test 51.6154
Epoch 11, Time(s): 14.3696, estimated train loss 1.6339, acc 55.3409
Time: 1.0917487144470215, Val loss: 1.6459691524505615, Test loss: 1.68863653659820557
Val acc: 53.6768, Test acc: 51.9588
Best Epoch 11,Val 53.6768, Test 51.9588
Epoch 12, Time(s): 14.1537, estimated train loss 1.6156, acc 55.6417
Time: 1.0482478141784668, Val loss: 1.649801254272461, Test loss: 1.6907036304473877
Val acc: 53.3254, Test acc: 51.5296
Best Epoch 11,Val 53.6768, Test 51.9588
Epoch 13, Time(s): 14.4923, estimated train loss 1.6015, acc 55.8391
Time: 1.0897278785705566, Val loss: 1.635006070137024, Test loss: 1.6789376735687256
Val acc: 53.7616, Test acc: 51.8253
Best Epoch 13,Val 53.7616, Test 51.8253
Epoch 14, Time(s): 14.5948, estimated train loss 1.5879, acc 56.1474
Time: 1.1469173431396484, Val loss: 1.6270424127578735, Test loss: 1.668809175491333
Val acc: 53.7154, Test acc: 52.1496
Best Epoch 13,Val 53.7616, Test 51.8253
Epoch 15, Time(s): 14.4738, estimated train loss 1.5747, acc 56.3355
Time: 1.059934377670288, Val loss: 1.6231743097305298, Test loss: 1.657759666442871
Val acc: 53.9651, Test acc: 52.2878
Best Epoch 15,Val 53.9651, Test 52.2878

Epoch 16, Time(s): 14.4778, estimated train loss 1.5636, acc 56.5712
Time: 1.1562950611114502, Val loss: 1.616134762763977, Test loss: 1.648768663406372
Val acc: 53.9897, Test acc: 52.4166
Best Epoch 16,Val 53.9897, Test 52.4166
Epoch 17, Time(s): 14.3173, estimated train loss 1.5519, acc 56.8039
Time: 1.091188907623291, Val loss: 1.6152760982513428, Test loss: 1.655029535293579
Val acc: 53.9188, Test acc: 52.2115
Best Epoch 16,Val 53.9897, Test 52.4166
Epoch 18, Time(s): 14.4999, estimated train loss 1.5421, acc 56.9467
Time: 1.103389024734497, Val loss: 1.6327922344207764, Test loss: 1.6728358268737793
Val acc: 53.3994, Test acc: 51.4748
Best Epoch 16,Val 53.9897, Test 52.4166
Epoch 19, Time(s): 14.6340, estimated train loss 1.5304, acc 57.1955
Time: 1.1372044086456299, Val loss: 1.6084144115447998, Test loss: 1.656537413597107
Val acc: 53.9558, Test acc: 52.0446
Best Epoch 16,Val 53.9897, Test 52.4166
Epoch 20, Time(s): 14.6837, estimated train loss 1.5211, acc 57.3195
Time: 1.138695240020752, Val loss: 1.6088852882385254, Test loss: 1.6492079496383667
Val acc: 53.9358, Test acc: 52.1639
Best Epoch 16,Val 53.9897, Test 52.4166
Epoch 21, Time(s): 14.6319, estimated train loss 1.5125, acc 57.4971
Time: 1.1588609218597412, Val loss: 1.5955235958099365, Test loss: 1.6322892904281616
Val acc: 54.3165, Test acc: 52.7409
Best Epoch 21,Val 54.3165, Test 52.7409
Epoch 22, Time(s): 14.4911, estimated train loss 1.5047, acc 57.6383
Time: 1.149184226989746, Val loss: 1.5879642963409424, Test loss: 1.6296898126602173
Val acc: 54.5122, Test acc: 52.8506
Best Epoch 22,Val 54.5122, Test 52.8506
Epoch 23, Time(s): 14.4178, estimated train loss 1.4973, acc 57.7652
Time: 1.0593585968017578, Val loss: 1.5987247228622437, Test loss: 1.6337047815322876
Val acc: 54.1069, Test acc: 52.4166
Best Epoch 22,Val 54.5122, Test 52.8506
Epoch 24, Time(s): 14.5107, estimated train loss 1.4879, acc 57.9604
Time: 1.1464409828186035, Val loss: 1.5941752195358276, Test loss: 1.6340364217758179
Val acc: 54.2456, Test acc: 52.6646
Best Epoch 22,Val 54.5122, Test 52.8506
Epoch 25, Time(s): 14.5321, estimated train loss 1.4813, acc 58.1061
Time: 1.1668086051940918, Val loss: 1.5988731384277344, Test loss: 1.637087106704712
Val acc: 54.0236, Test acc: 52.5334
Best Epoch 22,Val 54.5122, Test 52.8506
Epoch 26, Time(s): 14.5813, estimated train loss 1.4747, acc 58.2468
Time: 1.106764554977417, Val loss: 1.5761477947235107, Test loss: 1.6175110340118408
Val acc: 54.7774, Test acc: 52.9316
Best Epoch 26,Val 54.7774, Test 52.9316

Epoch 27, Time(s): 14.6515, estimated train loss 1.4680, acc 58.4109
Time: 1.1435434818267822, Val loss: 1.5648802518844604, Test loss: 1.6119762659072876
Val acc: 54.7820, Test acc: 53.1820
Best Epoch 27,Val 54.7820, Test 53.1820
Epoch 28, Time(s): 14.3008, estimated train loss 1.4624, acc 58.4387
Time: 1.07818603515625, Val loss: 1.5757052898406982, Test loss: 1.6242374181747437
Val acc: 54.6556, Test acc: 52.7957
Best Epoch 27,Val 54.7820, Test 53.1820
Epoch 29, Time(s): 14.4897, estimated train loss 1.4537, acc 58.6665
Time: 1.1307604312896729, Val loss: 1.5804897546768188, Test loss: 1.6176360845565796
Val acc: 54.5585, Test acc: 53.0890
Best Epoch 27,Val 54.7820, Test 53.1820
Epoch 30, Time(s): 14.6418, estimated train loss 1.4478, acc 58.7815
Time: 1.1427702903747559, Val loss: 1.5797786712646484, Test loss: 1.6209723949432373
Val acc: 54.4429, Test acc: 52.7671
Best Epoch 27,Val 54.7820, Test 53.1820
Epoch 31, Time(s): 14.5609, estimated train loss 1.4411, acc 58.8210
Time: 1.1767194271087646, Val loss: 1.5610356330871582, Test loss: 1.6050549745559692
Val acc: 54.9315, Test acc: 53.1510
Best Epoch 31,Val 54.9315, Test 53.1510
Epoch 32, Time(s): 14.5491, estimated train loss 1.4350, acc 58.9498
Time: 1.1193616390228271, Val loss: 1.5610644817352295, Test loss: 1.5991872549057007
Val acc: 54.9392, Test acc: 53.2535
Best Epoch 32,Val 54.9392, Test 53.2535
Epoch 33, Time(s): 14.3489, estimated train loss 1.4294, acc 59.0742
Time: 1.1544158458709717, Val loss: 1.5723263025283813, Test loss: 1.611249566078186
Val acc: 54.6494, Test acc: 52.8816
Best Epoch 32,Val 54.9392, Test 53.2535
Epoch 34, Time(s): 14.2658, estimated train loss 1.4257, acc 59.1705
Time: 1.0691988468170166, Val loss: 1.5657925605773926, Test loss: 1.609201431274414
Val acc: 54.9145, Test acc: 53.3131
Best Epoch 32,Val 54.9392, Test 53.2535
Epoch 35, Time(s): 14.2983, estimated train loss 1.4196, acc 59.2977
Time: 1.1132771968841553, Val loss: 1.5700511932373047, Test loss: 1.6088230609893799
Val acc: 54.7249, Test acc: 53.1367
Best Epoch 32,Val 54.9392, Test 53.2535
Epoch 36, Time(s): 14.5713, estimated train loss 1.4137, acc 59.3503
Time: 1.138357400894165, Val loss: 1.5753167867660522, Test loss: 1.6185886859893799
Val acc: 54.5662, Test acc: 52.6789
Best Epoch 32,Val 54.9392, Test 53.2535
Epoch 37, Time(s): 14.5436, estimated train loss 1.4094, acc 59.4386
Time: 1.1496539115905762, Val loss: 1.5708004236221313, Test loss: 1.6095892190933228
Val acc: 54.7373, Test acc: 53.1129
Best Epoch 32,Val 54.9392, Test 53.2535

Epoch 38, Time(s): 14.5837, estimated train loss 1.4047, acc 59.5428
Time: 1.1876294612884521, Val loss: 1.5402451753616333, Test loss: 1.585301399230957
Val acc: 55.5187, Test acc: 54.0285
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 39, Time(s): 14.6242, estimated train loss 1.3986, acc 59.7548
Time: 1.1118972301483154, Val loss: 1.558139681816101, Test loss: 1.6003109216690063
Val acc: 54.9700, Test acc: 53.4562
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 40, Time(s): 14.3537, estimated train loss 1.3948, acc 59.7955
Time: 1.054764747619629, Val loss: 1.5478625297546387, Test loss: 1.587996482849121
Val acc: 55.3338, Test acc: 53.7066
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 41, Time(s): 14.6086, estimated train loss 1.3888, acc 59.9032
Time: 1.094008207321167, Val loss: 1.5541762113571167, Test loss: 1.59961569309923462
Val acc: 55.1827, Test acc: 53.5349
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 42, Time(s): 14.8517, estimated train loss 1.3836, acc 59.9913
Time: 1.1515603065490723, Val loss: 1.5541490316390991, Test loss: 1.5953730344772339
Val acc: 55.1534, Test acc: 53.4586
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 43, Time(s): 14.6578, estimated train loss 1.3810, acc 60.1322
Time: 1.168327808380127, Val loss: 1.5579307079315186, Test loss: 1.6072087287902832
Val acc: 55.0332, Test acc: 53.2249
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 44, Time(s): 14.5945, estimated train loss 1.3767, acc 60.1762
Time: 1.1072282791137695, Val loss: 1.5614713430404663, Test loss: 1.6081289052963257
Val acc: 54.9222, Test acc: 53.2297
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 45, Time(s): 14.4338, estimated train loss 1.3712, acc 60.2274
Time: 1.0941178798675537, Val loss: 1.5513043403625488, Test loss: 1.5973150730133057
Val acc: 55.1750, Test acc: 53.3108
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 46, Time(s): 14.2504, estimated train loss 1.3688, acc 60.2885
Time: 1.1099052429199219, Val loss: 1.5506675243377686, Test loss: 1.5960707664489746
Val acc: 55.1935, Test acc: 53.3251
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 47, Time(s): 14.5487, estimated train loss 1.3643, acc 60.4068
Time: 1.1029698848724365, Val loss: 1.5484561920166016, Test loss: 1.593030333518982
Val acc: 55.1904, Test acc: 53.2941
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 48, Time(s): 14.6218, estimated train loss 1.3595, acc 60.4929
Time: 1.1671116352081299, Val loss: 1.5430729389190674, Test loss: 1.5921640396118164
Val acc: 55.3923, Test acc: 53.5778
Best Epoch 38,Val 55.5187, Test 54.0285

Epoch 49, Time(s): 14.5226, estimated train loss 1.3573, acc 60.5725
Time: 1.1350853443145752, Val loss: 1.549336552619934, Test loss: 1.5896875858306885
Val acc: 55.1581, Test acc: 53.7042
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 50, Time(s): 14.5323, estimated train loss 1.3511, acc 60.6832
Time: 1.1718709468841553, Val loss: 1.546295404434204, Test loss: 1.5918502807617188
Val acc: 55.2058, Test acc: 53.4729
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 51, Time(s): 14.4231, estimated train loss 1.3483, acc 60.7055
Time: 1.0823974609375, Val loss: 1.5515353679656982, Test loss: 1.593497395515442
Val acc: 55.1442, Test acc: 53.4300
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 52, Time(s): 14.3348, estimated train loss 1.3462, acc 60.7679
Time: 1.0424752235412598, Val loss: 1.5565704107284546, Test loss: 1.597511649131775
Val acc: 55.2028, Test acc: 53.5206
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 53, Time(s): 14.6060, estimated train loss 1.3415, acc 60.8557
Time: 1.1738557815551758, Val loss: 1.543355107307434, Test loss: 1.5881134271621704
Val acc: 55.5095, Test acc: 53.7733
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 54, Time(s): 14.6370, estimated train loss 1.3383, acc 61.0073
Time: 1.0949959754943848, Val loss: 1.5421539545059204, Test loss: 1.5806798934936523
Val acc: 55.4956, Test acc: 53.7757
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 55, Time(s): 14.5885, estimated train loss 1.3338, acc 61.0508
Time: 1.1796445846557617, Val loss: 1.5517271757125854, Test loss: 1.5918267965316772
Val acc: 55.1272, Test acc: 53.4920
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 56, Time(s): 14.5824, estimated train loss 1.3315, acc 61.0652
Time: 1.149616003036499, Val loss: 1.5558537244796753, Test loss: 1.5987523794174194
Val acc: 54.9284, Test acc: 53.1772
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 57, Time(s): 14.2411, estimated train loss 1.3278, acc 61.1486
Time: 1.1335389614105225, Val loss: 1.5472642183303833, Test loss: 1.5901055335998535
Val acc: 55.3523, Test acc: 53.6064
Best Epoch 38,Val 55.5187, Test 54.0285
Epoch 58, Time(s): 14.5554, estimated train loss 1.3254, acc 61.2188
Time: 1.0930347442626953, Val loss: 1.5383044481277466, Test loss: 1.584926962852478
Val acc: 55.6097, Test acc: 53.7948
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 59, Time(s): 14.6100, estimated train loss 1.3208, acc 61.3232
Time: 1.1374878883361816, Val loss: 1.5433458089828491, Test loss: 1.587327003479004
Val acc: 55.4478, Test acc: 53.5492
Best Epoch 58,Val 55.6097, Test 53.7948

Epoch 60, Time(s): 14.5303, estimated train loss 1.3180, acc 61.3537
Time: 1.128082513809204, Val loss: 1.5523537397384644, Test loss: 1.5957061052322388
Val acc: 54.9901, Test acc: 53.2249
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 61, Time(s): 14.4279, estimated train loss 1.3159, acc 61.4059
Time: 1.177910327911377, Val loss: 1.5490787029266357, Test loss: 1.5931342840194702
Val acc: 55.2968, Test acc: 53.4777
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 62, Time(s): 14.3588, estimated train loss 1.3122, acc 61.5498
Time: 1.065267562866211, Val loss: 1.547413945198059, Test loss: 1.591205358505249
Val acc: 55.3800, Test acc: 53.5325
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 63, Time(s): 14.4820, estimated train loss 1.3094, acc 61.5595
Time: 1.1063456535339355, Val loss: 1.5435192584991455, Test loss: 1.5915777683258057
Val acc: 55.3877, Test acc: 53.6255
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 64, Time(s): 14.7444, estimated train loss 1.3061, acc 61.5991
Time: 1.15022873878479, Val loss: 1.5354039669036865, Test loss: 1.577436089515686
Val acc: 55.6004, Test acc: 53.8902
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 65, Time(s): 14.6312, estimated train loss 1.3048, acc 61.7352
Time: 1.1023178100585938, Val loss: 1.5462747812271118, Test loss: 1.588964819908142
Val acc: 55.2413, Test acc: 53.6851
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 66, Time(s): 14.7525, estimated train loss 1.3025, acc 61.7262
Time: 1.125565767288208, Val loss: 1.5366841554641724, Test loss: 1.5814857482910156
Val acc: 55.5064, Test acc: 53.7566
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 67, Time(s): 14.3516, estimated train loss 1.2993, acc 61.7838
Time: 1.1850838661193848, Val loss: 1.5543826818466187, Test loss: 1.6060107946395874
Val acc: 55.1827, Test acc: 53.2106
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 68, Time(s): 14.3487, estimated train loss 1.2952, acc 61.8840
Time: 1.0253095626831055, Val loss: 1.5480328798294067, Test loss: 1.5862171649932861
Val acc: 55.3646, Test acc: 53.5182
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 69, Time(s): 14.4947, estimated train loss 1.2922, acc 61.8448
Time: 1.1748673915863037, Val loss: 1.5441640615463257, Test loss: 1.5835928916931152
Val acc: 55.2952, Test acc: 53.6231
Best Epoch 58,Val 55.6097, Test 53.7948
Epoch 70, Time(s): 14.6065, estimated train loss 1.2902, acc 61.9508
Time: 1.1288783550262451, Val loss: 1.5373367071151733, Test loss: 1.5835188627243042
Val acc: 55.4247, Test acc: 53.5683
Best Epoch 58,Val 55.6097, Test 53.7948

Epoch 71, Time(s): 14.5905, estimated train loss 1.2873, acc 62.0534
Time: 1.1557729244232178, Val loss: 1.5423954725265503, Test loss: 1.583971619606018
Val acc: 55.6374, Test acc: 53.5087
Best Epoch 71,Val 55.6374, Test 53.5087
Epoch 72, Time(s): 14.4195, estimated train loss 1.2859, acc 62.0511
Time: 1.1147353649139404, Val loss: 1.535770297050476, Test loss: 1.5763623714447021
Val acc: 55.7453, Test acc: 53.8139
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 73, Time(s): 14.2030, estimated train loss 1.2826, acc 62.0878
Time: 1.0736875534057617, Val loss: 1.5342568159103394, Test loss: 1.5749611854553223
Val acc: 55.6713, Test acc: 53.8282
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 74, Time(s): 14.4977, estimated train loss 1.2782, acc 62.2427
Time: 1.092911720275879, Val loss: 1.5410754680633545, Test loss: 1.5830366611480713
Val acc: 55.4324, Test acc: 53.5778
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 75, Time(s): 14.4831, estimated train loss 1.2774, acc 62.2438
Time: 1.1324198246002197, Val loss: 1.543167233467102, Test loss: 1.5842238664627075
Val acc: 55.5372, Test acc: 53.6708
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 76, Time(s): 14.7509, estimated train loss 1.2733, acc 62.3666
Time: 1.1443970203399658, Val loss: 1.5379875898361206, Test loss: 1.5791095495224
Val acc: 55.5619, Test acc: 53.8306
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 77, Time(s): 14.5653, estimated train loss 1.2722, acc 62.3980
Time: 1.112833023071289, Val loss: 1.5506174564361572, Test loss: 1.5901206731796265
Val acc: 55.2968, Test acc: 53.5039
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 78, Time(s): 14.3161, estimated train loss 1.2696, acc 62.4378
Time: 1.061389446258545, Val loss: 1.5393617153167725, Test loss: 1.5806299448013306
Val acc: 55.4509, Test acc: 53.5993
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 79, Time(s): 14.3861, estimated train loss 1.2679, acc 62.4579
Time: 1.1302433013916016, Val loss: 1.5297285318374634, Test loss: 1.575552225112915
Val acc: 55.7253, Test acc: 53.7280
Best Epoch 72,Val 55.7453, Test 53.8139
Epoch 80, Time(s): 14.6028, estimated train loss 1.2665, acc 62.4636
Time: 1.1206061840057373, Val loss: 1.5208652019500732, Test loss: 1.5643398761749268
Val acc: 56.0906, Test acc: 54.3361
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 81, Time(s): 14.6068, estimated train loss 1.2646, acc 62.6083
Time: 1.1919236183166504, Val loss: 1.5318026542663574, Test loss: 1.5766735076904297
Val acc: 55.8054, Test acc: 53.7447
Best Epoch 80,Val 56.0906, Test 54.3361

Epoch 82, Time(s): 14.5464, estimated train loss 1.2611, acc 62.6103
Time: 1.1184353828430176, Val loss: 1.541135311126709, Test loss: 1.5820800065994263
Val acc: 55.5033, Test acc: 53.8139
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 83, Time(s): 14.4292, estimated train loss 1.2580, acc 62.6793
Time: 1.1034419536590576, Val loss: 1.5314468145370483, Test loss: 1.5760492086410522
Val acc: 55.6837, Test acc: 53.7662
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 84, Time(s): 14.2400, estimated train loss 1.2573, acc 62.6676
Time: 1.1063368320465088, Val loss: 1.5419325828552246, Test loss: 1.5859497785568237
Val acc: 55.5280, Test acc: 53.8735
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 85, Time(s): 14.5748, estimated train loss 1.2556, acc 62.7678
Time: 1.1289050579071045, Val loss: 1.5484334230422974, Test loss: 1.5846995115280151
Val acc: 55.3322, Test acc: 53.7066
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 86, Time(s): 14.6128, estimated train loss 1.2529, acc 62.7538
Time: 1.1744763851165771, Val loss: 1.5368506908416748, Test loss: 1.5798851251602173
Val acc: 55.6667, Test acc: 53.7543
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 87, Time(s): 14.5756, estimated train loss 1.2505, acc 62.8322
Time: 1.1200897693634033, Val loss: 1.5380547046661377, Test loss: 1.5797065496444702
Val acc: 55.5496, Test acc: 53.6875
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 88, Time(s): 14.6877, estimated train loss 1.2495, acc 62.8831
Time: 1.2006042003631592, Val loss: 1.5448728799819946, Test loss: 1.588491439819336
Val acc: 55.4540, Test acc: 53.5802
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 89, Time(s): 14.4102, estimated train loss 1.2468, acc 62.9171
Time: 1.0874102115631104, Val loss: 1.5501813888549805, Test loss: 1.5911109447479248
Val acc: 55.2860, Test acc: 53.3012
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 90, Time(s): 14.4027, estimated train loss 1.2437, acc 62.9710
Time: 1.0554258823394775, Val loss: 1.5289397239685059, Test loss: 1.5738667249679565
Val acc: 55.8455, Test acc: 53.9522
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 91, Time(s): 14.7935, estimated train loss 1.2421, acc 63.0070
Time: 1.146364688873291, Val loss: 1.5499242544174194, Test loss: 1.5945154428482056
Val acc: 55.2752, Test acc: 53.5063
Best Epoch 80,Val 56.0906, Test 54.3361
Epoch 92, Time(s): 14.6373, estimated train loss 1.2419, acc 62.9864
Time: 1.1314704418182373, Val loss: 1.5478236675262451, Test loss: 1.5883285999298096
Val acc: 55.4340, Test acc: 53.6660
Best Epoch 80,Val 56.0906, Test 54.3361

Epoch 93, Time(s): 14.5041, estimated train loss 1.2381, acc 63.0992
Time: 1.1387503147125244, Val loss: 1.5198297500610352, Test loss: 1.5664141178131104
Val acc: 56.1291, Test acc: 54.0738
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 94, Time(s): 14.4416, estimated train loss 1.2372, acc 63.1503
Time: 1.174705982208252, Val loss: 1.5468233823776245, Test loss: 1.5892823934555054
Val acc: 55.6189, Test acc: 53.7328
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 95, Time(s): 14.3062, estimated train loss 1.2348, acc 63.1613
Time: 1.0400497913360596, Val loss: 1.5380382537841797, Test loss: 1.5805492401123047
Val acc: 55.6729, Test acc: 53.6708
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 96, Time(s): 14.6159, estimated train loss 1.2343, acc 63.2049
Time: 1.1043603420257568, Val loss: 1.5446603298187256, Test loss: 1.5892982482910156
Val acc: 55.5203, Test acc: 53.5707
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 97, Time(s): 14.6707, estimated train loss 1.2314, acc 63.3009
Time: 1.202768325805664, Val loss: 1.5280983448028564, Test loss: 1.571324348449707
Val acc: 56.0844, Test acc: 53.9832
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 98, Time(s): 14.6643, estimated train loss 1.2297, acc 63.3223
Time: 1.1887149810791016, Val loss: 1.5329214334487915, Test loss: 1.5767741203308105
Val acc: 55.9179, Test acc: 53.9617
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 99, Time(s): 14.6351, estimated train loss 1.2274, acc 63.3203
Time: 1.1136271953582764, Val loss: 1.5336406230926514, Test loss: 1.575238585472107
Val acc: 55.8671, Test acc: 53.7948
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 100, Time(s): 14.2342, estimated train loss 1.2263, acc 63.4467
Time: 1.0633528232574463, Val loss: 1.5289684534072876, Test loss: 1.5737779140472412
Val acc: 55.9996, Test acc: 54.0475
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 101, Time(s): 14.1766, estimated train loss 1.2227, acc 63.4681
Time: 1.0400612354278564, Val loss: 1.5385137796401978, Test loss: 1.5794532299041748
Val acc: 55.6975, Test acc: 53.7543
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 102, Time(s): 14.4434, estimated train loss 1.2235, acc 63.3941
Time: 1.1069989204406738, Val loss: 1.5326908826828003, Test loss: 1.5787180662155151
Val acc: 55.7900, Test acc: 53.7829
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 103, Time(s): 14.4631, estimated train loss 1.2206, acc 63.5580
Time: 1.1982040405273438, Val loss: 1.5428149700164795, Test loss: 1.5860872268676758
Val acc: 55.4987, Test acc: 53.6279
Best Epoch 93,Val 56.1291, Test 54.0738

Epoch 104, Time(s): 14.5294, estimated train loss 1.2197, acc 63.5612
Time: 1.163665771484375, Val loss: 1.5326555967330933, Test loss: 1.5785421133041382
Val acc: 55.8547, Test acc: 53.9951
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 105, Time(s): 14.6062, estimated train loss 1.2168, acc 63.5879
Time: 1.0896615982055664, Val loss: 1.5449280738830566, Test loss: 1.5928276777267456
Val acc: 55.6667, Test acc: 53.5802
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 106, Time(s): 14.4617, estimated train loss 1.2153, acc 63.6614
Time: 1.083258867263794, Val loss: 1.5493804216384888, Test loss: 1.591683030128479
Val acc: 55.4602, Test acc: 53.5540
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 107, Time(s): 14.2762, estimated train loss 1.2155, acc 63.6592
Time: 1.0566327571868896, Val loss: 1.5318915843963623, Test loss: 1.578118085861206
Val acc: 55.7715, Test acc: 53.9164
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 108, Time(s): 14.4347, estimated train loss 1.2153, acc 63.6556
Time: 1.1650879383087158, Val loss: 1.544992446899414, Test loss: 1.5858964920043945
Val acc: 55.5696, Test acc: 53.8163
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 109, Time(s): 14.4319, estimated train loss 1.2114, acc 63.7552
Time: 1.1190555095672607, Val loss: 1.5280699729919434, Test loss: 1.5739328861236572
Val acc: 55.8609, Test acc: 53.9379
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 110, Time(s): 14.4371, estimated train loss 1.2099, acc 63.6915
Time: 1.1314339637756348, Val loss: 1.5380163192749023, Test loss: 1.5850863456726074
Val acc: 55.5758, Test acc: 53.4419
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 111, Time(s): 14.5274, estimated train loss 1.2092, acc 63.8009
Time: 1.2122344970703125, Val loss: 1.5373061895370483, Test loss: 1.5825774669647217
Val acc: 55.7006, Test acc: 53.8210
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 112, Time(s): 14.2271, estimated train loss 1.2080, acc 63.8470
Time: 1.0246078968048096, Val loss: 1.5302457809448242, Test loss: 1.5735197067260742
Val acc: 55.8578, Test acc: 53.9712
Best Epoch 93,Val 56.1291, Test 54.0738
Epoch 113, Time(s): 14.3394, estimated train loss 1.2061, acc 63.8282
Time: 1.110356092453003, Val loss: 1.5245507955551147, Test loss: 1.5701069831848145
Val acc: 56.1615, Test acc: 54.1787
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 114, Time(s): 14.5349, estimated train loss 1.2054, acc 63.8567
Time: 1.1316981315612793, Val loss: 1.5496641397476196, Test loss: 1.5964003801345825
Val acc: 55.4894, Test acc: 53.3799
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 115, Time(s): 14.4722, estimated train loss 1.2043, acc 63.9258
Time: 1.164311170578003, Val loss: 1.5376800298690796, Test loss: 1.5880588293075562
Val acc: 55.7499, Test acc: 53.5874
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 116, Time(s): 14.5331, estimated train loss 1.2013, acc 63.9550
Time: 1.0988667011260986, Val loss: 1.5455108880996704, Test loss: 1.5893452167510986
Val acc: 55.6035, Test acc: 53.6422
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 117, Time(s): 14.2419, estimated train loss 1.2000, acc 63.9755
Time: 1.1394591331481934, Val loss: 1.5427494049072266, Test loss: 1.5853976011276245
Val acc: 55.5079, Test acc: 53.5778
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 118, Time(s): 14.3212, estimated train loss 1.1985, acc 64.0990
Time: 1.0926618576049805, Val loss: 1.5291576385498047, Test loss: 1.5753101110458374
Val acc: 55.8887, Test acc: 53.9546
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 119, Time(s): 14.2992, estimated train loss 1.1963, acc 64.0773
Time: 1.0729753971099854, Val loss: 1.5318880081176758, Test loss: 1.577141284942627
Val acc: 55.7638, Test acc: 53.8473
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 120, Time(s): 14.5103, estimated train loss 1.1944, acc 64.1456
Time: 1.177135705947876, Val loss: 1.5383877754211426, Test loss: 1.5845152139663696
Val acc: 55.7885, Test acc: 53.7185
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 121, Time(s): 14.4990, estimated train loss 1.1958, acc 64.1612
Time: 1.129359245300293, Val loss: 1.541298508644104, Test loss: 1.5854504108428955
Val acc: 55.7561, Test acc: 53.8496
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 122, Time(s): 14.4713, estimated train loss 1.1920, acc 64.1607
Time: 1.1108801364898682, Val loss: 1.531866431236267, Test loss: 1.576566219329834
Val acc: 55.9272, Test acc: 54.0380
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 123, Time(s): 14.3741, estimated train loss 1.1916, acc 64.1724
Time: 1.091700792312622, Val loss: 1.533308982849121, Test loss: 1.5752547979354858
Val acc: 55.8748, Test acc: 53.9546
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 124, Time(s): 14.2461, estimated train loss 1.1887, acc 64.2331
Time: 1.032608985900879, Val loss: 1.5500088930130005, Test loss: 1.592725396156311
Val acc: 55.4879, Test acc: 53.7066
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 125, Time(s): 14.2919, estimated train loss 1.1892, acc 64.1909
Time: 1.0793530941009521, Val loss: 1.541938066482544, Test loss: 1.582916498184204
Val acc: 55.5742, Test acc: 53.7900
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 126, Time(s): 14.4774, estimated train loss 1.1878, acc 64.2781
Time: 1.0748908519744873, Val loss: 1.532078742980957, Test loss: 1.580255150794983
Val acc: 55.8285, Test acc: 53.9021
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 127, Time(s): 14.6477, estimated train loss 1.1884, acc 64.2719
Time: 1.1684446334838867, Val loss: 1.5318113565444946, Test loss: 1.5750178098678589
Val acc: 55.8131, Test acc: 53.9474
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 128, Time(s): 14.4540, estimated train loss 1.1848, acc 64.3149
Time: 1.1400730609893799, Val loss: 1.5323963165283203, Test loss: 1.5765289068222046
Val acc: 55.7715, Test acc: 53.9379
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 129, Time(s): 14.4771, estimated train loss 1.1823, acc 64.4863
Time: 1.123403549194336, Val loss: 1.536030888557434, Test loss: 1.5843727588653564
Val acc: 55.7823, Test acc: 53.6398
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 130, Time(s): 14.0699, estimated train loss 1.1819, acc 64.4143
Time: 1.0524508953094482, Val loss: 1.5373104810714722, Test loss: 1.5822442770004272
Val acc: 55.9611, Test acc: 53.8711
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 131, Time(s): 14.5751, estimated train loss 1.1809, acc 64.4704
Time: 1.1470012664794922, Val loss: 1.5413620471954346, Test loss: 1.5826630592346191
Val acc: 55.8255, Test acc: 53.8711
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 132, Time(s): 14.4529, estimated train loss 1.1777, acc 64.5290
Time: 1.1371510028839111, Val loss: 1.5415135622024536, Test loss: 1.5835899114608765
Val acc: 55.8332, Test acc: 53.8353
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 133, Time(s): 14.6226, estimated train loss 1.1776, acc 64.5441
Time: 1.1735258102416992, Val loss: 1.5419422388076782, Test loss: 1.5890625715255737
Val acc: 55.5989, Test acc: 53.7566
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 134, Time(s): 14.6848, estimated train loss 1.1776, acc 64.4645
Time: 1.1382842063903809, Val loss: 1.5618878602981567, Test loss: 1.603660225868225
Val acc: 55.3137, Test acc: 53.4657
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 135, Time(s): 14.4658, estimated train loss 1.1763, acc 64.5710
Time: 1.1020770072937012, Val loss: 1.542732834815979, Test loss: 1.5831063985824585
Val acc: 55.6313, Test acc: 53.8806
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 136, Time(s): 14.5513, estimated train loss 1.1759, acc 64.5122
Time: 1.0952537059783936, Val loss: 1.5505133867263794, Test loss: 1.5900177955627441
Val acc: 55.2660, Test acc: 53.4514
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 137, Time(s): 14.6902, estimated train loss 1.1751, acc 64.5411
Time: 1.1307899951934814, Val loss: 1.533746361732483, Test loss: 1.5813981294631958
Val acc: 55.9010, Test acc: 53.8997
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 138, Time(s): 14.7289, estimated train loss 1.1723, acc 64.6671
Time: 1.1515395641326904, Val loss: 1.5385475158691406, Test loss: 1.5812796354293823
Val acc: 55.7268, Test acc: 53.8926
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 139, Time(s): 14.7457, estimated train loss 1.1705, acc 64.7039
Time: 1.2400946617126465, Val loss: 1.533637285232544, Test loss: 1.5789012908935547
Val acc: 55.9518, Test acc: 53.9760
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 140, Time(s): 14.4871, estimated train loss 1.1702, acc 64.6429
Time: 1.05562162399292, Val loss: 1.5430136919021606, Test loss: 1.5856564044952393
Val acc: 55.7145, Test acc: 53.8091
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 141, Time(s): 14.1988, estimated train loss 1.1679, acc 64.7293
Time: 1.0587687492370605, Val loss: 1.5471770763397217, Test loss: 1.591492772102356
Val acc: 55.5187, Test acc: 53.5874
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 142, Time(s): 14.5996, estimated train loss 1.1668, acc 64.6848
Time: 1.1434712409973145, Val loss: 1.53947114944458, Test loss: 1.582727074623108
Val acc: 55.8023, Test acc: 53.8616
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 143, Time(s): 14.5954, estimated train loss 1.1661, acc 64.8027
Time: 1.1168828010559082, Val loss: 1.559095025062561, Test loss: 1.6039787530899048
Val acc: 55.2136, Test acc: 53.2154
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 144, Time(s): 14.5629, estimated train loss 1.1658, acc 64.7514
Time: 1.1064889430999756, Val loss: 1.545743703842163, Test loss: 1.5824331045150757
Val acc: 55.6605, Test acc: 54.0118
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 145, Time(s): 14.4794, estimated train loss 1.1646, acc 64.8179
Time: 1.0721290111541748, Val loss: 1.5507372617721558, Test loss: 1.5928541421890259
Val acc: 55.5187, Test acc: 53.6064
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 146, Time(s): 14.2613, estimated train loss 1.1635, acc 64.8280
Time: 1.160132646560669, Val loss: 1.5496454238891602, Test loss: 1.5875729322433472
Val acc: 55.4956, Test acc: 53.6994
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 147, Time(s): 14.4730, estimated train loss 1.1606, acc 64.9074
Time: 1.1204307079315186, Val loss: 1.5521352291107178, Test loss: 1.5935993194580078
Val acc: 55.3877, Test acc: 53.6040
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 148, Time(s): 14.6069, estimated train loss 1.1613, acc 64.9017
Time: 1.2302577495574951, Val loss: 1.534820318222046, Test loss: 1.5762726068496704
Val acc: 55.8748, Test acc: 54.0881
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 149, Time(s): 14.5602, estimated train loss 1.1595, acc 64.9012
Time: 1.1123414039611816, Val loss: 1.546306848526001, Test loss: 1.5884627103805542
Val acc: 55.8378, Test acc: 53.8473
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 150, Time(s): 14.5973, estimated train loss 1.1612, acc 64.8658
Time: 1.1453170776367188, Val loss: 1.5458600521087646, Test loss: 1.5907362699508667
Val acc: 55.6682, Test acc: 53.8473
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 151, Time(s): 14.3199, estimated train loss 1.1574, acc 64.9793
Time: 1.0822501182556152, Val loss: 1.5426985025405884, Test loss: 1.5872081518173218
Val acc: 55.6636, Test acc: 53.8639
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 152, Time(s): 14.4853, estimated train loss 1.1572, acc 64.9804
Time: 1.1687140464782715, Val loss: 1.5383052825927734, Test loss: 1.5806219577789307
Val acc: 55.7515, Test acc: 53.8997
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 153, Time(s): 14.5233, estimated train loss 1.1573, acc 65.0560
Time: 1.0657694339752197, Val loss: 1.5383766889572144, Test loss: 1.582312822341919
Val acc: 55.7838, Test acc: 53.9164
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 154, Time(s): 14.5487, estimated train loss 1.1550, acc 65.0271
Time: 1.1774327754974365, Val loss: 1.5348111391067505, Test loss: 1.5823875665664673
Val acc: 55.9056, Test acc: 53.9307
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 155, Time(s): 14.5300, estimated train loss 1.1534, acc 65.0200
Time: 1.1531362533569336, Val loss: 1.5452148914337158, Test loss: 1.5892102718353271
Val acc: 55.6374, Test acc: 53.8806
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 156, Time(s): 14.3265, estimated train loss 1.1532, acc 64.9774
Time: 1.0458662509918213, Val loss: 1.5463091135025024, Test loss: 1.5923584699630737
Val acc: 55.7700, Test acc: 53.7900
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 157, Time(s): 14.2228, estimated train loss 1.1507, acc 65.1534
Time: 1.2123823165893555, Val loss: 1.564858078956604, Test loss: 1.606183409690857
Val acc: 55.2120, Test acc: 53.3465
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 158, Time(s): 14.8299, estimated train loss 1.1511, acc 65.1332
Time: 1.1340124607086182, Val loss: 1.5495569705963135, Test loss: 1.5954185724258423
Val acc: 55.5141, Test acc: 53.5874
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 159, Time(s): 14.4462, estimated train loss 1.1498, acc 65.1004
Time: 1.1848292350769043, Val loss: 1.5378507375717163, Test loss: 1.5821574926376343
Val acc: 55.8455, Test acc: 54.0809
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 160, Time(s): 14.5517, estimated train loss 1.1474, acc 65.2196
Time: 1.123898983001709, Val loss: 1.5398973226547241, Test loss: 1.577582597732544
Val acc: 55.6806, Test acc: 54.0046
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 161, Time(s): 14.3161, estimated train loss 1.1477, acc 65.2481
Time: 1.0957372188568115, Val loss: 1.5535542964935303, Test loss: 1.5955166816711426
Val acc: 55.4602, Test acc: 53.6827
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 162, Time(s): 14.1698, estimated train loss 1.1465, acc 65.2357
Time: 1.1232059001922607, Val loss: 1.544542670249939, Test loss: 1.5870641469955444
Val acc: 55.6174, Test acc: 53.8926
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 163, Time(s): 14.2560, estimated train loss 1.1456, acc 65.2633
Time: 1.0814943313598633, Val loss: 1.5376895666122437, Test loss: 1.5842896699905396
Val acc: 55.7715, Test acc: 53.9045
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 164, Time(s): 14.4238, estimated train loss 1.1446, acc 65.2797
Time: 1.080172061920166, Val loss: 1.5387479066848755, Test loss: 1.5836786031723022
Val acc: 55.6790, Test acc: 53.9259
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 165, Time(s): 14.4535, estimated train loss 1.1443, acc 65.2795
Time: 1.1243746280670166, Val loss: 1.5433851480484009, Test loss: 1.582995891571045
Val acc: 55.7854, Test acc: 53.8639
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 166, Time(s): 14.4663, estimated train loss 1.1439, acc 65.2494
Time: 1.1375923156738281, Val loss: 1.5450862646102905, Test loss: 1.5877021551132202
Val acc: 55.5711, Test acc: 53.8258
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 167, Time(s): 14.4636, estimated train loss 1.1421, acc 65.3756
Time: 1.192772626876831, Val loss: 1.5355335474014282, Test loss: 1.5734869241714478
Val acc: 55.8948, Test acc: 54.2812
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 168, Time(s): 14.4022, estimated train loss 1.1414, acc 65.3485
Time: 1.097311019897461, Val loss: 1.5535309314727783, Test loss: 1.5934467315673828
Val acc: 55.6960, Test acc: 53.7876
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 169, Time(s): 14.1812, estimated train loss 1.1406, acc 65.3081
Time: 1.018991470336914, Val loss: 1.5372437238693237, Test loss: 1.5803991556167603
Val acc: 55.8131, Test acc: 54.0261
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 170, Time(s): 14.5859, estimated train loss 1.1390, acc 65.3964
Time: 1.2089736461639404, Val loss: 1.5533744096755981, Test loss: 1.5954335927963257
Val acc: 55.4324, Test acc: 53.6064
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 171, Time(s): 14.4953, estimated train loss 1.1390, acc 65.3169
Time: 1.0645933151245117, Val loss: 1.5516501665115356, Test loss: 1.590652346611023
Val acc: 55.6066, Test acc: 53.8234
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 172, Time(s): 14.5166, estimated train loss 1.1362, acc 65.4495
Time: 1.124420166015625, Val loss: 1.5522602796554565, Test loss: 1.5954241752624512
Val acc: 55.4802, Test acc: 53.5206
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 173, Time(s): 14.5286, estimated train loss 1.1362, acc 65.4458
Time: 1.1181178092956543, Val loss: 1.5453004837036133, Test loss: 1.5861825942993164
Val acc: 55.6944, Test acc: 53.8592
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 174, Time(s): 14.0954, estimated train loss 1.1370, acc 65.4246
Time: 1.056469440460205, Val loss: 1.551211953163147, Test loss: 1.5947054624557495
Val acc: 55.4324, Test acc: 53.4562
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 175, Time(s): 14.5379, estimated train loss 1.1340, acc 65.5035
Time: 1.1219613552093506, Val loss: 1.5509275197982788, Test loss: 1.590769648551941
Val acc: 55.6081, Test acc: 53.7710
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 176, Time(s): 14.4591, estimated train loss 1.1343, acc 65.4894
Time: 1.0792901515960693, Val loss: 1.5459367036819458, Test loss: 1.5895979404449463
Val acc: 55.7838, Test acc: 53.7161
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 177, Time(s): 14.5212, estimated train loss 1.1318, acc 65.5246
Time: 1.1333494186401367, Val loss: 1.5473819971084595, Test loss: 1.5883427858352661
Val acc: 55.6128, Test acc: 53.8878
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 178, Time(s): 14.5276, estimated train loss 1.1320, acc 65.5829
Time: 1.0975353717803955, Val loss: 1.5463523864746094, Test loss: 1.590364694595337
Val acc: 55.8285, Test acc: 53.8663
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 179, Time(s): 14.2821, estimated train loss 1.1299, acc 65.5977
Time: 1.1076455116271973, Val loss: 1.540100336074829, Test loss: 1.5838884115219116
Val acc: 55.8840, Test acc: 53.9569
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 180, Time(s): 14.4721, estimated train loss 1.1292, acc 65.6214
Time: 1.0731616020202637, Val loss: 1.5455020666122437, Test loss: 1.5892555713653564
Val acc: 55.8270, Test acc: 53.8163
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 181, Time(s): 14.4514, estimated train loss 1.1290, acc 65.6949
Time: 1.1336843967437744, Val loss: 1.5437440872192383, Test loss: 1.5849190950393677
Val acc: 55.8085, Test acc: 53.9522
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 182, Time(s): 14.4059, estimated train loss 1.1277, acc 65.6293
Time: 1.2612273693084717, Val loss: 1.550635814666748, Test loss: 1.5931594371795654
Val acc: 55.6266, Test acc: 53.6684
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 183, Time(s): 14.6006, estimated train loss 1.1276, acc 65.6700
Time: 1.148339033126831, Val loss: 1.5370304584503174, Test loss: 1.5815595388412476
Val acc: 55.8039, Test acc: 53.9355
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 184, Time(s): 14.2860, estimated train loss 1.1278, acc 65.6395
Time: 1.1059656143188477, Val loss: 1.5396555662155151, Test loss: 1.5800031423568726
Val acc: 55.8224, Test acc: 54.1238
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 185, Time(s): 14.2529, estimated train loss 1.1271, acc 65.7457
Time: 1.0634822845458984, Val loss: 1.54007887840271, Test loss: 1.581296682357788
Val acc: 55.9703, Test acc: 54.0642
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 186, Time(s): 14.4643, estimated train loss 1.1258, acc 65.7244
Time: 1.0757412910461426, Val loss: 1.5483235120773315, Test loss: 1.589408278465271
Val acc: 55.6467, Test acc: 53.9426
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 187, Time(s): 14.5930, estimated train loss 1.1237, acc 65.6958
Time: 1.1006836891174316, Val loss: 1.5478298664093018, Test loss: 1.5884523391723633
Val acc: 55.7022, Test acc: 53.8210
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 188, Time(s): 14.5258, estimated train loss 1.1247, acc 65.7383
Time: 1.1144311428070068, Val loss: 1.5462045669555664, Test loss: 1.5905060768127441
Val acc: 55.7607, Test acc: 53.8854
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 189, Time(s): 14.5044, estimated train loss 1.1222, acc 65.7978
Time: 1.1623635292053223, Val loss: 1.5513324737548828, Test loss: 1.591245412826538
Val acc: 55.6806, Test acc: 53.9021
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 190, Time(s): 14.1599, estimated train loss 1.1213, acc 65.8399
Time: 1.038994312286377, Val loss: 1.5448294878005981, Test loss: 1.5892868041992188
Val acc: 55.8763, Test acc: 54.0285
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 191, Time(s): 14.2095, estimated train loss 1.1219, acc 65.7664
Time: 1.1298205852508545, Val loss: 1.542419672012329, Test loss: 1.5843019485473633
Val acc: 55.9565, Test acc: 54.1787
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 192, Time(s): 14.4090, estimated train loss 1.1201, acc 65.8172
Time: 1.0866892337799072, Val loss: 1.5431435108184814, Test loss: 1.5809061527252197
Val acc: 55.8239, Test acc: 53.9569
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 193, Time(s): 14.4561, estimated train loss 1.1190, acc 65.8679
Time: 1.168734073638916, Val loss: 1.5413466691970825, Test loss: 1.5867187976837158
Val acc: 55.9318, Test acc: 53.9689
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 194, Time(s): 14.4799, estimated train loss 1.1196, acc 65.8726
Time: 1.1855223178863525, Val loss: 1.5466957092285156, Test loss: 1.5878242254257202
Val acc: 55.6698, Test acc: 53.8973
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 195, Time(s): 14.4744, estimated train loss 1.1159, acc 65.9929
Time: 1.0875341892242432, Val loss: 1.5474663972854614, Test loss: 1.5884921550750732
Val acc: 55.6760, Test acc: 53.8902
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 196, Time(s): 14.4245, estimated train loss 1.1186, acc 65.8633
Time: 1.1727943420410156, Val loss: 1.5390777587890625, Test loss: 1.5809752941131592
Val acc: 56.0150, Test acc: 54.0380
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 197, Time(s): 14.1505, estimated train loss 1.1160, acc 65.9940
Time: 1.1184136867523193, Val loss: 1.5495821237564087, Test loss: 1.5898865461349487
Val acc: 55.7083, Test acc: 53.8711
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 198, Time(s): 14.7694, estimated train loss 1.1152, acc 65.9719
Time: 1.1927595138549805, Val loss: 1.5496577024459839, Test loss: 1.5903726816177368
Val acc: 55.6775, Test acc: 53.7423
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 199, Time(s): 14.5974, estimated train loss 1.1162, acc 65.9141
Time: 1.116368293762207, Val loss: 1.5363173484802246, Test loss: 1.5768523216247559
Val acc: 56.0937, Test acc: 54.1787
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 200, Time(s): 14.6699, estimated train loss 1.1161, acc 65.9252
Time: 1.160034418106079, Val loss: 1.5548367500305176, Test loss: 1.593219518661499
Val acc: 55.5110, Test acc: 53.5802
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 201, Time(s): 14.5413, estimated train loss 1.1129, acc 65.9959
Time: 1.2027955055236816, Val loss: 1.5446808338165283, Test loss: 1.583536148071289
Val acc: 55.8825, Test acc: 54.0189
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 202, Time(s): 14.5086, estimated train loss 1.1142, acc 65.9481
Time: 1.1375148296356201, Val loss: 1.5498789548873901, Test loss: 1.593106985092163
Val acc: 55.7638, Test acc: 53.9426
Best Epoch 113,Val 56.1615, Test 54.1787

Epoch 203, Time(s): 14.3435, estimated train loss 1.1102, acc 66.0717
Time: 1.0714235305786133, Val loss: 1.5418121814727783, Test loss: 1.5877535343170166
Val acc: 55.8162, Test acc: 53.8711
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 204, Time(s): 14.7447, estimated train loss 1.1131, acc 66.0167
Time: 1.2818729877471924, Val loss: 1.5440893173217773, Test loss: 1.5843979120254517
Val acc: 55.9611, Test acc: 54.1477
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 205, Time(s): 14.7430, estimated train loss 1.1100, acc 66.0898
Time: 1.1176517009735107, Val loss: 1.540494680404663, Test loss: 1.5782411098480225
Val acc: 55.8871, Test acc: 54.1072
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 206, Time(s): 14.7347, estimated train loss 1.1098, acc 66.0926
Time: 1.1210346221923828, Val loss: 1.545233964920044, Test loss: 1.5887656211853027
Val acc: 55.8131, Test acc: 53.9736
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 207, Time(s): 14.6884, estimated train loss 1.1092, acc 66.0923
Time: 1.1613948345184326, Val loss: 1.5558100938796997, Test loss: 1.5956887006759644
Val acc: 55.5388, Test acc: 53.7352
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 208, Time(s): 14.4687, estimated train loss 1.1076, acc 66.0910
Time: 1.0911102294921875, Val loss: 1.5415529012680054, Test loss: 1.5907838344573975
Val acc: 55.8362, Test acc: 53.9021
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 209, Time(s): 14.6929, estimated train loss 1.1095, acc 66.1045
Time: 1.17863130569458, Val loss: 1.5327495336532593, Test loss: 1.5725761651992798
Val acc: 56.1106, Test acc: 54.3861
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 210, Time(s): 14.4987, estimated train loss 1.1080, acc 66.1619
Time: 1.166161060333252, Val loss: 1.5590896606445312, Test loss: 1.598917841911316
Val acc: 55.4833, Test acc: 53.7066
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 211, Time(s): 14.5932, estimated train loss 1.1065, acc 66.1819
Time: 1.1631503105163574, Val loss: 1.553407073020935, Test loss: 1.5948747396469116
Val acc: 55.5896, Test acc: 53.7185
Best Epoch 113,Val 56.1615, Test 54.1787
Epoch 212, Time(s): 14.5625, estimated train loss 1.1057, acc 66.2202
Time: 1.1173129081726074, Val loss: 1.5451102256774902, Test loss: 1.5911457538604736
Val acc: 55.9811, Test acc: 53.9069
Best Epoch 113,Val 56.1615, Test 54.1787
Best Epoch 113, Val 56.1615, Test 54.1787
100%|████████████| 74/74 [00:08<00:00, 8.33it/s]
Stage 0 history model:
        Train acc 72.7804 Val acc 56.1615 Test acc 54.1787

Stage: 1, threshold 0.75, confident nodes: 35429 / 106818
       val confident nodes: 22494 / 64879, val confident level: 0.8099493384361267
       test confident nodes: 12935 / 41939, test confident_level: 0.8006957769393921
Current num label hops = 2
Involved label keys ['P', 'PP', 'PAP', 'PFP', 'PPP']
PPP tensor(307769) tensor(-7.4506e-08)
PAP tensor(982997) tensor(-1.7881e-07)
PFP tensor(0) tensor(1.2548e-05)
PP tensor(0.4286) tensor(0.3865) tensor(0.3830) tensor(3.7870) tensor(3.4278) tensor(3.1970)
tensor(10.8826) tensor(11.9174) tensor(-10.4802) tensor(-18.4535)
PAP tensor(0.4235) tensor(0.3901) tensor(0.3865) tensor(3.3274) tensor(3.3078)
tensor(3.2485) tensor(8.5514) tensor(9.5703) tensor(-0.5900) tensor(-2.4280)
PFP tensor(0.2888) tensor(0.2559) tensor(0.2703) tensor(3.1804) tensor(3.2489)
tensor(3.1663) tensor(12.8763) tensor(6.8540) tensor(2.1070) tensor(-0.4453)
PPP tensor(0.4033) tensor(0.3838) tensor(0.3851) tensor(2.8091) tensor(2.6070)
tensor(2.5179) tensor(5.0656) tensor(4.7216) tensor(-7.7535) tensor(-11.5666)
{'PPP', 'PP', 'PFP', 'PAP'}
tensor(0.6382)
tensor(0.5908)
tensor(0.5848)
label_emb tensor(0.4667) tensor(0.4280) tensor(0.4244) tensor(2.0590) tensor(2.2282)
tensor(2.2374) tensor(9.0566) tensor(9.9622) tensor(7.5950) tensor(7.9733)
{'label_emb'}
tensor(0.4667)
tensor(0.4280)
tensor(0.4244)
3.3888540872887 1.6051063457531716
Epoch 0, Time(s): 21.9707, estimated train loss 4.0634, acc 35.4540
Time: 1.4616367816925049, Val loss: 2.152665853500366, Test loss: 2.163831949234009
Val acc: 48.3377, Test acc: 47.9291
Best Epoch 0,Val 48.3377, Test 47.9291
2.3420480507523265 0.6790685938365424
Epoch 1, Time(s): 20.9018, estimated train loss 2.5792, acc 46.2842
Time: 1.412971019744873, Val loss: 1.9619390964508057, Test loss: 1.9875458478927612
Val acc: 51.4774, Test acc: 50.7284
Best Epoch 1,Val 51.4774, Test 50.7284
2.0831508280625983 0.4857940473663273
Epoch 2, Time(s): 20.5717, estimated train loss 2.2311, acc 49.5788
Time: 1.3764843940734863, Val loss: 1.8332608938217163, Test loss: 1.8734521865844727
Val acc: 53.5674, Test acc: 52.2378
Best Epoch 2,Val 53.5674, Test 52.2378
1.9431607705443652 0.4005321113031302
Epoch 3, Time(s): 20.6440, estimated train loss 2.0532, acc 51.5380
Time: 1.60392165184021, Val loss: 1.7695573568344116, Test loss: 1.8135730028152466

Val acc: 54.2256, Test acc: 52.7147
Best Epoch 3,Val 54.2256, Test 52.7147
1.854273530974317 0.34016903078378136
Epoch 4, Time(s): 20.8490, estimated train loss 1.9368, acc 52.8392
Time: 1.4146199226379395, Val loss: 1.723850965499878, Test loss: 1.7746870517730713
Val acc: 54.7635, Test acc: 53.1462
Best Epoch 4,Val 54.7635, Test 53.1462
1.7899290358842308 0.30460490664439416
Epoch 5, Time(s): 21.1342, estimated train loss 1.8569, acc 53.7801
Time: 1.4192876815795898, Val loss: 1.701137900352478, Test loss: 1.7558802366256714
Val acc: 55.2598, Test acc: 53.4538
Best Epoch 5,Val 55.2598, Test 53.4538
1.7422221614353692 0.27488309923392623
Epoch 6, Time(s): 20.8966, estimated train loss 1.7959, acc 54.5260
Time: 1.3820176124572754, Val loss: 1.6813026666641235, Test loss: 1.734673023223877
Val acc: 55.5573, Test acc: 53.9164
Best Epoch 6,Val 55.5573, Test 53.9164
1.70699322045739 0.250196463358936
Epoch 7, Time(s): 20.6107, estimated train loss 1.7494, acc 55.0767
Time: 1.5086345672607422, Val loss: 1.6646668910980225, Test loss: 1.7206984758377075
Val acc: 55.9611, Test acc: 54.1143
Best Epoch 7,Val 55.9611, Test 54.1143
1.6764369188849606 0.23214919998574612
Epoch 8, Time(s): 21.0203, estimated train loss 1.7109, acc 55.5323
Time: 1.409278392791748, Val loss: 1.6483433246612549, Test loss: 1.7092291116714478
Val acc: 56.0628, Test acc: 54.2216
Best Epoch 8,Val 56.0628, Test 54.2216
1.64970018080811 0.21911719307970645
Epoch 9, Time(s): 21.1487, estimated train loss 1.6786, acc 55.9608
Time: 1.4089813232421875, Val loss: 1.6562036275863647, Test loss: 1.7097539901733398
Val acc: 55.9102, Test acc: 54.1429
Best Epoch 8,Val 56.0628, Test 54.2216
1.627579146356725 0.2052662085686157
Epoch 10, Time(s): 20.8285, estimated train loss 1.6503, acc 56.3601
Time: 1.5379951000213623, Val loss: 1.624189853668213, Test loss: 1.6784257888793945
Val acc: 56.4851, Test acc: 54.8439
Best Epoch 10,Val 56.4851, Test 54.8439
1.6094629497670416 0.19442229929255017
Epoch 11, Time(s): 20.8433, estimated train loss 1.6273, acc 56.7321
Time: 1.502634048461914, Val loss: 1.6393511295318604, Test loss: 1.698118805885315
Val acc: 56.0104, Test acc: 54.1072
Best Epoch 10,Val 56.4851, Test 54.8439
1.5923206717220706 0.18611860253028015
Epoch 12, Time(s): 21.1053, estimated train loss 1.6067, acc 56.9832

Time: 1.4256412982940674, Val loss: 1.638962984085083, Test loss: 1.707932949066162
Val acc: 56.2355, Test acc: 54.2884
Best Epoch 10,Val 56.4851, Test 54.8439
1.5768697866752965 0.17810687000182138
Epoch 13, Time(s): 21.2060, estimated train loss 1.5878, acc 57.2491
Time: 1.4197728633880615, Val loss: 1.6291249990463257, Test loss: 1.7000638246536255
Val acc: 56.4466, Test acc: 54.4314
Best Epoch 10,Val 56.4851, Test 54.8439
1.5609876611339513 0.17261495341115923
Epoch 14, Time(s): 20.7792, estimated train loss 1.5698, acc 57.4704
Time: 1.432096004486084, Val loss: 1.6395529508590698, Test loss: 1.7063791751861572
Val acc: 56.2971, Test acc: 54.4004
Best Epoch 10,Val 56.4851, Test 54.8439
1.5499552079101107 0.1629517007229933
Epoch 15, Time(s): 20.8153, estimated train loss 1.5542, acc 57.6516
Time: 1.449662208557129, Val loss: 1.637306571006775, Test loss: 1.7037060260772705
Val acc: 56.4019, Test acc: 54.7772
Best Epoch 10,Val 56.4851, Test 54.8439
1.5361195873858324 0.15859329122215954
Epoch 16, Time(s): 20.9565, estimated train loss 1.5388, acc 57.9350
Time: 1.4536182880401611, Val loss: 1.6282211542129517, Test loss: 1.6879973411560059
Val acc: 56.6254, Test acc: 55.0156
Best Epoch 16,Val 56.6254, Test 55.0156
1.52280220878658 0.151602114536869
Epoch 17, Time(s): 21.1691, estimated train loss 1.5224, acc 58.1337
Time: 1.4109749794006348, Val loss: 1.629804015159607, Test loss: 1.696807622909546
Val acc: 56.5483, Test acc: 54.8940
Best Epoch 16,Val 56.6254, Test 55.0156
1.5146239853616972 0.14808940653925512
Epoch 18, Time(s): 20.8428, estimated train loss 1.5128, acc 58.3208
Time: 1.3847270011901855, Val loss: 1.6255489587783813, Test loss: 1.697437047958374
Val acc: 56.4882, Test acc: 54.7200
Best Epoch 16,Val 56.6254, Test 55.0156
1.505237090053843 0.14352626031014457
Epoch 19, Time(s): 20.6779, estimated train loss 1.5015, acc 58.4727
Time: 1.4873089790344238, Val loss: 1.6113364696502686, Test loss: 1.6720656156539917
Val acc: 56.7379, Test acc: 55.0633
Best Epoch 19,Val 56.7379, Test 55.0633
1.4949986258549477 0.13896924368481137
Epoch 20, Time(s): 21.0491, estimated train loss 1.4893, acc 58.6542
Time: 1.4326775074005127, Val loss: 1.6161173582077026, Test loss: 1.6803069114685059
Val acc: 56.8859, Test acc: 55.1348
Best Epoch 20,Val 56.8859, Test 55.1348
1.485144631186528 0.13425061028839938

Epoch 21, Time(s): 21.1657, estimated train loss 1.4775, acc 58.8496
Time: 1.427065372467041, Val loss: 1.6192015409469604, Test loss: 1.692596673965454
Val acc: 56.8874, Test acc: 54.8749
Best Epoch 21,Val 56.8874, Test 54.8749
1.476638229925241 0.13090917456950715
Epoch 22, Time(s): 20.7330, estimated train loss 1.4677, acc 59.0469
Time: 1.3409671783447266, Val loss: 1.6180195808410645, Test loss: 1.6871451139450073
Val acc: 56.7487, Test acc: 54.8535
Best Epoch 21,Val 56.8874, Test 54.8749
1.4686890271172595 0.12797886933853378
Epoch 23, Time(s): 20.6419, estimated train loss 1.4586, acc 59.1798
Time: 1.5089430809020996, Val loss: 1.6218897104263306, Test loss: 1.6996225118637085
Val acc: 57.0308, Test acc: 55.1444
Best Epoch 23,Val 57.0308, Test 55.1444
1.4610897284835132 0.1250211738828403
Epoch 24, Time(s): 21.0258, estimated train loss 1.4498, acc 59.3229
Time: 1.4056179523468018, Val loss: 1.6144715547561646, Test loss: 1.6867481470108032
Val acc: 57.2111, Test acc: 55.3304
Best Epoch 24,Val 57.2111, Test 55.3304
1.4517286749028449 0.1217478525949948
Epoch 25, Time(s): 21.1659, estimated train loss 1.4392, acc 59.5598
Time: 1.469106912612915, Val loss: 1.6234323978424072, Test loss: 1.6925586462020874
Val acc: 56.7549, Test acc: 54.8296
Best Epoch 24,Val 57.2111, Test 55.3304
1.445055600422532 0.11976109667500454
Epoch 26, Time(s): 20.9763, estimated train loss 1.4319, acc 59.6077
Time: 1.3748400211334229, Val loss: 1.6279412508010864, Test loss: 1.703960657119751
Val acc: 56.7133, Test acc: 54.8559
Best Epoch 24,Val 57.2111, Test 55.3304
1.4380082105522725 0.11559144663276957
Epoch 27, Time(s): 20.8743, estimated train loss 1.4230, acc 59.7731
Time: 1.4905352592468262, Val loss: 1.606685996055603, Test loss: 1.6838114261627197
Val acc: 57.3406, Test acc: 55.4210
Best Epoch 27,Val 57.3406, Test 55.4210
1.4312568102309953 0.11494247081564433
Epoch 28, Time(s): 21.2158, estimated train loss 1.4162, acc 59.8114
Time: 1.4277737140655518, Val loss: 1.6206035614013672, Test loss: 1.7027710676193237
Val acc: 57.0616, Test acc: 55.0633
Best Epoch 27,Val 57.3406, Test 55.4210
1.423441655600249 0.11061381670966078
Epoch 29, Time(s): 21.2263, estimated train loss 1.4065, acc 59.9994
Time: 1.3902587890625, Val loss: 1.6194406747817993, Test loss: 1.6935465335845947
Val acc: 56.9676, Test acc: 54.9536
Best Epoch 27,Val 57.3406, Test 55.4210

1.4182251478309063 0.1105665889248919
Epoch 30, Time(s): 20.9911, estimated train loss 1.4016, acc 60.1136
Time: 1.3815512657165527, Val loss: 1.6172962188720703, Test loss: 1.68889319896698
Val acc: 57.1849, Test acc: 55.2517
Best Epoch 27,Val 57.3406, Test 55.4210
1.4129311949459475 0.10913807287145016
Epoch 31, Time(s): 20.9247, estimated train loss 1.3958, acc 60.1853
Time: 1.509059190750122, Val loss: 1.6356542110443115, Test loss: 1.7120410203933716
Val acc: 56.9244, Test acc: 54.9489
Best Epoch 27,Val 57.3406, Test 55.4210
1.4050718741630441 0.10620078366639009
Epoch 32, Time(s): 21.3751, estimated train loss 1.3868, acc 60.2928
Time: 1.453833818435669, Val loss: 1.626379370689392, Test loss: 1.6989318132400513
Val acc: 56.9491, Test acc: 55.1134
Best Epoch 27,Val 57.3406, Test 55.4210
1.4003928721840702 0.10346253305228788
Epoch 33, Time(s): 21.4983, estimated train loss 1.3809, acc 60.4550
Time: 1.4178128242492676, Val loss: 1.6101994514465332, Test loss: 1.6854217052459717
Val acc: 57.1186, Test acc: 55.2779
Best Epoch 27,Val 57.3406, Test 55.4210
1.3947882901376754 0.10260918247165965
Epoch 34, Time(s): 21.1876, estimated train loss 1.3751, acc 60.4968
Time: 1.3764150142669678, Val loss: 1.6398123502731323, Test loss: 1.7074061632156372
Val acc: 56.6054, Test acc: 54.9298
Best Epoch 27,Val 57.3406, Test 55.4210
1.3882877577596635 0.10009175605738341
Epoch 35, Time(s): 20.9723, estimated train loss 1.3676, acc 60.7004
Time: 1.4976019859313965, Val loss: 1.6124627590179443, Test loss: 1.6892120838165283
Val acc: 57.4223, Test acc: 55.6332
Best Epoch 35,Val 57.4223, Test 55.6332
1.3813519460051806 0.10022888977580996
Epoch 36, Time(s): 21.3569, estimated train loss 1.3612, acc 60.7707
Time: 1.4094784259796143, Val loss: 1.6301933526992798, Test loss: 1.710336685180664
Val acc: 57.3051, Test acc: 55.4591
Best Epoch 35,Val 57.4223, Test 55.6332
1.3768015708496322 0.09706450509491252
Epoch 37, Time(s): 21.3038, estimated train loss 1.3551, acc 60.9201
Time: 1.4397304058074951, Val loss: 1.622110366821289, Test loss: 1.7052428722381592
Val acc: 57.2743, Test acc: 55.3137
Best Epoch 35,Val 57.4223, Test 55.6332
1.3692339498605302 0.0950911015049735
Epoch 38, Time(s): 20.8603, estimated train loss 1.3469, acc 61.0575
Time: 1.4963855743408203, Val loss: 1.6377955675125122, Test loss: 1.7194843292236328
Val acc: 57.1649, Test acc: 55.2922

Best Epoch 35,Val 57.4223, Test 55.6332
1.3674791908975859 0.09598519486277851
Epoch 39, Time(s): 20.8959, estimated train loss 1.3457, acc 61.0220
Time: 1.4410650730133057, Val loss: 1.6403758525848389, Test loss: 1.7196491956710815
Val acc: 57.1248, Test acc: 55.1539
Best Epoch 35,Val 57.4223, Test 55.6332
1.3596001703347733 0.09289671024724619
Epoch 40, Time(s): 21.0916, estimated train loss 1.3367, acc 61.2838
Time: 1.4092345237731934, Val loss: 1.6267716884613037, Test loss: 1.7070978879928589
Val acc: 57.4485, Test acc: 55.5068
Best Epoch 40,Val 57.4485, Test 55.5068
1.3566451713220398 0.09178570780291487
Epoch 41, Time(s): 21.1703, estimated train loss 1.3332, acc 61.3430
Time: 1.4263238906860352, Val loss: 1.6337891817092896, Test loss: 1.7077751159667969
Val acc: 57.2620, Test acc: 55.4210
Best Epoch 40,Val 57.4485, Test 55.5068
1.3510389772813711 0.09062181402053406
Epoch 42, Time(s): 20.8076, estimated train loss 1.3273, acc 61.3855
Time: 1.460315227508545, Val loss: 1.6324870586395264, Test loss: 1.7137466669082642
Val acc: 57.4007, Test acc: 55.4853
Best Epoch 40,Val 57.4485, Test 55.5068
1.3459972054211062 0.09091560898432091
Epoch 43, Time(s): 20.8417, estimated train loss 1.3227, acc 61.5049
Time: 1.4231290817260742, Val loss: 1.6483454704284668, Test loss: 1.7228424549102783
Val acc: 57.2604, Test acc: 55.4830
Best Epoch 40,Val 57.4485, Test 55.5068
1.3415101766586304 0.08893590509446699
Epoch 44, Time(s): 21.0989, estimated train loss 1.3174, acc 61.5842
Time: 1.392603874206543, Val loss: 1.6261117458343506, Test loss: 1.7085422277450562
Val acc: 57.6242, Test acc: 55.5903
Best Epoch 44,Val 57.6242, Test 55.5903
1.3373167194537263 0.08720148276926866
Epoch 45, Time(s): 21.2853, estimated train loss 1.3125, acc 61.6934
Time: 1.4266798496246338, Val loss: 1.6449027061462402, Test loss: 1.7322912216186523
Val acc: 57.2774, Test acc: 55.0895
Best Epoch 44,Val 57.6242, Test 55.5903
1.334355382776972 0.08815697046803005
Epoch 46, Time(s): 20.7046, estimated train loss 1.3102, acc 61.7576
Time: 1.527310848236084, Val loss: 1.6547863483428955, Test loss: 1.735901951789856
Val acc: 57.1510, Test acc: 55.0395
Best Epoch 44,Val 57.6242, Test 55.5903
1.3285753246563583 0.08490465870544092
Epoch 47, Time(s): 20.7860, estimated train loss 1.3030, acc 61.8780
Time: 1.4628067016601562, Val loss: 1.6355928182601929, Test loss: 1.713140606880188

Val acc: 57.4855, Test acc: 55.6093
Best Epoch 44,Val 57.6242, Test 55.5903
1.3247515995111039 0.08500875621589261
Epoch 48, Time(s): 20.8614, estimated train loss 1.2994, acc 61.9355
Time: 1.4557220935821533, Val loss: 1.626706838607788, Test loss: 1.7061688899993896
Val acc: 57.5178, Test acc: 55.5879
Best Epoch 44,Val 57.6242, Test 55.5903
1.320540371225841 0.08354400098323822
Epoch 49, Time(s): 23.7642, estimated train loss 1.2947, acc 62.0032
Time: 1.6485188007354736, Val loss: 1.6520086526870728, Test loss: 1.7418574094772339
Val acc: 57.4608, Test acc: 55.5855
Best Epoch 44,Val 57.6242, Test 55.5903
1.3136635929790896 0.08328415164306982
Epoch 50, Time(s): 23.2755, estimated train loss 1.2880, acc 62.1711
Time: 1.5635528564453125, Val loss: 1.6473548412322998, Test loss: 1.735256314277649
Val acc: 57.5163, Test acc: 55.4234
Best Epoch 44,Val 57.6242, Test 55.5903
1.312738256667977 0.08217595717800197
Epoch 51, Time(s): 23.2008, estimated train loss 1.2866, acc 62.1850
Time: 1.5490903854370117, Val loss: 1.6356734037399292, Test loss: 1.7174022197723389
Val acc: 57.5317, Test acc: 55.7286
Best Epoch 44,Val 57.6242, Test 55.5903
1.3077786039950243 0.08078368352865105
Epoch 52, Time(s): 23.3466, estimated train loss 1.2811, acc 62.2910
Time: 1.5429561138153076, Val loss: 1.648906946182251, Test loss: 1.731052279472351
Val acc: 57.2281, Test acc: 55.1730
Best Epoch 44,Val 57.6242, Test 55.5903
1.3041021485826862 0.07968954041377822
Epoch 53, Time(s): 22.3397, estimated train loss 1.2770, acc 62.3868
Time: 1.4989354610443115, Val loss: 1.654302716255188, Test loss: 1.7354055643081665
Val acc: 57.1988, Test acc: 55.4377
Best Epoch 44,Val 57.6242, Test 55.5903
1.299261797719927 0.0791749310360026
Epoch 54, Time(s): 22.2393, estimated train loss 1.2722, acc 62.4671
Time: 1.5280346870422363, Val loss: 1.6492319107055664, Test loss: 1.7392187118530273
Val acc: 57.5132, Test acc: 55.7071
Best Epoch 44,Val 57.6242, Test 55.5903
1.2967863420941936 0.07859492946916552
Epoch 55, Time(s): 22.9922, estimated train loss 1.2695, acc 62.4725
Time: 1.5309059619903564, Val loss: 1.655432939529419, Test loss: 1.743312120437622
Val acc: 57.3822, Test acc: 55.4782
Best Epoch 44,Val 57.6242, Test 55.5903
1.2942526180352738 0.07742216421374634
Epoch 56, Time(s): 21.7098, estimated train loss 1.2665, acc 62.5416

Time: 1.5714244842529297, Val loss: 1.647729516029358, Test loss: 1.7310563325881958
Val acc: 57.3976, Test acc: 55.5235
Best Epoch 44,Val 57.6242, Test 55.5903
1.2882610417124052 0.07617054190208662
Epoch 57, Time(s): 22.2209, estimated train loss 1.2602, acc 62.6820
Time: 1.4561481475830078, Val loss: 1.6650413274765015, Test loss: 1.7471524477005005
Val acc: 57.1988, Test acc: 55.3804
Best Epoch 44,Val 57.6242, Test 55.5903
1.2845915751670725 0.07699993742046071
Epoch 58, Time(s): 21.2630, estimated train loss 1.2571, acc 62.6925
Time: 1.5496129989624023, Val loss: 1.6675273180007935, Test loss: 1.7522679567337036
Val acc: 57.3776, Test acc: 55.5688
Best Epoch 44,Val 57.6242, Test 55.5903
1.282016190130319 0.07644124390251601
Epoch 59, Time(s): 22.1363, estimated train loss 1.2544, acc 62.8078
Time: 1.4826550483703613, Val loss: 1.6632524728775024, Test loss: 1.739251732826233
Val acc: 57.4747, Test acc: 55.7572
Best Epoch 44,Val 57.6242, Test 55.5903
1.2771990192470266 0.07424199408782062
Epoch 60, Time(s): 21.5422, estimated train loss 1.2487, acc 62.9611
Time: 1.53680419921875, Val loss: 1.656782627105713, Test loss: 1.736255168914795
Val acc: 57.4423, Test acc: 55.5044
Best Epoch 44,Val 57.6242, Test 55.5903
1.2747640787665524 0.0738109442502705
Epoch 61, Time(s): 22.3853, estimated train loss 1.2461, acc 62.9681
Time: 1.4752321243286133, Val loss: 1.6609946489334106, Test loss: 1.7415364980697632
Val acc: 57.2897, Test acc: 55.4520
Best Epoch 44,Val 57.6242, Test 55.5903
1.2718061973799522 0.07186990131193133
Epoch 62, Time(s): 21.6665, estimated train loss 1.2423, acc 63.0429
Time: 1.4726097583770752, Val loss: 1.658697247505188, Test loss: 1.7455191612243652
Val acc: 57.6812, Test acc: 55.7810
Best Epoch 62,Val 57.6812, Test 55.7810
1.2688461008356577 0.0736324740990774
Epoch 63, Time(s): 22.2785, estimated train loss 1.2404, acc 63.0887
Time: 1.483963966369629, Val loss: 1.6726230382919312, Test loss: 1.7599962949752808
Val acc: 57.4963, Test acc: 55.7119
Best Epoch 62,Val 57.6812, Test 55.7810
1.2637636234511191 0.07322549035967287
Epoch 64, Time(s): 22.4025, estimated train loss 1.2354, acc 63.1798
Time: 1.464289903640747, Val loss: 1.6809828281402588, Test loss: 1.76719069480896
Val acc: 57.2974, Test acc: 55.4806
Best Epoch 62,Val 57.6812, Test 55.7810
1.2608445473571321 0.07245889411710982

Epoch 65, Time(s): 21.4267, estimated train loss 1.2322, acc 63.2427
Time: 1.4820573329925537, Val loss: 1.6782511472702026, Test loss: 1.770038366317749
Val acc: 57.6273, Test acc: 55.6880
Best Epoch 62,Val 57.6812, Test 55.7810
1.2577915672046036 0.07217940504648793
Epoch 66, Time(s): 22.0507, estimated train loss 1.2292, acc 63.3347
Time: 1.4294030666351318, Val loss: 1.6893186569213867, Test loss: 1.776158332824707
Val acc: 57.2466, Test acc: 55.1921
Best Epoch 62,Val 57.6812, Test 55.7810
1.255080472177534 0.07219880352269357
Epoch 67, Time(s): 21.9908, estimated train loss 1.2266, acc 63.3938
Time: 1.4182889461517334, Val loss: 1.665448784828186, Test loss: 1.748665690422058
Val acc: 57.5456, Test acc: 55.7071
Best Epoch 62,Val 57.6812, Test 55.7810
1.251065257769912 0.07034465487101185
Epoch 68, Time(s): 21.3129, estimated train loss 1.2219, acc 63.5574
Time: 1.4486329555511475, Val loss: 1.6763144731521606, Test loss: 1.76166570186615
Val acc: 57.3082, Test acc: 55.4234
Best Epoch 62,Val 57.6812, Test 55.7810
1.2483475564131097 0.06828120595483637
Epoch 69, Time(s): 21.6466, estimated train loss 1.2182, acc 63.5830
Time: 1.4260118007659912, Val loss: 1.676762580871582, Test loss: 1.7656644582748413
Val acc: 57.3298, Test acc: 55.4782
Best Epoch 62,Val 57.6812, Test 55.7810
1.2455437823907654 0.06865974693600811
Epoch 70, Time(s): 21.6885, estimated train loss 1.2157, acc 63.5528
Time: 1.4276747703552246, Val loss: 1.6653337478637695, Test loss: 1.747904658317566
Val acc: 57.4516, Test acc: 55.6260
Best Epoch 62,Val 57.6812, Test 55.7810
1.2421983551623217 0.06700110891416891
Epoch 71, Time(s): 21.8311, estimated train loss 1.2117, acc 63.6484
Time: 1.418097734451294, Val loss: 1.6872786283493042, Test loss: 1.7756448984146118
Val acc: 57.4531, Test acc: 55.3685
Best Epoch 62,Val 57.6812, Test 55.7810
1.239461439758984 0.06833294211928524
Epoch 72, Time(s): 21.1263, estimated train loss 1.2098, acc 63.7080
Time: 1.4202909469604492, Val loss: 1.6727558374404907, Test loss: 1.7584246397018433
Val acc: 57.2312, Test acc: 55.2350
Best Epoch 62,Val 57.6812, Test 55.7810
1.2354753657953064 0.06898252009900648
Epoch 73, Time(s): 21.2632, estimated train loss 1.2064, acc 63.8103
Time: 1.4371528625488281, Val loss: 1.6842659711837769, Test loss: 1.7685563564300537
Val acc: 57.4007, Test acc: 55.5879
Best Epoch 62,Val 57.6812, Test 55.7810

1.2359686929788163 0.06881426680666297
Epoch 74, Time(s): 21.3115, estimated train loss 1.2067, acc 63.8446
Time: 1.4258654117584229, Val loss: 1.6818873882293701, Test loss: 1.7700622081756592
Val acc: 57.5826, Test acc: 55.4734
Best Epoch 62,Val 57.6812, Test 55.7810
1.2304714242024208 0.06702377391395284
Epoch 75, Time(s): 21.2756, estimated train loss 1.2006, acc 63.9231
Time: 1.418696641921997, Val loss: 1.6725610494613647, Test loss: 1.7613428831100464
Val acc: 57.4300, Test acc: 55.2827
Best Epoch 62,Val 57.6812, Test 55.7810
1.228199154583376 0.0658431977812034
Epoch 76, Time(s): 20.9582, estimated train loss 1.1978, acc 64.0199
Time: 1.4116597175598145, Val loss: 1.6865097284317017, Test loss: 1.7761331796646118
Val acc: 57.3113, Test acc: 55.3924
Best Epoch 62,Val 57.6812, Test 55.7810
1.2234540448259952 0.06596851410038436
Epoch 77, Time(s): 21.2276, estimated train loss 1.1934, acc 64.0201
Time: 1.4381554126739502, Val loss: 1.6807647943496704, Test loss: 1.7720175981521606
Val acc: 57.6812, Test acc: 55.7047
Best Epoch 62,Val 57.6812, Test 55.7810
1.2222244846287058 0.06498841085095904
Epoch 78, Time(s): 21.3287, estimated train loss 1.1917, acc 64.1010
Time: 1.4650156497955322, Val loss: 1.6780897378921509, Test loss: 1.7615021467208862
Val acc: 57.6072, Test acc: 55.7047
Best Epoch 62,Val 57.6812, Test 55.7810
1.2196982565210825 0.06477984063216109
Epoch 79, Time(s): 21.4472, estimated train loss 1.1892, acc 64.1210
Time: 1.4604594707489014, Val loss: 1.6866716146469116, Test loss: 1.7671449184417725
Val acc: 57.4855, Test acc: 55.6976
Best Epoch 62,Val 57.6812, Test 55.7810
1.216156018314077 0.06477428222102906
Epoch 80, Time(s): 21.2237, estimated train loss 1.1858, acc 64.2245
Time: 1.4326391220092773, Val loss: 1.6780977249145508, Test loss: 1.7631514072418213
Val acc: 57.5687, Test acc: 55.8883
Best Epoch 62,Val 57.6812, Test 55.7810
1.2155216594240559 0.06560687743016143
Epoch 81, Time(s): 21.8838, estimated train loss 1.1857, acc 64.2183
Time: 1.44944429397583, Val loss: 1.671406865119934, Test loss: 1.754889965057373
Val acc: 57.6797, Test acc: 55.7786
Best Epoch 62,Val 57.6812, Test 55.7810
1.21196529580586 0.06448549354699121
Epoch 82, Time(s): 21.7379, estimated train loss 1.1817, acc 64.3778
Time: 1.3987712860107422, Val loss: 1.6990456581115723, Test loss: 1.7857502698898315
Val acc: 57.4516, Test acc: 55.7166

Best Epoch 62,Val 57.6812, Test 55.7810
1.2105265482148129 0.06393231940803243
Epoch 83, Time(s): 21.4481, estimated train loss 1.1801, acc 64.3962
Time: 1.4249939918518066, Val loss: 1.7031152248382568, Test loss: 1.797569990158081
Val acc: 57.3236, Test acc: 55.3804
Best Epoch 62,Val 57.6812, Test 55.7810
1.2061776296416324 0.06321549843718756
Epoch 84, Time(s): 20.5198, estimated train loss 1.1755, acc 64.4162
Time: 1.429208755493164, Val loss: 1.690077304840088, Test loss: 1.772747278213501
Val acc: 57.4654, Test acc: 55.7882
Best Epoch 62,Val 57.6812, Test 55.7810
1.2067640272539053 0.06402150041131831
Epoch 85, Time(s): 21.1540, estimated train loss 1.1765, acc 64.4863
Time: 1.444826364517212, Val loss: 1.6977769136428833, Test loss: 1.7840111255645752
Val acc: 57.4007, Test acc: 55.5497
Best Epoch 62,Val 57.6812, Test 55.7810
1.2032122113811436 0.06270490931486015
Epoch 86, Time(s): 21.3278, estimated train loss 1.1725, acc 64.5044
Time: 1.431823968887329, Val loss: 1.700127363204956, Test loss: 1.7853742837905884
Val acc: 57.5379, Test acc: 55.8573
Best Epoch 62,Val 57.6812, Test 55.7810
1.201892783392721 0.06377973563190717
Epoch 87, Time(s): 21.2199, estimated train loss 1.1718, acc 64.5822
Time: 1.4011738300323486, Val loss: 1.7079366445541382, Test loss: 1.7950520515441895
Val acc: 57.3637, Test acc: 55.5783
Best Epoch 62,Val 57.6812, Test 55.7810
1.1977248476512397 0.06277686768948142
Epoch 88, Time(s): 20.5518, estimated train loss 1.1673, acc 64.6664
Time: 1.4851605892181396, Val loss: 1.6861615180969238, Test loss: 1.7722821235656738
Val acc: 57.4963, Test acc: 55.7262
Best Epoch 62,Val 57.6812, Test 55.7810
1.1940933127901447 0.06258455958606592
Epoch 89, Time(s): 21.4363, estimated train loss 1.1638, acc 64.7557
Time: 1.4612278938293457, Val loss: 1.7087116241455078, Test loss: 1.795552372932434
Val acc: 57.2666, Test acc: 55.5640
Best Epoch 62,Val 57.6812, Test 55.7810
1.192940073226815 0.06116360370347749
Epoch 90, Time(s): 21.3338, estimated train loss 1.1620, acc 64.7360
Time: 1.407149076461792, Val loss: 1.720164179801941, Test loss: 1.8149727582931519
Val acc: 57.6365, Test acc: 55.6904
Best Epoch 62,Val 57.6812, Test 55.7810
1.193261548654357 0.06220936641764285
Epoch 91, Time(s): 21.2324, estimated train loss 1.1628, acc 64.7535
Time: 1.4032630920410156, Val loss: 1.7006146907806396, Test loss: 1.78630793094635

Val acc: 57.4439, Test acc: 55.6141
Best Epoch 62,Val 57.6812, Test 55.7810
1.1891829807366898 0.060903658617788285
Epoch 92, Time(s): 20.5972, estimated train loss 1.1582, acc 64.8511
Time: 1.4632041454315186, Val loss: 1.700744867324829, Test loss: 1.7780094146728516
Val acc: 57.4747, Test acc: 55.8192
Best Epoch 62,Val 57.6812, Test 55.7810
1.1861316766311873 0.060501971240363904
Epoch 93, Time(s): 21.1259, estimated train loss 1.1551, acc 64.8991
Time: 1.423041582107544, Val loss: 1.7004228830337524, Test loss: 1.787345290184021
Val acc: 57.5579, Test acc: 55.7143
Best Epoch 62,Val 57.6812, Test 55.7810
1.1847912500153726 0.061181632940893745
Epoch 94, Time(s): 21.8164, estimated train loss 1.1542, acc 64.9242
Time: 1.4232466220855713, Val loss: 1.7030822038650513, Test loss: 1.7890548706054688
Val acc: 57.4963, Test acc: 55.6928
Best Epoch 62,Val 57.6812, Test 55.7810
1.182304330726168 0.0599812796311592
Epoch 95, Time(s): 21.8980, estimated train loss 1.1512, acc 65.0011
Time: 1.4643702507019043, Val loss: 1.716046690940857, Test loss: 1.7999627590179443
Val acc: 57.1880, Test acc: 55.4186
Best Epoch 62,Val 57.6812, Test 55.7810
1.1803110571049933 0.05954909191202762
Epoch 96, Time(s): 20.8338, estimated train loss 1.1491, acc 65.0767
Time: 1.4760680198669434, Val loss: 1.702405333518982, Test loss: 1.7950844764709473
Val acc: 57.5995, Test acc: 55.9455
Best Epoch 62,Val 57.6812, Test 55.7810
1.1785619774861122 0.05978792827965608
Epoch 97, Time(s): 21.6966, estimated train loss 1.1476, acc 65.0281
Time: 1.435621976852417, Val loss: 1.7102506160736084, Test loss: 1.7986750602722168
Val acc: 57.4022, Test acc: 55.6546
Best Epoch 62,Val 57.6812, Test 55.7810
1.1754413149250087 0.05950115181839288
Epoch 98, Time(s): 21.8007, estimated train loss 1.1445, acc 65.1270
Time: 1.4418399333953857, Val loss: 1.6988744735717773, Test loss: 1.7857850790023804
Val acc: 57.6242, Test acc: 56.0385
Best Epoch 62,Val 57.6812, Test 55.7810
1.171548871851679 0.06027733167605614
Epoch 99, Time(s): 21.6417, estimated train loss 1.1412, acc 65.2468
Time: 1.4011669158935547, Val loss: 1.7161836624145508, Test loss: 1.8041932582855225
Val acc: 57.5271, Test acc: 55.8883
Best Epoch 62,Val 57.6812, Test 55.7810
1.1719330709371993 0.05866374364539759
Epoch 100, Time(s): 21.3277, estimated train loss 1.1407, acc 65.2397

Time: 1.4387917518615723, Val loss: 1.7221322059631348, Test loss: 1.8125413656234741
Val acc: 57.1664, Test acc: 55.4234
Best Epoch 62,Val 57.6812, Test 55.7810
1.1698358752834264 0.0604763248407129
Epoch 101, Time(s): 21.9580, estimated train loss 1.1397, acc 65.3188
Time: 1.4474010467529297, Val loss: 1.7176003456115723, Test loss: 1.8108869791030884
Val acc: 57.4716, Test acc: 55.6427
Best Epoch 62,Val 57.6812, Test 55.7810
1.1661677876515175 0.058444291742435144
Epoch 102, Time(s): 21.9611, estimated train loss 1.1351, acc 65.4201
Time: 1.4381260871887207, Val loss: 1.7290302515029907, Test loss: 1.8099350929260254
Val acc: 57.4300, Test acc: 55.7333
Best Epoch 62,Val 57.6812, Test 55.7810
1.1656207913783059 0.05804364016251778
Epoch 103, Time(s): 21.6255, estimated train loss 1.1344, acc 65.4139
Time: 1.400918960571289, Val loss: 1.731948733329773, Test loss: 1.8254075050354004
Val acc: 57.4269, Test acc: 55.5879
Best Epoch 62,Val 57.6812, Test 55.7810
1.163139877034657 0.05792714110506115
Epoch 104, Time(s): 21.1435, estimated train loss 1.1320, acc 65.3936
Time: 1.467376947402954, Val loss: 1.7369787693023682, Test loss: 1.8303098678588867
Val acc: 57.4223, Test acc: 55.5402
Best Epoch 62,Val 57.6812, Test 55.7810
1.1605600527863005 0.0589011222012897
Epoch 105, Time(s): 21.7774, estimated train loss 1.1301, acc 65.4692
Time: 1.442896842956543, Val loss: 1.7416722774505615, Test loss: 1.841186761856079
Val acc: 57.3930, Test acc: 55.5545
Best Epoch 62,Val 57.6812, Test 55.7810
1.1609288863281706 0.05852713674974086
Epoch 106, Time(s): 21.8594, estimated train loss 1.1302, acc 65.4193
Time: 1.4371826648712158, Val loss: 1.709306001663208, Test loss: 1.7966257333755493
Val acc: 57.5502, Test acc: 55.8096
Best Epoch 62,Val 57.6812, Test 55.7810
1.1582097918239993 0.05801330662485379
Epoch 107, Time(s): 21.6930, estimated train loss 1.1274, acc 65.5229
Time: 1.3948636054992676, Val loss: 1.7160731554031372, Test loss: 1.7981467247009277
Val acc: 57.4778, Test acc: 55.8049
Best Epoch 62,Val 57.6812, Test 55.7810
1.155170273424974 0.05740046351036029
Epoch 108, Time(s): 21.1398, estimated train loss 1.1242, acc 65.5880
Time: 1.4697000980377197, Val loss: 1.7376567125320435, Test loss: 1.829655647277832
Val acc: 57.2697, Test acc: 55.4019
Best Epoch 62,Val 57.6812, Test 55.7810
1.153247874174545 0.05718960879898783

Epoch 109, Time(s): 21.7264, estimated train loss 1.1222, acc 65.5858
Time: 1.4167532920837402, Val loss: 1.7364213466644287, Test loss: 1.8297162055969238
Val acc: 57.3190, Test acc: 55.4997
Best Epoch 62,Val 57.6812, Test 55.7810
1.1528046113341601 0.05661065676319065
Epoch 110, Time(s): 21.5519, estimated train loss 1.1215, acc 65.6711
Time: 1.4404213428497314, Val loss: 1.7399028539657593, Test loss: 1.837377667427063
Val acc: 57.4022, Test acc: 55.6046
Best Epoch 62,Val 57.6812, Test 55.7810
1.1510460181022757 0.05580338585510183
Epoch 111, Time(s): 21.3951, estimated train loss 1.1194, acc 65.7136
Time: 1.4099700450897217, Val loss: 1.7257251739501953, Test loss: 1.8150426149368286
Val acc: 57.5826, Test acc: 55.9408
Best Epoch 62,Val 57.6812, Test 55.7810
1.1485915735586365 0.056394067662420555
Epoch 112, Time(s): 21.2994, estimated train loss 1.1174, acc 65.7422
Time: 1.4792473316192627, Val loss: 1.735918641090393, Test loss: 1.8265228271484375
Val acc: 57.5857, Test acc: 55.6761
Best Epoch 62,Val 57.6812, Test 55.7810
1.1474631597746665 0.05645556180779614
Epoch 113, Time(s): 21.7366, estimated train loss 1.1164, acc 65.7640
Time: 1.4049630165100098, Val loss: 1.7504011392593384, Test loss: 1.8463099002838135
Val acc: 57.0940, Test acc: 55.2088
Best Epoch 62,Val 57.6812, Test 55.7810
1.1461864656476832 0.05580319897897208
Epoch 114, Time(s): 21.3300, estimated train loss 1.1148, acc 65.7945
Time: 1.4073104858398438, Val loss: 1.7323334217071533, Test loss: 1.823240876197815
Val acc: 57.4531, Test acc: 55.7214
Best Epoch 62,Val 57.6812, Test 55.7810
1.1423280808463026 0.05822554842304828
Epoch 115, Time(s): 21.1654, estimated train loss 1.1125, acc 65.8928
Time: 1.3423497676849365, Val loss: 1.7259294986724854, Test loss: 1.818199634552002
Val acc: 57.4963, Test acc: 55.7190
Best Epoch 62,Val 57.6812, Test 55.7810
1.1414298566419687 0.056549511738677526
Epoch 116, Time(s): 20.6880, estimated train loss 1.1107, acc 65.9559
Time: 1.4750194549560547, Val loss: 1.7296918630599976, Test loss: 1.8249695301055908
Val acc: 57.6072, Test acc: 55.7023
Best Epoch 62,Val 57.6812, Test 55.7810
1.1416337952685 0.05618098044573371
Epoch 117, Time(s): 20.9429, estimated train loss 1.1107, acc 65.8931
Time: 1.407240867614746, Val loss: 1.736010193824768, Test loss: 1.8294092416763306
Val acc: 57.6088, Test acc: 55.6785
Best Epoch 62,Val 57.6812, Test 55.7810

1.1369426695268545 0.05540784648550091
Epoch 118, Time(s): 21.2379, estimated train loss 1.1059, acc 66.0188
Time: 1.4627113342285156, Val loss: 1.7372610569000244, Test loss: 1.8313950300216675
Val acc: 57.6288, Test acc: 55.8287
Best Epoch 62,Val 57.6812, Test 55.7810
1.135229091146099 0.05538703957155569
Epoch 119, Time(s): 21.3548, estimated train loss 1.1042, acc 66.0011
Time: 1.3994967937469482, Val loss: 1.7384376525878906, Test loss: 1.826613187789917
Val acc: 57.5009, Test acc: 55.7906
Best Epoch 62,Val 57.6812, Test 55.7810
1.1338192438011738 0.055390131562503414
Epoch 120, Time(s): 21.0983, estimated train loss 1.1029, acc 66.0810
Time: 1.4677338600158691, Val loss: 1.7395365238189697, Test loss: 1.8297983407974243
Val acc: 57.5502, Test acc: 55.7977
Best Epoch 62,Val 57.6812, Test 55.7810
1.1329691961630066 0.05510492684013808
Epoch 121, Time(s): 21.7177, estimated train loss 1.1019, acc 66.1115
Time: 1.435685396194458, Val loss: 1.7481896877288818, Test loss: 1.8428226709365845
Val acc: 57.4115, Test acc: 55.4639
Best Epoch 62,Val 57.6812, Test 55.7810
1.1310669984390487 0.05360055509120671
Epoch 122, Time(s): 21.6535, estimated train loss 1.0993, acc 66.1689
Time: 1.4522559642791748, Val loss: 1.7448183298110962, Test loss: 1.8370758295059204
Val acc: 57.4947, Test acc: 55.6165
Best Epoch 62,Val 57.6812, Test 55.7810
1.1279356479644775 0.05429599589821118
Epoch 123, Time(s): 21.6913, estimated train loss 1.0967, acc 66.2610
Time: 1.3857667446136475, Val loss: 1.738068699836731, Test loss: 1.8302080631256104
Val acc: 57.5178, Test acc: 55.7691
Best Epoch 62,Val 57.6812, Test 55.7810
1.1263439192700742 0.054739113507875754
Epoch 124, Time(s): 21.0914, estimated train loss 1.0955, acc 66.2450
Time: 1.4532814025878906, Val loss: 1.7555044889450073, Test loss: 1.8532135486602783
Val acc: 57.5810, Test acc: 55.7166
Best Epoch 62,Val 57.6812, Test 55.7810
1.1256044088904538 0.05330192325497741
Epoch 125, Time(s): 21.7028, estimated train loss 1.0940, acc 66.2940
Time: 1.4247448444366455, Val loss: 1.7417207956314087, Test loss: 1.8340692520141602
Val acc: 57.4053, Test acc: 55.6070
Best Epoch 62,Val 57.6812, Test 55.7810
1.125326923469999 0.05417445340930526
Epoch 126, Time(s): 21.7990, estimated train loss 1.0942, acc 66.2936
Time: 1.4518122673034668, Val loss: 1.7535923719406128, Test loss: 1.8523720502853394
Val acc: 57.3206, Test acc: 55.3280

Best Epoch 62,Val 57.6812, Test 55.7810
1.124089018622441 0.05452235966031231
Epoch 127, Time(s): 21.6572, estimated train loss 1.0932, acc 66.2661
Time: 1.4004030227661133, Val loss: 1.7533701658248901, Test loss: 1.8427058458328247
Val acc: 57.5702, Test acc: 55.8502
Best Epoch 62,Val 57.6812, Test 55.7810
1.1219739469129648 0.05311467798788156
Epoch 128, Time(s): 21.3118, estimated train loss 1.0904, acc 66.3188
Time: 1.4627025127410889, Val loss: 1.7443643808364868, Test loss: 1.8382974863052368
Val acc: 57.6411, Test acc: 55.9694
Best Epoch 62,Val 57.6812, Test 55.7810
1.120539206177441 0.053594745250780194
Epoch 129, Time(s): 21.7640, estimated train loss 1.0894, acc 66.3968
Time: 1.4328241348266602, Val loss: 1.7524651288986206, Test loss: 1.8459649085998535
Val acc: 57.2558, Test acc: 55.4186
Best Epoch 62,Val 57.6812, Test 55.7810
1.1201577239961766 0.05422010411744687
Epoch 130, Time(s): 21.4394, estimated train loss 1.0893, acc 66.4025
Time: 1.4224309921264648, Val loss: 1.7512611150741577, Test loss: 1.8437069654464722
Val acc: 57.4115, Test acc: 55.4734
Best Epoch 62,Val 57.6812, Test 55.7810
1.1159696596771924 0.05395701260709051
Epoch 131, Time(s): 21.0695, estimated train loss 1.0852, acc 66.4748
Time: 1.4158177375793457, Val loss: 1.756439447402954, Test loss: 1.855279564857483
Val acc: 57.5040, Test acc: 55.5855
Best Epoch 62,Val 57.6812, Test 55.7810
1.116079624019452 0.053682260493289176
Epoch 132, Time(s): 20.6516, estimated train loss 1.0852, acc 66.4354
Time: 1.4272706508636475, Val loss: 1.740677833557129, Test loss: 1.8318721055984497
Val acc: 57.6180, Test acc: 55.8287
Best Epoch 62,Val 57.6812, Test 55.7810
1.1136186799006675 0.05279786729100925
Epoch 133, Time(s): 21.1430, estimated train loss 1.0824, acc 66.5237
Time: 1.4129340648651123, Val loss: 1.755443811416626, Test loss: 1.8389500379562378
Val acc: 57.3899, Test acc: 55.6189
Best Epoch 62,Val 57.6812, Test 55.7810
1.1125313684121887 0.053954667953857734
Epoch 134, Time(s): 21.2960, estimated train loss 1.0820, acc 66.5850
Time: 1.5130059719085693, Val loss: 1.75963294506073, Test loss: 1.84613835811615
Val acc: 57.4824, Test acc: 55.6499
Best Epoch 62,Val 57.6812, Test 55.7810
1.1119262353697819 0.05251009884610105
Epoch 135, Time(s): 21.0038, estimated train loss 1.0806, acc 66.5612
Time: 1.46159029006958, Val loss: 1.7520016431808472, Test loss: 1.842665672302246

Val acc: 57.7552, Test acc: 55.8120
Best Epoch 135,Val 57.7552, Test 55.8120
1.109270243502375 0.053332526681583316
Epoch 136, Time(s): 20.8164, estimated train loss 1.0786, acc 66.6414
Time: 1.4728515148162842, Val loss: 1.7598611116409302, Test loss: 1.8480576276779175
Val acc: 57.3930, Test acc: 55.4210
Best Epoch 135,Val 57.7552, Test 55.8120
1.1086234103387862 0.05344443039885208
Epoch 137, Time(s): 21.3102, estimated train loss 1.0780, acc 66.6697
Time: 1.4226574897766113, Val loss: 1.7647579908370972, Test loss: 1.8517539501190186
Val acc: 57.3776, Test acc: 55.5855
Best Epoch 135,Val 57.7552, Test 55.8120
1.1071659468892794 0.05286852042399236
Epoch 138, Time(s): 21.2741, estimated train loss 1.0763, acc 66.6930
Time: 1.4287865161895752, Val loss: 1.7613401412963867, Test loss: 1.85399329662323
Val acc: 57.7090, Test acc: 55.8430
Best Epoch 135,Val 57.7552, Test 55.8120
1.1070002264051295 0.052950689986125746
Epoch 139, Time(s): 21.0882, estimated train loss 1.0762, acc 66.6976
Time: 1.377711296081543, Val loss: 1.788119912147522, Test loss: 1.872877836227417
Val acc: 57.2173, Test acc: 55.6642
Best Epoch 135,Val 57.7552, Test 55.8120
1.1044060347685174 0.05277264340599971
Epoch 140, Time(s): 20.6489, estimated train loss 1.0736, acc 66.8184
Time: 1.4918017387390137, Val loss: 1.747049331665039, Test loss: 1.834283709526062
Val acc: 57.5518, Test acc: 55.6475
Best Epoch 135,Val 57.7552, Test 55.8120
1.1025179357671027 0.05233222424094357
Epoch 141, Time(s): 21.3773, estimated train loss 1.0716, acc 66.8754
Time: 1.4269118309020996, Val loss: 1.7638267278671265, Test loss: 1.8541244268417358
Val acc: 57.5394, Test acc: 55.7452
Best Epoch 135,Val 57.7552, Test 55.8120
1.1030059768192804 0.05310340731668828
Epoch 142, Time(s): 21.3987, estimated train loss 1.0725, acc 66.7863
Time: 1.4394292831420898, Val loss: 1.7850399017333984, Test loss: 1.8762568235397339
Val acc: 57.2635, Test acc: 55.5616
Best Epoch 135,Val 57.7552, Test 55.8120
1.100964725907169 0.05357622916796314
Epoch 143, Time(s): 21.0793, estimated train loss 1.0708, acc 66.8257
Time: 1.392005443572998, Val loss: 1.7467881441116333, Test loss: 1.8367419242858887
Val acc: 57.7105, Test acc: 55.8454
Best Epoch 135,Val 57.7552, Test 55.8120
1.0981164441179874 0.05216599745092107
Epoch 144, Time(s): 20.9939, estimated train loss 1.0673, acc 66.9010

Time: 1.511049747467041, Val loss: 1.7587474584579468, Test loss: 1.8460954427719116
Val acc: 57.5240, Test acc: 55.8025
Best Epoch 135,Val 57.7552, Test 55.8120
1.0976124361379822 0.04993876759240876
Epoch 145, Time(s): 21.2933, estimated train loss 1.0657, acc 66.8962
Time: 1.4219551086425781, Val loss: 1.7692639827728271, Test loss: 1.8640995025634766
Val acc: 57.5841, Test acc: 55.8049
Best Epoch 135,Val 57.7552, Test 55.8120
1.0973139574278648 0.0511950465725429
Epoch 146, Time(s): 21.4081, estimated train loss 1.0661, acc 66.9054
Time: 1.4398655891418457, Val loss: 1.7740544080734253, Test loss: 1.8681751489639282
Val acc: 57.5471, Test acc: 55.4877
Best Epoch 135,Val 57.7552, Test 55.8120
1.0942082814316252 0.05120910626294008
Epoch 147, Time(s): 20.9680, estimated train loss 1.0631, acc 66.9720
Time: 1.3964715003967285, Val loss: 1.7669569253921509, Test loss: 1.8571957349777222
Val acc: 57.6134, Test acc: 55.5140
Best Epoch 135,Val 57.7552, Test 55.8120
1.0933089540965522 0.05079778684164161
Epoch 148, Time(s): 20.7464, estimated train loss 1.0621, acc 67.0066
Time: 1.4570362567901611, Val loss: 1.7671276330947876, Test loss: 1.862236499786377
Val acc: 57.5749, Test acc: 55.6976
Best Epoch 135,Val 57.7552, Test 55.8120
1.0921535723244966 0.050838221198142464
Epoch 149, Time(s): 21.3158, estimated train loss 1.0610, acc 67.0023
Time: 1.4426393508911133, Val loss: 1.766859769821167, Test loss: 1.8646236658096313
Val acc: 57.9510, Test acc: 55.8669
Best Epoch 149,Val 57.9510, Test 55.8669
1.0915292465864723 0.05040751297527285
Epoch 150, Time(s): 21.4846, estimated train loss 1.0602, acc 67.0742
Time: 1.4561476707458496, Val loss: 1.7822808027267456, Test loss: 1.8699707984924316
Val acc: 57.3730, Test acc: 55.6689
Best Epoch 149,Val 57.9510, Test 55.8669
1.0908501842128697 0.052843612076631234
Epoch 151, Time(s): 20.8679, estimated train loss 1.0608, acc 67.0860
Time: 1.4534971714019775, Val loss: 1.7853977680206299, Test loss: 1.8722463846206665
Val acc: 57.4469, Test acc: 55.5068
Best Epoch 149,Val 57.9510, Test 55.8669
1.0883216822325295 0.05044272113869439
Epoch 152, Time(s): 20.8201, estimated train loss 1.0572, acc 67.1146
Time: 1.4651494026184082, Val loss: 1.764134407043457, Test loss: 1.850526213645935
Val acc: 57.4562, Test acc: 55.6189
Best Epoch 149,Val 57.9510, Test 55.8669
1.0873482476419478 0.051174807403959445

Epoch 153, Time(s): 21.0735, estimated train loss 1.0567, acc 67.1567
Time: 1.3961753845214844, Val loss: 1.766783356666565, Test loss: 1.861914038658142
Val acc: 57.6288, Test acc: 55.6308
Best Epoch 149,Val 57.9510, Test 55.8669
1.0856640765916055 0.04993833868361231
Epoch 154, Time(s): 21.3354, estimated train loss 1.0544, acc 67.1807
Time: 1.4418666362762451, Val loss: 1.7632684707641602, Test loss: 1.861868977546692
Val acc: 57.7352, Test acc: 55.8216
Best Epoch 149,Val 57.9510, Test 55.8669
1.0857689950003553 0.05163167422609543
Epoch 155, Time(s): 20.9179, estimated train loss 1.0554, acc 67.2139
Time: 1.4619646072387695, Val loss: 1.7778091430664062, Test loss: 1.8636012077331543
Val acc: 57.6381, Test acc: 55.8072
Best Epoch 149,Val 57.9510, Test 55.8669
1.084846829300496 0.05106084415716911
Epoch 156, Time(s): 20.9085, estimated train loss 1.0542, acc 67.2510
Time: 1.4227807521820068, Val loss: 1.7854554653167725, Test loss: 1.8802839517593384
Val acc: 57.6119, Test acc: 55.7047
Best Epoch 149,Val 57.9510, Test 55.8669
1.0841420693184012 0.05157617045872247
Epoch 157, Time(s): 21.1627, estimated train loss 1.0538, acc 67.2166
Time: 1.4832220077514648, Val loss: 1.7762314081192017, Test loss: 1.865341305732727
Val acc: 57.6180, Test acc: 55.7715
Best Epoch 149,Val 57.9510, Test 55.8669
1.0821117429590936 0.050144444595077144
Epoch 158, Time(s): 21.3789, estimated train loss 1.0511, acc 67.3163
Time: 1.3974101543426514, Val loss: 1.7841676473617554, Test loss: 1.8786779642105103
Val acc: 57.4500, Test acc: 55.5616
Best Epoch 149,Val 57.9510, Test 55.8669
1.081034681690273 0.050616026981108224
Epoch 159, Time(s): 20.9555, estimated train loss 1.0504, acc 67.3233
Time: 1.4315130710601807, Val loss: 1.7815903425216675, Test loss: 1.8769888877868652
Val acc: 57.5225, Test acc: 55.5116
Best Epoch 149,Val 57.9510, Test 55.8669
1.08053763233014 0.05050356169022731
Epoch 160, Time(s): 21.0982, estimated train loss 1.0498, acc 67.3038
Time: 1.4559192657470703, Val loss: 1.7992510795593262, Test loss: 1.89015793800354
Val acc: 57.3298, Test acc: 55.4949
Best Epoch 149,Val 57.9510, Test 55.8669
1.0780938934923998 0.049660931049443004
Epoch 161, Time(s): 21.3118, estimated train loss 1.0471, acc 67.3910
Time: 1.4177868366241455, Val loss: 1.785689353942871, Test loss: 1.8846758604049683
Val acc: 57.4300, Test acc: 55.5378
Best Epoch 149,Val 57.9510, Test 55.8669

1.0760033041683597 0.04958309333271055
Epoch 162, Time(s): 21.3128, estimated train loss 1.0451, acc 67.4963
Time: 1.4258108139038086, Val loss: 1.7902586460113525, Test loss: 1.8845449686050415
Val acc: 57.5117, Test acc: 55.5116
Best Epoch 149,Val 57.9510, Test 55.8669
1.074997289856868 0.05017784171140016
Epoch 163, Time(s): 20.8597, estimated train loss 1.0444, acc 67.4466
Time: 1.520035982131958, Val loss: 1.7968848943710327, Test loss: 1.8909657001495361
Val acc: 57.4192, Test acc: 55.5712
Best Epoch 149,Val 57.9510, Test 55.8669
1.0738455644294398 0.05114812982171329
Epoch 164, Time(s): 21.1570, estimated train loss 1.0439, acc 67.4914
Time: 1.459669828414917, Val loss: 1.7913246154785156, Test loss: 1.879544734954834
Val acc: 57.6319, Test acc: 55.6904
Best Epoch 149,Val 57.9510, Test 55.8669
1.0721880039864474 0.04938647317797391
Epoch 165, Time(s): 20.9294, estimated train loss 1.0413, acc 67.4809
Time: 1.4880046844482422, Val loss: 1.7710152864456177, Test loss: 1.8614486455917358
Val acc: 57.5934, Test acc: 55.8072
Best Epoch 149,Val 57.9510, Test 55.8669
1.0729250107238542 0.05084748894198617
Epoch 166, Time(s): 21.3301, estimated train loss 1.0428, acc 67.4474
Time: 1.4365687370300293, Val loss: 1.7788089513778687, Test loss: 1.8687334060668945
Val acc: 57.8908, Test acc: 55.8216
Best Epoch 149,Val 57.9510, Test 55.8669
1.072560748057579 0.049722141516742424
Epoch 167, Time(s): 21.1732, estimated train loss 1.0419, acc 67.4810
Time: 1.4116020202636719, Val loss: 1.7824616432189941, Test loss: 1.8800454139709473
Val acc: 57.5826, Test acc: 55.5330
Best Epoch 149,Val 57.9510, Test 55.8669
1.0686519163758008 0.04924704195625747
Epoch 168, Time(s): 20.6064, estimated train loss 1.0379, acc 67.5736
Time: 1.4609432220458984, Val loss: 1.7955373525619507, Test loss: 1.8879300355911255
Val acc: 57.7059, Test acc: 55.7476
Best Epoch 149,Val 57.9510, Test 55.8669
1.0690838312035176 0.05000927160257724
Epoch 169, Time(s): 21.0712, estimated train loss 1.0388, acc 67.6342
Time: 1.4198782444000244, Val loss: 1.7969712018966675, Test loss: 1.885886311531067
Val acc: 57.2743, Test acc: 55.3828
Best Epoch 149,Val 57.9510, Test 55.8669
1.067141906539006 0.05006874563978679
Epoch 170, Time(s): 21.3094, estimated train loss 1.0369, acc 67.6295
Time: 1.4098451137542725, Val loss: 1.8193753957748413, Test loss: 1.9170153141021729
Val acc: 57.4701, Test acc: 55.5187

Best Epoch 149,Val 57.9510, Test 55.8669
1.067175673015082 0.049442904876239265
Epoch 171, Time(s): 21.2515, estimated train loss 1.0366, acc 67.6299
Time: 1.493668556213379, Val loss: 1.7780356407165527, Test loss: 1.876038670539856
Val acc: 57.8292, Test acc: 55.8621
Best Epoch 149,Val 57.9510, Test 55.8669
1.064546505017067 0.04969784078090938
Epoch 172, Time(s): 20.6599, estimated train loss 1.0343, acc 67.7584
Time: 1.4421157836914062, Val loss: 1.7780630588531494, Test loss: 1.8748643398284912
Val acc: 57.7768, Test acc: 55.8239
Best Epoch 149,Val 57.9510, Test 55.8669
1.0643196959993733 0.04763037172048839
Epoch 173, Time(s): 21.2081, estimated train loss 1.0329, acc 67.6864
Time: 1.423959732055664, Val loss: 1.7847068309783936, Test loss: 1.8835209608078003
Val acc: 57.8307, Test acc: 55.7524
Best Epoch 149,Val 57.9510, Test 55.8669
1.0635566658048488 0.04843736211977788
Epoch 174, Time(s): 21.4053, estimated train loss 1.0327, acc 67.7106
Time: 1.4385008811950684, Val loss: 1.8099991083145142, Test loss: 1.9073303937911987
Val acc: 57.6134, Test acc: 55.7119
Best Epoch 149,Val 57.9510, Test 55.8669
1.0607421451540135 0.049058979238147164
Epoch 175, Time(s): 21.4763, estimated train loss 1.0303, acc 67.8213
Time: 1.4126312732696533, Val loss: 1.7956039905548096, Test loss: 1.8960040807724
Val acc: 57.7105, Test acc: 55.7429
Best Epoch 149,Val 57.9510, Test 55.8669
1.061957305936671 0.04871338917248284
Epoch 176, Time(s): 20.8009, estimated train loss 1.0313, acc 67.7326
Time: 1.4679827690124512, Val loss: 1.7971559762954712, Test loss: 1.888242483139038
Val acc: 57.6550, Test acc: 55.7834
Best Epoch 149,Val 57.9510, Test 55.8669
1.0592409461291867 0.049337586526995277
Epoch 177, Time(s): 21.2149, estimated train loss 1.0290, acc 67.7922
Time: 1.4409661293029785, Val loss: 1.7946760654449463, Test loss: 1.8833246231079102
Val acc: 57.5548, Test acc: 55.5807
Best Epoch 149,Val 57.9510, Test 55.8669
1.059869912133288 0.04980601603860286
Epoch 178, Time(s): 21.3390, estimated train loss 1.0299, acc 67.8035
Time: 1.4487974643707275, Val loss: 1.8189518451690674, Test loss: 1.9100950956344604
Val acc: 57.3267, Test acc: 55.5187
Best Epoch 149,Val 57.9510, Test 55.8669
1.0580227321653224 0.04958178903629531
Epoch 179, Time(s): 21.3688, estimated train loss 1.0280, acc 67.8913
Time: 1.4981625080108643, Val loss: 1.8039336204528809, Test loss: 1.9003338813781738

Val acc: 57.6427, Test acc: 55.6689
Best Epoch 149,Val 57.9510, Test 55.8669
1.0569894029133355 0.04778436549119095
Epoch 180, Time(s): 20.8064, estimated train loss 1.0261, acc 67.8479
Time: 1.4449889659881592, Val loss: 1.801525592803955, Test loss: 1.9022042751312256
Val acc: 57.5903, Test acc: 55.6260
Best Epoch 149,Val 57.9510, Test 55.8669
1.0554646502679854 0.04829943130043016
Epoch 181, Time(s): 20.8987, estimated train loss 1.0249, acc 67.8904
Time: 1.3863301277160645, Val loss: 1.8029818534851074, Test loss: 1.8952412605285645
Val acc: 57.4593, Test acc: 55.4663
Best Epoch 149,Val 57.9510, Test 55.8669
1.0549101117831559 0.04825037662217866
Epoch 182, Time(s): 21.0200, estimated train loss 1.0244, acc 67.8996
Time: 1.47267746925354, Val loss: 1.7852451801300049, Test loss: 1.877088189125061
Val acc: 57.6566, Test acc: 55.7882
Best Epoch 149,Val 57.9510, Test 55.8669
1.053203429748763 0.04740103662236413
Epoch 183, Time(s): 21.3552, estimated train loss 1.0223, acc 67.9834
Time: 1.44042539596665762, Val loss: 1.784629464149475, Test loss: 1.8781028985977173
Val acc: 57.7136, Test acc: 55.7715
Best Epoch 149,Val 57.9510, Test 55.8669
1.0535627354436845 0.0483530817636803
Epoch 184, Time(s): 20.9413, estimated train loss 1.0231, acc 67.9426
Time: 1.3850727081298828, Val loss: 1.802436113357544, Test loss: 1.9006329774856567
Val acc: 57.7490, Test acc: 55.7309
Best Epoch 149,Val 57.9510, Test 55.8669
1.0519547764934711 0.04838779841118784
Epoch 185, Time(s): 20.7189, estimated train loss 1.0217, acc 67.9939
Time: 1.5104753971099854, Val loss: 1.8014029264450073, Test loss: 1.8913660049438477
Val acc: 57.5440, Test acc: 55.5426
Best Epoch 149,Val 57.9510, Test 55.8669
1.0500017368971413 0.047773489144755835
Epoch 186, Time(s): 21.1898, estimated train loss 1.0195, acc 68.0490
Time: 1.4188387393951416, Val loss: 1.7957804203033447, Test loss: 1.8954548835754395
Val acc: 57.7213, Test acc: 55.6999
Best Epoch 149,Val 57.9510, Test 55.8669
1.0498015044340447 0.047332180914149355
Epoch 187, Time(s): 21.1805, estimated train loss 1.0190, acc 68.0238
Time: 1.3902170658111572, Val loss: 1.801360011100769, Test loss: 1.8939026594161987
Val acc: 57.6180, Test acc: 55.6546
Best Epoch 149,Val 57.9510, Test 55.8669
1.0474183950851212 0.04688818891769025
Epoch 188, Time(s): 21.0234, estimated train loss 1.0166, acc 68.0309

Time: 1.3986949920654297, Val loss: 1.8072261810302734, Test loss: 1.899049997329712
Val acc: 57.4701, Test acc: 55.5760
Best Epoch 149,Val 57.9510, Test 55.8669
1.0478255464069879 0.046935289986987615
Epoch 189, Time(s): 20.5425, estimated train loss 1.0170, acc 68.0759
Time: 1.4641554355621338, Val loss: 1.7873866558074951, Test loss: 1.8806297779083252
Val acc: 57.6596, Test acc: 55.7977
Best Epoch 149,Val 57.9510, Test 55.8669
1.0442633166242001 0.04715238989733938
Epoch 190, Time(s): 21.0789, estimated train loss 1.0137, acc 68.1666
Time: 1.4368343353271484, Val loss: 1.799080729484558, Test loss: 1.8870092630386353
Val acc: 57.5425, Test acc: 55.6666
Best Epoch 149,Val 57.9510, Test 55.8669
1.0445960955833322 0.04834402369251892
Epoch 191, Time(s): 21.3801, estimated train loss 1.0147, acc 68.1204
Time: 1.4669735431671143, Val loss: 1.8034392595291138, Test loss: 1.8942196369171143
Val acc: 57.5363, Test acc: 55.5640
Best Epoch 149,Val 57.9510, Test 55.8669
1.0457245316078414 0.04953370732602788
Epoch 192, Time(s): 21.2803, estimated train loss 1.0164, acc 68.1650
Time: 1.3891737461090088, Val loss: 1.8062901496887207, Test loss: 1.8992815017700195
Val acc: 57.3699, Test acc: 55.5473
Best Epoch 149,Val 57.9510, Test 55.8669
1.0430472235181438 0.047977516344234125
Epoch 193, Time(s): 20.5921, estimated train loss 1.0130, acc 68.2007
Time: 1.437107801437378, Val loss: 1.799009919166565, Test loss: 1.8952548503875732
Val acc: 57.5887, Test acc: 55.6213
Best Epoch 149,Val 57.9510, Test 55.8669
1.0426129574206338 0.047347685516770203
Epoch 194, Time(s): 21.4345, estimated train loss 1.0122, acc 68.2152
Time: 1.4594013690948486, Val loss: 1.7925119400024414, Test loss: 1.8844645023345947
Val acc: 57.5548, Test acc: 55.5044
Best Epoch 149,Val 57.9510, Test 55.8669
1.0425082000333872 0.04643176857437661
Epoch 195, Time(s): 21.1765, estimated train loss 1.0117, acc 68.2074
Time: 1.4548799991607666, Val loss: 1.8071224689483643, Test loss: 1.8963576555252075
Val acc: 57.5718, Test acc: 55.7596
Best Epoch 149,Val 57.9510, Test 55.8669
1.0412718297830268 0.04705235195248874
Epoch 196, Time(s): 21.1731, estimated train loss 1.0108, acc 68.2570
Time: 1.3874826431274414, Val loss: 1.7989076375961304, Test loss: 1.8951177597045898
Val acc: 57.6596, Test acc: 55.8263
Best Epoch 149,Val 57.9510, Test 55.8669
1.0402052954061707 0.04817188308754964

Epoch 197, Time(s): 20.6308, estimated train loss 1.0104, acc 68.2374
Time: 1.4877872467041016, Val loss: 1.8277024030685425, Test loss: 1.9222389459609985
Val acc: 57.4300, Test acc: 55.5831
Best Epoch 149,Val 57.9510, Test 55.8669
1.0393402487484378 0.04709008213744235
Epoch 198, Time(s): 21.2889, estimated train loss 1.0090, acc 68.2603
Time: 1.4263663291931152, Val loss: 1.8203401565551758, Test loss: 1.9167312383651733
Val acc: 57.4716, Test acc: 55.6117
Best Epoch 149,Val 57.9510, Test 55.8669
1.0386544341471657 0.04756940667753789
Epoch 199, Time(s): 21.1495, estimated train loss 1.0086, acc 68.2886
Time: 1.4251224994659424, Val loss: 1.8342927694320679, Test loss: 1.9361637830734253
Val acc: 57.3406, Test acc: 55.2731
Best Epoch 149,Val 57.9510, Test 55.8669
1.0362965126535786 0.046520690197375286
Epoch 200, Time(s): 21.1707, estimated train loss 1.0058, acc 68.3211
Time: 1.4014194011688232, Val loss: 1.8305413722991943, Test loss: 1.9279979467391968
Val acc: 57.0894, Test acc: 55.2207
Best Epoch 149,Val 57.9510, Test 55.8669
1.0339667547994584 0.046553032611733054
Epoch 201, Time(s): 20.5238, estimated train loss 1.0036, acc 68.3797
Time: 1.489088535308838, Val loss: 1.8151355981826782, Test loss: 1.9130001068115234
Val acc: 57.6042, Test acc: 55.6165
Best Epoch 149,Val 57.9510, Test 55.8669
1.036710200914696 0.04810617430441415
Epoch 202, Time(s): 21.2058, estimated train loss 1.0071, acc 68.3926
Time: 1.428837537765503, Val loss: 1.8137784004211426, Test loss: 1.9097223281860352
Val acc: 57.6658, Test acc: 55.7953
Best Epoch 149,Val 57.9510, Test 55.8669
1.0351454233055684 0.04615500647185454
Epoch 203, Time(s): 21.2077, estimated train loss 1.0046, acc 68.4363
Time: 1.4201748371124268, Val loss: 1.7977826595306396, Test loss: 1.8941218852996826
Val acc: 57.6396, Test acc: 55.6999
Best Epoch 149,Val 57.9510, Test 55.8669
1.032843383390512 0.04680441764753256
Epoch 204, Time(s): 21.2356, estimated train loss 1.0027, acc 68.4600
Time: 1.3676893711090088, Val loss: 1.832509994506836, Test loss: 1.9308323860168457
Val acc: 57.6149, Test acc: 55.6737
Best Epoch 149,Val 57.9510, Test 55.8669
1.0332229644504947 0.04583995561323949
Epoch 205, Time(s): 20.4907, estimated train loss 1.0026, acc 68.4104
Time: 1.4164142608642578, Val loss: 1.8122601509094238, Test loss: 1.9079245328903198
Val acc: 57.4500, Test acc: 55.4973
Best Epoch 149,Val 57.9510, Test 55.8669

1.0308538194912582 0.04631844802356478
Epoch 206, Time(s): 21.2105, estimated train loss 1.0006, acc 68.5937
Time: 1.4432833194732666, Val loss: 1.8199971914291382, Test loss: 1.9174752235412598
Val acc: 57.5749, Test acc: 55.4758
Best Epoch 149,Val 57.9510, Test 55.8669
1.0326098595092545 0.048156242261626826
Epoch 207, Time(s): 21.5389, estimated train loss 1.0032, acc 68.4882
Time: 1.4567360877990723, Val loss: 1.8319237232208252, Test loss: 1.931356430053711
Val acc: 57.6134, Test acc: 55.5259
Best Epoch 149,Val 57.9510, Test 55.8669
1.0309452165418596 0.04677754718421111
Epoch 208, Time(s): 21.4069, estimated train loss 1.0009, acc 68.4641
Time: 1.4181623458862305, Val loss: 1.8183239698410034, Test loss: 1.9081610441207886
Val acc: 57.4639, Test acc: 55.4973
Best Epoch 149,Val 57.9510, Test 55.8669
1.0287724333022958 0.046000200031853435
Epoch 209, Time(s): 20.6655, estimated train loss 0.9984, acc 68.4623
Time: 1.4340753555297852, Val loss: 1.8167681694030762, Test loss: 1.917069435119629
Val acc: 57.5656, Test acc: 55.4806
Best Epoch 149,Val 57.9510, Test 55.8669
1.0286872431413452 0.046073217389743716
Epoch 210, Time(s): 21.1856, estimated train loss 0.9984, acc 68.5252
Time: 1.4363994598388672, Val loss: 1.8311823606491089, Test loss: 1.9289326667785645
Val acc: 57.3206, Test acc: 55.1563
Best Epoch 149,Val 57.9510, Test 55.8669
1.0273790110403032 0.04626132014082439
Epoch 211, Time(s): 20.7316, estimated train loss 0.9972, acc 68.6120
Time: 1.3955955505371094, Val loss: 1.8373695611953735, Test loss: 1.9310756921768188
Val acc: 57.4546, Test acc: 55.3924
Best Epoch 149,Val 57.9510, Test 55.8669
1.0272348078329172 0.046790864763420016
Epoch 212, Time(s): 21.2068, estimated train loss 0.9974, acc 68.5575
Time: 1.4073612689971924, Val loss: 1.8192532062530518, Test loss: 1.9177716970443726
Val acc: 57.6119, Test acc: 55.6380
Best Epoch 149,Val 57.9510, Test 55.8669
1.0262343358637682 0.0460745809015943
Epoch 213, Time(s): 21.0399, estimated train loss 0.9961, acc 68.6286
Time: 1.393272876739502, Val loss: 1.8376085758209229, Test loss: 1.931000828742981
Val acc: 57.5872, Test acc: 55.7715
Best Epoch 149,Val 57.9510, Test 55.8669
1.0248455351857997 0.045582490458862104
Epoch 214, Time(s): 20.6336, estimated train loss 0.9945, acc 68.6433
Time: 1.4505791664123535, Val loss: 1.8218274116516113, Test loss: 1.9134451150894165
Val acc: 57.5672, Test acc: 55.5831

Best Epoch 149,Val 57.9510, Test 55.8669
1.024889621272016 0.04553227749333453
Epoch 215, Time(s): 21.1977, estimated train loss 0.9945, acc 68.6887
Time: 1.3928046226501465, Val loss: 1.808707594871521, Test loss: 1.9048521518707275
Val acc: 57.6566, Test acc: 55.7691
Best Epoch 149,Val 57.9510, Test 55.8669
1.0228038501383654 0.04549533498487366
Epoch 216, Time(s): 21.2122, estimated train loss 0.9925, acc 68.6841
Time: 1.431403636932373, Val loss: 1.8395113945007324, Test loss: 1.9361686706542969
Val acc: 57.2327, Test acc: 55.3733
Best Epoch 149,Val 57.9510, Test 55.8669
1.0205988465850033 0.04524245674707996
Epoch 217, Time(s): 21.1008, estimated train loss 0.9903, acc 68.7366
Time: 1.3703241348266602, Val loss: 1.8262320756912231, Test loss: 1.9198729991912842
Val acc: 57.5918, Test acc: 55.6737
Best Epoch 149,Val 57.9510, Test 55.8669
1.022578127348601 0.04583863396920375
Epoch 218, Time(s): 20.7699, estimated train loss 0.9925, acc 68.7058
Time: 1.5115160942077637, Val loss: 1.83464777469635, Test loss: 1.9262323379516602
Val acc: 57.3992, Test acc: 55.5616
Best Epoch 149,Val 57.9510, Test 55.8669
1.0192173185633189 0.04627269406372042
Epoch 219, Time(s): 21.4106, estimated train loss 0.9895, acc 68.7862
Time: 1.4227931499481201, Val loss: 1.853658676147461, Test loss: 1.959369421005249
Val acc: 57.4670, Test acc: 55.5092
Best Epoch 149,Val 57.9510, Test 55.8669
1.020701666376484 0.04506238638909895
Epoch 220, Time(s): 21.5105, estimated train loss 0.9903, acc 68.7505
Time: 1.4531526565551758, Val loss: 1.8229244947433472, Test loss: 1.9192802906036377
Val acc: 57.6858, Test acc: 55.7572
Best Epoch 149,Val 57.9510, Test 55.8669
1.0192704574385685 0.04615935344082206
Epoch 221, Time(s): 21.2488, estimated train loss 0.9895, acc 68.7865
Time: 1.4076008796691895, Val loss: 1.8276572227478027, Test loss: 1.9256218671798706
Val acc: 57.7167, Test acc: 55.8144
Best Epoch 149,Val 57.9510, Test 55.8669
1.0182385942829189 0.04456525763024145
Epoch 222, Time(s): 20.6232, estimated train loss 0.9877, acc 68.7841
Time: 1.4925880432128906, Val loss: 1.843672513961792, Test loss: 1.9417669773101807
Val acc: 57.3098, Test acc: 55.3161
Best Epoch 149,Val 57.9510, Test 55.8669
1.0166740328518313 0.04613142933196096
Epoch 223, Time(s): 21.4455, estimated train loss 0.9870, acc 68.7957
Time: 1.4282124042510986, Val loss: 1.8241338729858398, Test loss: 1.917664647102356

Val acc: 57.5379, Test acc: 55.7333
Best Epoch 149,Val 57.9510, Test 55.8669
1.0172585026541752 0.044901727740444354
Epoch 224, Time(s): 21.3934, estimated train loss 0.9870, acc 68.7528
Time: 1.441235065460205, Val loss: 1.8329870700836182, Test loss: 1.9313092231750488
Val acc: 57.5656, Test acc: 55.5116
Best Epoch 149,Val 57.9510, Test 55.8669
1.0165174656839513 0.0453680660853635
Epoch 225, Time(s): 21.1385, estimated train loss 0.9865, acc 68.8251
Time: 1.4682576656341553, Val loss: 1.8247841596603394, Test loss: 1.9173309803009033
Val acc: 57.5780, Test acc: 55.7286
Best Epoch 149,Val 57.9510, Test 55.8669
1.0141947207166189 0.045884538858906546
Epoch 226, Time(s): 20.6072, estimated train loss 0.9846, acc 68.9581
Time: 1.4587247371673584, Val loss: 1.8297703266143799, Test loss: 1.9297456741333008
Val acc: 57.5240, Test acc: 55.6523
Best Epoch 149,Val 57.9510, Test 55.8669
1.015723986412162 0.04486797797257331
Epoch 227, Time(s): 21.3440, estimated train loss 0.9855, acc 68.8545
Time: 1.422090768814087, Val loss: 1.8149034976959229, Test loss: 1.9076495170593262
Val acc: 57.7567, Test acc: 55.9241
Best Epoch 149,Val 57.9510, Test 55.8669
1.013627625223416 0.04561343744619569
Epoch 228, Time(s): 21.4426, estimated train loss 0.9839, acc 68.9212
Time: 1.4258153438568115, Val loss: 1.8428350687026978, Test loss: 1.944084882736206
Val acc: 57.5857, Test acc: 55.5903
Best Epoch 149,Val 57.9510, Test 55.8669
1.011897910886736 0.04544870032748179
Epoch 229, Time(s): 21.0024, estimated train loss 0.9822, acc 68.9465
Time: 1.4114346504211426, Val loss: 1.8427200317382812, Test loss: 1.938591480255127
Val acc: 57.5040, Test acc: 55.6594
Best Epoch 149,Val 57.9510, Test 55.8669
1.013663231436886 0.04430667878086887
Epoch 230, Time(s): 20.6004, estimated train loss 0.9832, acc 68.8515
Time: 1.4822263717651367, Val loss: 1.8318215608596802, Test loss: 1.937193751335144
Val acc: 57.7013, Test acc: 55.8049
Best Epoch 149,Val 57.9510, Test 55.8669
1.0110885376360879 0.044887099971077336
Epoch 231, Time(s): 21.1888, estimated train loss 0.9811, acc 68.9763
Time: 1.429964303970337, Val loss: 1.851516604423523, Test loss: 1.953406810760498
Val acc: 57.4808, Test acc: 55.5831
Best Epoch 149,Val 57.9510, Test 55.8669
1.012316087288643 0.045425600302753166
Epoch 232, Time(s): 21.3172, estimated train loss 0.9825, acc 68.9076

Time: 1.4097862243652344, Val loss: 1.825453281402588, Test loss: 1.9221525192260742
Val acc: 57.7013, Test acc: 55.7858
Best Epoch 149,Val 57.9510, Test 55.8669
1.0091553419383603 0.04477766979096541
Epoch 233, Time(s): 21.0086, estimated train loss 0.9792, acc 68.9933
Time: 1.4021782875061035, Val loss: 1.8376942873001099, Test loss: 1.934112787246704
Val acc: 57.3791, Test acc: 55.6475
Best Epoch 149,Val 57.9510, Test 55.8669
1.0088777551010473 0.04486157720102303
Epoch 234, Time(s): 20.9271, estimated train loss 0.9790, acc 69.0308
Time: 1.4645075798034668, Val loss: 1.8191790580749512, Test loss: 1.9215855598449707
Val acc: 57.7043, Test acc: 55.7071
Best Epoch 149,Val 57.9510, Test 55.8669
1.0096256101309364 0.04647956432691261
Epoch 235, Time(s): 21.1656, estimated train loss 0.9806, acc 69.0297
Time: 1.4058897495269775, Val loss: 1.8442585468292236, Test loss: 1.9454749822616577
Val acc: 57.4516, Test acc: 55.5330
Best Epoch 149,Val 57.9510, Test 55.8669
1.0067664714001898 0.04434411361146329
Epoch 236, Time(s): 21.3075, estimated train loss 0.9767, acc 69.0551
Time: 1.4165468215942383, Val loss: 1.8460997343063354, Test loss: 1.9480763673782349
Val acc: 57.4053, Test acc: 55.4758
Best Epoch 149,Val 57.9510, Test 55.8669
1.0088245201466688 0.044745635852884894
Epoch 237, Time(s): 20.9890, estimated train loss 0.9789, acc 69.0349
Time: 1.400177001953125, Val loss: 1.8530840873718262, Test loss: 1.9578173160552979
Val acc: 57.2882, Test acc: 55.3685
Best Epoch 149,Val 57.9510, Test 55.8669
1.0048880265719855 0.04392940698386128
Epoch 238, Time(s): 20.8465, estimated train loss 0.9747, acc 69.1573
Time: 1.498854637145996, Val loss: 1.8338885307312012, Test loss: 1.9385405778884888
Val acc: 57.6411, Test acc: 55.6308
Best Epoch 149,Val 57.9510, Test 55.8669
1.0068310908417204 0.044803102625839746
Epoch 239, Time(s): 21.5413, estimated train loss 0.9770, acc 69.0675
Time: 1.4357433319091797, Val loss: 1.825875163078308, Test loss: 1.920509934425354
Val acc: 57.6596, Test acc: 55.9598
Best Epoch 149,Val 57.9510, Test 55.8669
1.004211941761757 0.04489147362869177
Epoch 240, Time(s): 21.4185, estimated train loss 0.9746, acc 69.1322
Time: 1.4491589069366455, Val loss: 1.8320233821868896, Test loss: 1.933232307434082
Val acc: 57.6766, Test acc: 55.7977
Best Epoch 149,Val 57.9510, Test 55.8669
1.0039108404472692 0.0455271304765744

Epoch 241, Time(s): 21.1478, estimated train loss 0.9746, acc 69.1271
Time: 1.4102272987365723, Val loss: 1.8498032093048096, Test loss: 1.9498704671859741
Val acc: 57.4870, Test acc: 55.6666
Best Epoch 149,Val 57.9510, Test 55.8669
1.0016913262765799 0.046343656785007736
Epoch 242, Time(s): 20.8507, estimated train loss 0.9730, acc 69.1823
Time: 1.4643094539642334, Val loss: 1.8368602991104126, Test loss: 1.935798168182373
Val acc: 57.6149, Test acc: 55.6046
Best Epoch 149,Val 57.9510, Test 55.8669
1.0044311907754016 0.04401204128985974
Epoch 243, Time(s): 21.2157, estimated train loss 0.9743, acc 69.1185
Time: 1.4034032821655273, Val loss: 1.8275240659713745, Test loss: 1.9244730472564697
Val acc: 57.5810, Test acc: 55.5950
Best Epoch 149,Val 57.9510, Test 55.8669
1.000924890610709 0.04369292424908325
Epoch 244, Time(s): 21.2874, estimated train loss 0.9708, acc 69.2043
Time: 1.3926482200622559, Val loss: 1.8265703916549683, Test loss: 1.9233916997909546
Val acc: 57.7645, Test acc: 55.7906
Best Epoch 149,Val 57.9510, Test 55.8669
1.0009032808133025 0.04524572621752967
Epoch 245, Time(s): 20.8403, estimated train loss 0.9716, acc 69.2354
Time: 1.4435312747955322, Val loss: 1.855064868927002, Test loss: 1.960651159286499
Val acc: 57.6304, Test acc: 55.5473
Best Epoch 149,Val 57.9510, Test 55.8669
1.0013166603757375 0.044337315790688815
Epoch 246, Time(s): 20.9975, estimated train loss 0.9715, acc 69.2414
Time: 1.4437081813812256, Val loss: 1.8434789180755615, Test loss: 1.938708782196045
Val acc: 57.5271, Test acc: 55.6689
Best Epoch 149,Val 57.9510, Test 55.8669
1.0012552026492447 0.04429852673366888
Epoch 247, Time(s): 21.2816, estimated train loss 0.9715, acc 69.1785
Time: 1.447059154510498, Val loss: 1.8545737266540527, Test loss: 1.9519189596176147
Val acc: 57.6165, Test acc: 55.6475
Best Epoch 149,Val 57.9510, Test 55.8669
0.9985473743125574 0.04484576887604016
Epoch 248, Time(s): 21.3883, estimated train loss 0.9692, acc 69.2788
Time: 1.3996331691741943, Val loss: 1.8471486568450928, Test loss: 1.9446440935134888
Val acc: 57.5194, Test acc: 55.5545
Best Epoch 149,Val 57.9510, Test 55.8669
0.9991654735892567 0.045134887210468745
Best Epoch 149, Val 57.9510, Test 55.8669
100%|████████████| 74/74 [00:12<00:00, 5.89it/s]
Stage 1 history model:
        Train acc 77.0452 Val acc 57.9510 Test acc 55.8669

Stage: 2, threshold 0.75, confident nodes: 61107 / 106818
        val confident nodes: 37306 / 64879, val confident level: 0.7409532070159912
        test confident nodes: 23801 / 41939, test confident_level: 0.7153061032295227
Current num label hops = 2
Involved label keys ['P', 'PP', 'PAP', 'PFP', 'PPP']
PPP tensor(309252) tensor(-7.4506e-08)
PAP tensor(987945) tensor(-4.1723e-07)
PFP tensor(0) tensor(1.0395e-05)
PP tensor(0.4283) tensor(0.3936) tensor(0.3914) tensor(3.9028) tensor(3.5692) tensor(3.3557)
tensor(8.8072) tensor(9.4295) tensor(-9.3468) tensor(-16.3058)
PAP tensor(0.4235) tensor(0.3988) tensor(0.3941) tensor(3.3984) tensor(3.3868)
tensor(3.3506) tensor(6.1957) tensor(7.4601) tensor(-0.3428) tensor(-1.4275)
PFP tensor(0.2897) tensor(0.2634) tensor(0.2787) tensor(3.1786) tensor(3.2349)
tensor(3.1534) tensor(10.0073) tensor(3.9471) tensor(1.7386) tensor(-0.8011)
PPP tensor(0.4026) tensor(0.3926) tensor(0.3921) tensor(2.8711) tensor(2.6363)
tensor(2.5508) tensor(2.5377) tensor(2.6763) tensor(-8.9058) tensor(-12.5558)
{'PPP', 'PP', 'PFP', 'PAP'}
tensor(0.6376)
tensor(0.5954)
tensor(0.5894)
label_emb tensor(0.4668) tensor(0.4381) tensor(0.4327) tensor(2.0591) tensor(2.2059)
tensor(2.2160) tensor(6.5417) tensor(7.8814) tensor(6.6570) tensor(7.0815)
{'label_emb'}
tensor(0.4668)
tensor(0.4381)
tensor(0.4327)
3.4412343876702445 1.769573551416397
Epoch 0, Time(s): 23.3362, estimated train loss 4.7083, acc 35.4414
Time: 1.4775660037994385, Val loss: 2.1503562927246094, Test loss: 2.1809844970703125
Val acc: 49.2085, Test acc: 48.4394
Best Epoch 0,Val 49.2085, Test 48.4394
2.3943109852927074 0.8204513967037201
Epoch 1, Time(s): 22.9642, estimated train loss 2.9114, acc 46.1964
Time: 1.3954615592956543, Val loss: 2.0108273029327393, Test loss: 2.0591237545013428
Val acc: 52.6164, Test acc: 51.4581
Best Epoch 1,Val 52.6164, Test 51.4581
2.1569746017456053 0.6326778709888459
Epoch 2, Time(s): 21.7277, estimated train loss 2.5281, acc 49.0761
Time: 1.4659225940704346, Val loss: 1.888811469078064, Test loss: 1.9468165636062622
Val acc: 54.3011, Test acc: 52.8887
Best Epoch 2,Val 54.3011, Test 52.8887
2.0194082362311225 0.5350302726030349
Epoch 3, Time(s): 22.3354, estimated train loss 2.3164, acc 50.8549
Time: 1.424236536026001, Val loss: 1.8539520502090454, Test loss: 1.9159364700317383

Val acc: 54.7465, Test acc: 53.2488
Best Epoch 3,Val 54.7465, Test 53.2488
1.9350585443632944 0.46852340272494725
Epoch 4, Time(s): 22.6086, estimated train loss 2.1808, acc 52.0888
Time: 1.412994146347046, Val loss: 1.8010977506637573, Test loss: 1.8694473505020142
Val acc: 55.6390, Test acc: 53.9092
Best Epoch 4,Val 55.6390, Test 53.9092
1.864735736165728 0.42463707029819486
Epoch 5, Time(s): 21.9374, estimated train loss 2.0778, acc 53.0213
Time: 1.3640646934509277, Val loss: 1.7806830406188965, Test loss: 1.8638767004013062
Val acc: 55.9334, Test acc: 54.1405
Best Epoch 5,Val 55.9334, Test 54.1405
1.82280022587095 0.38629303319113595
Epoch 6, Time(s): 21.3376, estimated train loss 2.0057, acc 53.6824
Time: 1.4467236995697021, Val loss: 1.7688273191452026, Test loss: 1.8452963829040527
Val acc: 56.1106, Test acc: 54.2145
Best Epoch 6,Val 56.1106, Test 54.2145
1.7827062743050712 0.355367174744606
Epoch 7, Time(s): 21.9141, estimated train loss 1.9402, acc 54.2384
Time: 1.4097583293914795, Val loss: 1.7500591278076172, Test loss: 1.844170093536377
Val acc: 56.7533, Test acc: 54.7366
Best Epoch 7,Val 56.7533, Test 54.7366
1.7518029298101152 0.332487444792475
Epoch 8, Time(s): 21.9784, estimated train loss 1.8921, acc 54.7802
Time: 1.3955464363098145, Val loss: 1.7445210218429565, Test loss: 1.8269122838974
Val acc: 56.7795, Test acc: 55.0156
Best Epoch 8,Val 56.7795, Test 55.0156
1.7284303273473467 0.31659347414970396
Epoch 9, Time(s): 21.9775, estimated train loss 1.8574, acc 55.1990
Time: 1.3791193962097168, Val loss: 1.7231779098510742, Test loss: 1.8156006336212158
Val acc: 57.0323, Test acc: 55.0538
Best Epoch 9,Val 57.0323, Test 55.0538
1.706650073187692 0.2969511274780546
Epoch 10, Time(s): 21.4383, estimated train loss 1.8191, acc 55.5022
Time: 1.4640061855316162, Val loss: 1.7342358827590942, Test loss: 1.8250162601470947
Val acc: 56.9059, Test acc: 54.9441
Best Epoch 9,Val 57.0323, Test 55.0538
1.6851211735180447 0.2857495867780277
Epoch 11, Time(s): 21.7371, estimated train loss 1.7898, acc 55.8922
Time: 1.4078898429870605, Val loss: 1.7556475400924683, Test loss: 1.860893726348877
Val acc: 57.1418, Test acc: 55.1229
Best Epoch 11,Val 57.1418, Test 55.1229
1.6699669173785618 0.2700964493410928
Epoch 12, Time(s): 22.0449, estimated train loss 1.7622, acc 56.0520

Time: 1.4176688194274902, Val loss: 1.7407596111297607, Test loss: 1.8386445045471191
Val acc: 57.2681, Test acc: 55.4329
Best Epoch 12,Val 57.2681, Test 55.4329
1.6552369901112147 0.2612712032028607
Epoch 13, Time(s): 21.9697, estimated train loss 1.7407, acc 56.3952
Time: 1.415252447128296, Val loss: 1.7301234006881714, Test loss: 1.8304660320281982
Val acc: 57.2651, Test acc: 55.2898
Best Epoch 12,Val 57.2681, Test 55.4329
1.6442160674503872 0.25077172602925984
Epoch 14, Time(s): 22.0563, estimated train loss 1.7217, acc 56.4799
Time: 1.3735260963439941, Val loss: 1.7546467781066895, Test loss: 1.8612614870071411
Val acc: 57.2265, Test acc: 55.4377
Best Epoch 12,Val 57.2681, Test 55.4329
1.6326727322169712 0.24345849326678684
Epoch 15, Time(s): 21.2953, estimated train loss 1.7041, acc 56.7884
Time: 1.4636211395263672, Val loss: 1.7430036067962646, Test loss: 1.851071834564209
Val acc: 57.3206, Test acc: 55.3423
Best Epoch 15,Val 57.3206, Test 55.3423
1.6195025614329748 0.23378727989537376
Epoch 16, Time(s): 22.1229, estimated train loss 1.6834, acc 56.9167
Time: 1.4295854568481445, Val loss: 1.7341632843017578, Test loss: 1.8329750299453735
Val acc: 57.3082, Test acc: 55.4424
Best Epoch 15,Val 57.3206, Test 55.3423
1.6079275676182339 0.2266900652221271
Epoch 17, Time(s): 22.2214, estimated train loss 1.6665, acc 57.0631
Time: 1.4203031063079834, Val loss: 1.7406078577041626, Test loss: 1.8485232591629028
Val acc: 57.6334, Test acc: 55.8025
Best Epoch 17,Val 57.6334, Test 55.8025
1.5980067559650966 0.21757835234914508
Epoch 18, Time(s): 22.1201, estimated train loss 1.6504, acc 57.3028
Time: 1.4024972915649414, Val loss: 1.7490897178649902, Test loss: 1.8620429039001465
Val acc: 57.5086, Test acc: 55.5807
Best Epoch 17,Val 57.6334, Test 55.8025
1.5877505353518895 0.21618043567453113
Epoch 19, Time(s): 21.7750, estimated train loss 1.6390, acc 57.3945
Time: 1.355257272720337, Val loss: 1.740657091140747, Test loss: 1.8593931198120117
Val acc: 57.3776, Test acc: 55.3733
Best Epoch 17,Val 57.6334, Test 55.8025
1.5813957640102931 0.20942147672176362
Epoch 20, Time(s): 21.8849, estimated train loss 1.6274, acc 57.5797
Time: 1.5050930976867676, Val loss: 1.7459102869033813, Test loss: 1.8541337251663208
Val acc: 57.3868, Test acc: 55.5569
Best Epoch 17,Val 57.6334, Test 55.8025
1.5713247179985046 0.2052264466881752

Epoch 21, Time(s): 21.9385, estimated train loss 1.6146, acc 57.7285
Time: 1.3851954936981201, Val loss: 1.7579345703125, Test loss: 1.871695876121521
Val acc: 57.5117, Test acc: 55.7262
Best Epoch 17,Val 57.6334, Test 55.8025
1.564678703035627 0.19568500752959933
Epoch 22, Time(s): 21.6868, estimated train loss 1.5994, acc 57.8653
Time: 1.437312364578247, Val loss: 1.7876579761505127, Test loss: 1.9104679822921753
Val acc: 57.6196, Test acc: 55.7238
Best Epoch 17,Val 57.6334, Test 55.8025
1.5559826833861214 0.19163651594093867
Epoch 23, Time(s): 22.0259, estimated train loss 1.5881, acc 57.9904
Time: 1.3991260528564453, Val loss: 1.758488655090332, Test loss: 1.873164176940918
Val acc: 57.8153, Test acc: 55.9503
Best Epoch 23,Val 57.8153, Test 55.9503
1.5489156944411142 0.1873640186020306
Epoch 24, Time(s): 21.9902, estimated train loss 1.5782, acc 58.1234
Time: 1.359987735748291, Val loss: 1.7691357135772705, Test loss: 1.890864372253418
Val acc: 57.5271, Test acc: 55.5831
Best Epoch 23,Val 57.8153, Test 55.9503
1.5417033348764693 0.18587641290255955
Epoch 25, Time(s): 21.3181, estimated train loss 1.5699, acc 58.2603
Time: 1.4484577178955078, Val loss: 1.7554975748062134, Test loss: 1.8772636651992798
Val acc: 57.9232, Test acc: 55.9193
Best Epoch 25,Val 57.9232, Test 55.9193
1.5333241769245693 0.17525994905403683
Epoch 26, Time(s): 21.8714, estimated train loss 1.5527, acc 58.3580
Time: 1.3912386894226074, Val loss: 1.7628508806228638, Test loss: 1.8899134397506714
Val acc: 57.7321, Test acc: 55.6403
Best Epoch 25,Val 57.9232, Test 55.9193
1.5262423617499215 0.17382069496171815
Epoch 27, Time(s): 22.0563, estimated train loss 1.5448, acc 58.5048
Time: 1.4098939895629883, Val loss: 1.769305944442749, Test loss: 1.8958338499069214
Val acc: 57.8400, Test acc: 55.9384
Best Epoch 25,Val 57.9232, Test 55.9193
1.5215705428804671 0.1684171891638211
Epoch 28, Time(s): 22.0200, estimated train loss 1.5361, acc 58.5589
Time: 1.3795621395111084, Val loss: 1.7746936082839966, Test loss: 1.9027583599090576
Val acc: 57.7999, Test acc: 55.8859
Best Epoch 25,Val 57.9232, Test 55.9193
1.5164943831307547 0.16722086050680707
Epoch 29, Time(s): 21.9251, estimated train loss 1.5305, acc 58.7112
Time: 1.3619370460510254, Val loss: 1.775130271911621, Test loss: 1.9061192274093628
Val acc: 57.8276, Test acc: 56.0242
Best Epoch 25,Val 57.9232, Test 55.9193

1.5084559202194214 0.1631433919072151
Epoch 30, Time(s): 21.2444, estimated train loss 1.5196, acc 58.7789
Time: 1.4601807594299316, Val loss: 1.7739347219467163, Test loss: 1.899955153465271
Val acc: 57.7537, Test acc: 55.7619
Best Epoch 25,Val 57.9232, Test 55.9193
1.5042993800980704 0.16178130294595447
Epoch 31, Time(s): 22.0244, estimated train loss 1.5145, acc 58.8957
Time: 1.4551939964294434, Val loss: 1.7715821266174316, Test loss: 1.9054253101348877
Val acc: 57.7799, Test acc: 55.8597
Best Epoch 25,Val 57.9232, Test 55.9193
1.498520735331944 0.15771592408418655
Epoch 32, Time(s): 22.2059, estimated train loss 1.5056, acc 58.9498
Time: 1.418738842010498, Val loss: 1.7720052003860474, Test loss: 1.909652829170227
Val acc: 58.0095, Test acc: 55.8478
Best Epoch 32,Val 58.0095, Test 55.8478
1.490819149357932 0.1546713954636029
Epoch 33, Time(s): 22.1058, estimated train loss 1.4954, acc 59.1304
Time: 1.4036052227020264, Val loss: 1.779982566833496, Test loss: 1.9148566722869873
Val acc: 57.7845, Test acc: 55.9527
Best Epoch 32,Val 58.0095, Test 55.8478
1.4854547994477407 0.1518512581075941
Epoch 34, Time(s): 21.7135, estimated train loss 1.4883, acc 59.2894
Time: 1.3557443618774414, Val loss: 1.7887285947799683, Test loss: 1.9250987768173218
Val acc: 58.0111, Test acc: 56.0385
Best Epoch 34,Val 58.0111, Test 56.0385
1.47923583984375 0.14848935242210115
Epoch 35, Time(s): 21.5821, estimated train loss 1.4801, acc 59.2854
Time: 1.458599328994751, Val loss: 1.8235851526260376, Test loss: 1.9691890478134155
Val acc: 57.8785, Test acc: 55.9718
Best Epoch 34,Val 58.0111, Test 56.0385
1.4786479660442897 0.14912698311465128
Epoch 36, Time(s): 22.0466, estimated train loss 1.4798, acc 59.3360
Time: 1.422774076461792, Val loss: 1.7866100072860718, Test loss: 1.9226875305175781
Val acc: 57.7752, Test acc: 55.8239
Best Epoch 34,Val 58.0111, Test 56.0385
1.468743440083095 0.1451731391251087
Epoch 37, Time(s): 22.1585, estimated train loss 1.4679, acc 59.5367
Time: 1.4288246631622314, Val loss: 1.8059473037719727, Test loss: 1.9508000612258911
Val acc: 58.1806, Test acc: 56.1601
Best Epoch 37,Val 58.1806, Test 56.1601
1.4711358530180796 0.1430676913687161
Epoch 38, Time(s): 21.9155, estimated train loss 1.4677, acc 59.4503
Time: 1.395406723022461, Val loss: 1.8027678728103638, Test loss: 1.9418367147445679
Val acc: 57.7120, Test acc: 55.9551

Best Epoch 37,Val 58.1806, Test 56.1601
1.4625872015953063 0.1386027303125177
Epoch 39, Time(s): 21.6900, estimated train loss 1.4556, acc 59.6830
Time: 1.473653793334961, Val loss: 1.8044342994689941, Test loss: 1.9554061889648438
Val acc: 58.0111, Test acc: 56.0290
Best Epoch 37,Val 58.1806, Test 56.1601
1.4562903949192592 0.13657361098698206
Epoch 40, Time(s): 22.3300, estimated train loss 1.4482, acc 59.7458
Time: 1.4003067016601562, Val loss: 1.8148335218429565, Test loss: 1.96371328830719
Val acc: 57.9864, Test acc: 56.0910
Best Epoch 37,Val 58.1806, Test 56.1601
1.4545062899589538 0.13725427335926466
Epoch 41, Time(s): 22.2166, estimated train loss 1.4474, acc 59.7917
Time: 1.3986022472381592, Val loss: 1.81850004196167, Test loss: 1.9627755880355835
Val acc: 57.8908, Test acc: 56.0505
Best Epoch 37,Val 58.1806, Test 56.1601
1.45324980872018 0.1354077439223017
Epoch 42, Time(s): 21.6870, estimated train loss 1.4444, acc 59.8732
Time: 1.3646492958068848, Val loss: 1.8253576755523682, Test loss: 1.9758803844451904
Val acc: 57.7876, Test acc: 55.9265
Best Epoch 37,Val 58.1806, Test 56.1601
1.4457445876938957 0.1310918264091015
Epoch 43, Time(s): 21.6101, estimated train loss 1.4334, acc 59.9781
Time: 1.5038535594940186, Val loss: 1.7993240356445312, Test loss: 1.9480955600738525
Val acc: 57.9016, Test acc: 55.9265
Best Epoch 37,Val 58.1806, Test 56.1601
1.4378509759902953 0.12913705419216837
Epoch 44, Time(s): 22.1399, estimated train loss 1.4249, acc 60.0892
Time: 1.4432337284088135, Val loss: 1.8308159112930298, Test loss: 1.9879930019378662
Val acc: 57.9340, Test acc: 56.0004
Best Epoch 37,Val 58.1806, Test 56.1601
1.4355176448822022 0.1267768786421844
Epoch 45, Time(s): 22.1820, estimated train loss 1.4209, acc 60.1888
Time: 1.4076080322265625, Val loss: 1.8313976526260376, Test loss: 1.9839664697647095
Val acc: 58.0141, Test acc: 56.2126
Best Epoch 37,Val 58.1806, Test 56.1601
1.4241813353129795 0.12120390278952463
Epoch 46, Time(s): 21.9914, estimated train loss 1.4056, acc 60.4323
Time: 1.4104893207550049, Val loss: 1.8328337669372559, Test loss: 1.9981213808059692
Val acc: 58.3347, Test acc: 56.2269
Best Epoch 46,Val 58.3347, Test 56.2269
1.4268669758524213 0.1227902851998806
Epoch 47, Time(s): 21.8419, estimated train loss 1.4088, acc 60.3017
Time: 1.4683640003204346, Val loss: 1.8401837348937988, Test loss: 1.9909188747406006

Val acc: 58.0157, Test acc: 56.3485
Best Epoch 46,Val 58.3347, Test 56.2269
1.4205800771713257 0.12124148330518178
Epoch 48, Time(s): 22.4302, estimated train loss 1.4019, acc 60.4472
Time: 1.4581434726715088, Val loss: 1.8422929048538208, Test loss: 1.9926033020019531
Val acc: 58.0126, Test acc: 56.0505
Best Epoch 46,Val 58.3347, Test 56.2269
1.4160150085176741 0.12003552594355174
Epoch 49, Time(s): 22.2034, estimated train loss 1.3970, acc 60.5261
Time: 1.3929414749145508, Val loss: 1.8589365482330322, Test loss: 2.0118348598480225
Val acc: 58.0465, Test acc: 56.1434
Best Epoch 46,Val 58.3347, Test 56.2269
1.412559347493308 0.11895356753042766
Epoch 50, Time(s): 21.6210, estimated train loss 1.3926, acc 60.5589
Time: 1.4255709648132324, Val loss: 1.8692548274993896, Test loss: 2.025662899017334
Val acc: 57.9186, Test acc: 55.9360
Best Epoch 46,Val 58.3347, Test 56.2269
1.408500007220677 0.11857681955610003
Epoch 51, Time(s): 22.1352, estimated train loss 1.3890, acc 60.6942
Time: 1.4498963356018066, Val loss: 1.847140908241272, Test loss: 2.004101276397705
Val acc: 57.9972, Test acc: 56.2412
Best Epoch 46,Val 58.3347, Test 56.2269
1.402776495047978 0.11338825619646481
Epoch 52, Time(s): 22.3154, estimated train loss 1.3788, acc 60.7342
Time: 1.4033544063568115, Val loss: 1.8523696660995483, Test loss: 2.0098719596862793
Val acc: 57.7244, Test acc: 55.8883
Best Epoch 46,Val 58.3347, Test 56.2269
1.4002081394195556 0.11436542666384152
Epoch 53, Time(s): 22.2410, estimated train loss 1.3777, acc 60.8095
Time: 1.3829190731048584, Val loss: 1.8239837884902954, Test loss: 1.9764153957366943
Val acc: 58.1637, Test acc: 56.1983
Best Epoch 46,Val 58.3347, Test 56.2269
1.399887001514435 0.11587484053203038
Epoch 54, Time(s): 21.4557, estimated train loss 1.3783, acc 60.8213
Time: 1.484917402267456, Val loss: 1.8558287620544434, Test loss: 2.019282817840576
Val acc: 58.0588, Test acc: 56.2388
Best Epoch 46,Val 58.3347, Test 56.2269
1.393292122227805 0.11184990970151765
Epoch 55, Time(s): 22.2670, estimated train loss 1.3689, acc 60.8815
Time: 1.4252429008483887, Val loss: 1.8617318868637085, Test loss: 2.0187771320343018
Val acc: 58.0943, Test acc: 56.1578
Best Epoch 46,Val 58.3347, Test 56.2269
1.3880303331783839 0.11156869296516692
Epoch 56, Time(s): 22.3324, estimated train loss 1.3643, acc 61.0206

Time: 1.4230363368988037, Val loss: 1.892961025238037, Test loss: 2.0691776275634766
Val acc: 58.1852, Test acc: 56.1220
Best Epoch 46,Val 58.3347, Test 56.2269
1.3898929050990514 0.10990740891013827
Epoch 57, Time(s): 21.9003, estimated train loss 1.3639, acc 60.9996
Time: 1.4248652458190918, Val loss: 1.8763195276260376, Test loss: 2.0445556640625
Val acc: 58.3163, Test acc: 56.3509
Best Epoch 46,Val 58.3347, Test 56.2269
1.3856155599866595 0.10842508843966893
Epoch 58, Time(s): 21.8987, estimated train loss 1.3587, acc 61.1116
Time: 1.4694714546203613, Val loss: 1.8805599212646484, Test loss: 2.0501179695129395
Val acc: 58.0958, Test acc: 56.1983
Best Epoch 46,Val 58.3347, Test 56.2269
1.3789752670696804 0.107209512591362
Epoch 59, Time(s): 22.3075, estimated train loss 1.3517, acc 61.2589
Time: 1.4225044250488281, Val loss: 1.8925299644470215, Test loss: 2.0659987926483154
Val acc: 57.9510, Test acc: 56.0695
Best Epoch 46,Val 58.3347, Test 56.2269
1.3782435161726816 0.105934903132064
Epoch 60, Time(s): 22.3136, estimated train loss 1.3496, acc 61.2282
Time: 1.3872289657592773, Val loss: 1.871494174003601, Test loss: 2.038060188293457
Val acc: 58.0712, Test acc: 56.1792
Best Epoch 46,Val 58.3347, Test 56.2269
1.3731152091707501 0.10368669682315418
Epoch 61, Time(s): 21.5159, estimated train loss 1.3431, acc 61.3407
Time: 1.4434888362884521, Val loss: 1.874446988105774, Test loss: 2.0353195667266846
Val acc: 58.1791, Test acc: 56.0385
Best Epoch 46,Val 58.3347, Test 56.2269
1.3696517961365835 0.10307323187589645
Epoch 62, Time(s): 21.8015, estimated train loss 1.3393, acc 61.3435
Time: 1.471146821975708, Val loss: 1.8903306722640991, Test loss: 2.0612568855285645
Val acc: 58.1452, Test acc: 56.2317
Best Epoch 46,Val 58.3347, Test 56.2269
1.3652303286961147 0.1003296927681991
Epoch 63, Time(s): 22.1987, estimated train loss 1.3330, acc 61.4649
Time: 1.4622952938079834, Val loss: 1.8955471515655518, Test loss: 2.064103126525879
Val acc: 58.0373, Test acc: 56.0266
Best Epoch 46,Val 58.3347, Test 56.2269
1.3623396566935948 0.1033603564969131
Epoch 64, Time(s): 22.1439, estimated train loss 1.3330, acc 61.5225
Time: 1.3973278999328613, Val loss: 1.9041200876235962, Test loss: 2.063995838165283
Val acc: 58.0758, Test acc: 56.1101
Best Epoch 46,Val 58.3347, Test 56.2269
1.3603802374431064 0.10183784429516111

Epoch 65, Time(s): 21.9700, estimated train loss 1.3302, acc 61.5667
Time: 1.4018545150756836, Val loss: 1.898564100265503, Test loss: 2.0678670406341553
Val acc: 58.0111, Test acc: 55.9265
Best Epoch 46,Val 58.3347, Test 56.2269
1.3566742675645012 0.09985860660672188
Epoch 66, Time(s): 21.1962, estimated train loss 1.3248, acc 61.6270
Time: 1.4532177448272705, Val loss: 1.893030047416687, Test loss: 2.0665714740753174
Val acc: 58.1683, Test acc: 56.0481
Best Epoch 46,Val 58.3347, Test 56.2269
1.3543712650026594 0.10187680742570332
Epoch 67, Time(s): 21.8094, estimated train loss 1.3246, acc 61.7106
Time: 1.3957247734069824, Val loss: 1.929579257965088, Test loss: 2.1106770038604736
Val acc: 58.1143, Test acc: 55.9432
Best Epoch 46,Val 58.3347, Test 56.2269
1.3551899773733957 0.09913774909717696
Epoch 68, Time(s): 21.9507, estimated train loss 1.3228, acc 61.6917
Time: 1.3864331245422363, Val loss: 1.9041203260421753, Test loss: 2.0749175548553467
Val acc: 58.1498, Test acc: 56.1983
Best Epoch 46,Val 58.3347, Test 56.2269
1.3473078778811864 0.09619022629090718
Epoch 69, Time(s): 21.9863, estimated train loss 1.3129, acc 61.8848
Time: 1.4120275974273682, Val loss: 1.9242801666259766, Test loss: 2.0961451530456543
Val acc: 58.0357, Test acc: 56.1625
Best Epoch 46,Val 58.3347, Test 56.2269
1.344962581566402 0.09681413865515164
Epoch 70, Time(s): 22.1495, estimated train loss 1.3112, acc 61.9122
Time: 1.3758227825164795, Val loss: 1.9290715456008911, Test loss: 2.1126015186309814
Val acc: 58.2716, Test acc: 56.3127
Best Epoch 46,Val 58.3347, Test 56.2269
1.3398921762193952 0.09464187324047088
Epoch 71, Time(s): 21.3960, estimated train loss 1.3048, acc 61.9460
Time: 1.4442825317382812, Val loss: 1.9449522495269775, Test loss: 2.127938985824585
Val acc: 58.3024, Test acc: 56.2817
Best Epoch 46,Val 58.3347, Test 56.2269
1.339006015232631 0.09584857342498643
Epoch 72, Time(s): 21.9327, estimated train loss 1.3048, acc 62.0078
Time: 1.3764779567718506, Val loss: 1.9421321153640747, Test loss: 2.1187572479248047
Val acc: 58.0666, Test acc: 56.2221
Best Epoch 46,Val 58.3347, Test 56.2269
1.3343612449509756 0.09390435804213797
Epoch 73, Time(s): 21.9898, estimated train loss 1.2990, acc 61.9816
Time: 1.4096190929412842, Val loss: 1.9435648918151855, Test loss: 2.117218255996704
Val acc: 57.9864, Test acc: 56.0910
Best Epoch 46,Val 58.3347, Test 56.2269

1.329805280481066 0.09287278109363147
Epoch 74, Time(s): 22.1241, estimated train loss 1.2943, acc 62.1383
Time: 1.42555570602417, Val loss: 1.9558889865875244, Test loss: 2.146815061569214
Val acc: 58.2176, Test acc: 56.0576
Best Epoch 46,Val 58.3347, Test 56.2269
1.331006247656686 0.09205008085284914
Epoch 75, Time(s): 21.5129, estimated train loss 1.2945, acc 62.2155
Time: 1.4473567008972168, Val loss: 1.9297218322753906, Test loss: 2.1149771213531494
Val acc: 58.3270, Test acc: 56.2484
Best Epoch 46,Val 58.3347, Test 56.2269
1.3265204327447073 0.0923223611499582
Epoch 76, Time(s): 22.2115, estimated train loss 1.2905, acc 62.2643
Time: 1.4296531677246094, Val loss: 1.9541122913360596, Test loss: 2.1328024864196777
Val acc: 58.1344, Test acc: 56.1458
Best Epoch 46,Val 58.3347, Test 56.2269
1.3245318038122995 0.09101231885807855
Epoch 77, Time(s): 22.4488, estimated train loss 1.2875, acc 62.2225
Time: 1.4015543460845947, Val loss: 1.9796333312988281, Test loss: 2.169294834136963
Val acc: 58.1467, Test acc: 56.3342
Best Epoch 46,Val 58.3347, Test 56.2269
1.3234610625675747 0.09018165032778468
Epoch 78, Time(s): 22.3194, estimated train loss 1.2857, acc 62.3197
Time: 1.3871054649353027, Val loss: 1.966760516166687, Test loss: 2.154407262802124
Val acc: 58.1760, Test acc: 56.2221
Best Epoch 46,Val 58.3347, Test 56.2269
1.31865861756461 0.0900777239884649
Epoch 79, Time(s): 21.4791, estimated train loss 1.2812, acc 62.3809
Time: 1.4924933910369873, Val loss: 1.9386366605758667, Test loss: 2.112320899963379
Val acc: 58.2731, Test acc: 56.4796
Best Epoch 46,Val 58.3347, Test 56.2269
1.3157923987933569 0.08812956373606409
Epoch 80, Time(s): 22.1758, estimated train loss 1.2772, acc 62.4678
Time: 1.3749194145202637, Val loss: 1.9639475345611572, Test loss: 2.146094560623169
Val acc: 58.1852, Test acc: 56.3604
Best Epoch 46,Val 58.3347, Test 56.2269
1.3109305603163584 0.08844197328601565
Epoch 81, Time(s): 22.2412, estimated train loss 1.2729, acc 62.6157
Time: 1.377342700958252, Val loss: 1.9154480695724487, Test loss: 2.086986780166626
Val acc: 58.2253, Test acc: 56.3414
Best Epoch 46,Val 58.3347, Test 56.2269
1.3119892954826355 0.0896989073072161
Epoch 82, Time(s): 21.9974, estimated train loss 1.2754, acc 62.5308
Time: 1.3649044036865234, Val loss: 1.9605439901351929, Test loss: 2.1468374729156494
Val acc: 58.3486, Test acc: 56.3867

Best Epoch 82,Val 58.3486, Test 56.3867
1.307789327417101 0.08897849576813834
Epoch 83, Time(s): 21.6046, estimated train loss 1.2705, acc 62.6390
Time: 1.4874846935272217, Val loss: 1.9735075235366821, Test loss: 2.1619787216186523
Val acc: 58.2037, Test acc: 56.1697
Best Epoch 82,Val 58.3486, Test 56.3867
1.3064302052770342 0.08678178861737251
Epoch 84, Time(s): 22.3413, estimated train loss 1.2675, acc 62.6014
Time: 1.4057025909423828, Val loss: 1.9548535346984863, Test loss: 2.137429714202881
Val acc: 58.2453, Test acc: 56.3056
Best Epoch 82,Val 58.3486, Test 56.3867
1.3020913209233964 0.08615554219910077
Epoch 85, Time(s): 22.1907, estimated train loss 1.2629, acc 62.7343
Time: 1.388423204421997, Val loss: 2.0180869102478027, Test loss: 2.2198922634124756
Val acc: 57.9602, Test acc: 55.9217
Best Epoch 82,Val 58.3486, Test 56.3867
1.3016073550496783 0.08637189971549171
Epoch 86, Time(s): 21.6418, estimated train loss 1.2626, acc 62.7580
Time: 1.408113956451416, Val loss: 1.9815510511398315, Test loss: 2.1759097576141357
Val acc: 58.2469, Test acc: 56.3223
Best Epoch 82,Val 58.3486, Test 56.3867
1.2984770996229988 0.08591128012963704
Epoch 87, Time(s): 21.9303, estimated train loss 1.2593, acc 62.7650
Time: 1.4376320838928223, Val loss: 1.9709806442260742, Test loss: 2.1512508392333984
Val acc: 58.1621, Test acc: 56.0528
Best Epoch 82,Val 58.3486, Test 56.3867
1.2959679654666356 0.08485931945698602
Epoch 88, Time(s): 22.2039, estimated train loss 1.2561, acc 62.8650
Time: 1.419635534286499, Val loss: 1.979293942451477, Test loss: 2.15559458732605
Val acc: 58.1159, Test acc: 56.1959
Best Epoch 82,Val 58.3486, Test 56.3867
1.295715400150844 0.08490672664982932
Epoch 89, Time(s): 22.2652, estimated train loss 1.2558, acc 62.9475
Time: 1.3861720561981201, Val loss: 2.0156636238098145, Test loss: 2.207312822341919
Val acc: 58.2685, Test acc: 56.3890
Best Epoch 82,Val 58.3486, Test 56.3867
1.2936821954590934 0.08313767090439797
Epoch 90, Time(s): 21.5572, estimated train loss 1.2524, acc 62.9184
Time: 1.451503038406372, Val loss: 1.9864970445632935, Test loss: 2.1761667728424072
Val acc: 58.2130, Test acc: 56.1482
Best Epoch 82,Val 58.3486, Test 56.3867
1.2922314167022706 0.08324358399425234
Epoch 91, Time(s): 21.8339, estimated train loss 1.2510, acc 62.9878
Time: 1.425201416015625, Val loss: 1.972115397453308, Test loss: 2.1583733558654785

Val acc: 58.1544, Test acc: 56.2937
Best Epoch 82,Val 58.3486, Test 56.3867
1.2881438272339958 0.0836058636861188
Epoch 92, Time(s): 22.1903, estimated train loss 1.2478, acc 63.0658
Time: 1.415900707244873, Val loss: 2.004082441329956, Test loss: 2.200301170349121
Val acc: 58.2037, Test acc: 56.1387
Best Epoch 82,Val 58.3486, Test 56.3867
1.284621330669948 0.08358312696218491
Epoch 93, Time(s): 22.3672, estimated train loss 1.2446, acc 63.0790
Time: 1.3987722396850586, Val loss: 1.9976727962493896, Test loss: 2.1882407665252686
Val acc: 58.4319, Test acc: 56.2507
Best Epoch 93,Val 58.4319, Test 56.2507
1.284529185295105 0.082721161203725
Epoch 94, Time(s): 21.7249, estimated train loss 1.2442, acc 63.1111
Time: 1.4572575092315674, Val loss: 2.0214877128601074, Test loss: 2.218367099761963
Val acc: 58.2577, Test acc: 56.1458
Best Epoch 93,Val 58.4319, Test 56.2507
1.2850942288126264 0.08268518213714872
Epoch 95, Time(s): 22.0018, estimated train loss 1.2443, acc 63.0488
Time: 1.429058313369751, Val loss: 1.995919108390808, Test loss: 2.1908504962921143
Val acc: 58.2654, Test acc: 56.2197
Best Epoch 93,Val 58.4319, Test 56.2507
1.280834722518921 0.08260040975042753
Epoch 96, Time(s): 22.3835, estimated train loss 1.2402, acc 63.1308
Time: 1.3941712379455566, Val loss: 1.9832158088684082, Test loss: 2.1761281490325928
Val acc: 57.9448, Test acc: 56.0767
Best Epoch 93,Val 58.4319, Test 56.2507
1.2787241101264955 0.08176944734794753
Epoch 97, Time(s): 22.2685, estimated train loss 1.2376, acc 63.2621
Time: 1.3890347480773926, Val loss: 1.9929407835006714, Test loss: 2.1775619983673096
Val acc: 58.1822, Test acc: 56.1411
Best Epoch 93,Val 58.4319, Test 56.2507
1.275594699382782 0.08068732055170195
Epoch 98, Time(s): 21.3812, estimated train loss 1.2339, acc 63.3058
Time: 1.4902970790863037, Val loss: 2.0211668014526367, Test loss: 2.224294900894165
Val acc: 58.2931, Test acc: 56.1077
Best Epoch 93,Val 58.4319, Test 56.2507
1.273723668711526 0.07947602750999587
Epoch 99, Time(s): 22.2068, estimated train loss 1.2308, acc 63.2726
Time: 1.4066784381866455, Val loss: 2.013432741165161, Test loss: 2.2056119441986084
Val acc: 58.4056, Test acc: 56.2460
Best Epoch 93,Val 58.4319, Test 56.2507
1.2708496962274825 0.08028579748102598
Epoch 100, Time(s): 22.3727, estimated train loss 1.2289, acc 63.4013

Time: 1.4116480350494385, Val loss: 2.0324184894561768, Test loss: 2.2218105792999268
Val acc: 58.2068, Test acc: 56.4033
Best Epoch 93,Val 58.4319, Test 56.2507
1.270222806930542 0.07908347078732082
Epoch 101, Time(s): 22.1521, estimated train loss 1.2274, acc 63.3793
Time: 1.3779146671295166, Val loss: 1.9971224069595337, Test loss: 2.179213762283325
Val acc: 58.1744, Test acc: 56.4510
Best Epoch 93,Val 58.4319, Test 56.2507
1.268387176309313 0.07932823342936379
Epoch 102, Time(s): 21.5749, estimated train loss 1.2258, acc 63.4253
Time: 1.460698127746582, Val loss: 1.9986541271209717, Test loss: 2.19435715675354
Val acc: 58.3656, Test acc: 56.3938
Best Epoch 93,Val 58.4319, Test 56.2507
1.2650107843535288 0.08011953085660935
Epoch 103, Time(s): 22.1958, estimated train loss 1.2239, acc 63.5298
Time: 1.4227590560913086, Val loss: 2.0597455501556396, Test loss: 2.2593727111816406
Val acc: 58.2654, Test acc: 56.4272
Best Epoch 93,Val 58.4319, Test 56.2507
1.2649825879505703 0.07913197268332754
Epoch 104, Time(s): 22.2299, estimated train loss 1.2228, acc 63.4295
Time: 1.3979082107543945, Val loss: 2.0209391117095947, Test loss: 2.2133848667144775
Val acc: 58.1837, Test acc: 56.3342
Best Epoch 93,Val 58.4319, Test 56.2507
1.263398357800075 0.07830257288047246
Epoch 105, Time(s): 21.8564, estimated train loss 1.2205, acc 63.5191
Time: 1.3841938972473145, Val loss: 2.0151970386505127, Test loss: 2.212985038757324
Val acc: 58.3548, Test acc: 56.3700
Best Epoch 93,Val 58.4319, Test 56.2507
1.2601237535476684 0.07816214795623506
Epoch 106, Time(s): 21.7442, estimated train loss 1.2174, acc 63.5903
Time: 1.4694037437438965, Val loss: 2.0314841270446777, Test loss: 2.2346267700195312
Val acc: 58.3902, Test acc: 56.3533
Best Epoch 93,Val 58.4319, Test 56.2507
1.2592692954199656 0.07862682778920446
Epoch 107, Time(s): 22.3546, estimated train loss 1.2171, acc 63.6614
Time: 1.4358258247375488, Val loss: 2.015747547149658, Test loss: 2.2144222259521484
Val acc: 58.2978, Test acc: 56.4010
Best Epoch 93,Val 58.4319, Test 56.2507
1.260484460421971 0.07841066223170076
Epoch 108, Time(s): 22.3274, estimated train loss 1.2179, acc 63.6792
Time: 1.4263114929199219, Val loss: 2.043414354324341, Test loss: 2.238996744155884
Val acc: 58.2561, Test acc: 56.4415
Best Epoch 93,Val 58.4319, Test 56.2507
1.254372477531433 0.07672421714024884

Epoch 109, Time(s): 21.7454, estimated train loss 1.2112, acc 63.6738
Time: 1.466982126235962, Val loss: 2.040436029434204, Test loss: 2.2383902072906494
Val acc: 58.1899, Test acc: 56.2364
Best Epoch 93,Val 58.4319, Test 56.2507
1.2572869181632995 0.07809758963329451
Epoch 110, Time(s): 22.0218, estimated train loss 1.2148, acc 63.7069
Time: 1.4101061820983887, Val loss: 2.0059309005737305, Test loss: 2.191314220428467
Val acc: 58.1467, Test acc: 56.1220
Best Epoch 93,Val 58.4319, Test 56.2507
1.2532349858965193 0.07728428404246057
Epoch 111, Time(s): 22.3582, estimated train loss 1.2103, acc 63.6851
Time: 1.4196953773498535, Val loss: 2.0345664024353027, Test loss: 2.229825258255005
Val acc: 58.3286, Test acc: 56.4248
Best Epoch 93,Val 58.4319, Test 56.2507
1.2473923751286098 0.07640427196664469
Epoch 112, Time(s): 22.2242, estimated train loss 1.2048, acc 63.8306
Time: 1.3849308490753174, Val loss: 2.0183496475219727, Test loss: 2.213005781173706
Val acc: 58.4365, Test acc: 56.2651
Best Epoch 112,Val 58.4365, Test 56.2651
1.2496427416801452 0.07692965641617774
Epoch 113, Time(s): 21.4415, estimated train loss 1.2067, acc 63.8640
Time: 1.4672751426696777, Val loss: 2.0241312980651855, Test loss: 2.2222840785980225
Val acc: 58.2685, Test acc: 56.3175
Best Epoch 112,Val 58.4365, Test 56.2651
1.2466552478926523 0.07569227830639907
Epoch 114, Time(s): 22.3162, estimated train loss 1.2031, acc 63.8965
Time: 1.4078187942504883, Val loss: 2.0580828189849854, Test loss: 2.262887716293335
Val acc: 58.2161, Test acc: 56.2603
Best Epoch 112,Val 58.4365, Test 56.2651
1.2462005513054983 0.07462697263274874
Epoch 115, Time(s): 22.4003, estimated train loss 1.2014, acc 63.9119
Time: 1.4082517623901367, Val loss: 2.0666892528533936, Test loss: 2.270883083343506
Val acc: 58.1791, Test acc: 56.2507
Best Epoch 112,Val 58.4365, Test 56.2651
1.242155943598066 0.07509536897497518
Epoch 116, Time(s): 21.7748, estimated train loss 1.1982, acc 63.9807
Time: 1.3999385833740234, Val loss: 2.0241684913635254, Test loss: 2.2104909420013428
Val acc: 58.1652, Test acc: 56.3700
Best Epoch 112,Val 58.4365, Test 56.2651
1.239041909149715 0.07438380558575902
Epoch 117, Time(s): 21.8198, estimated train loss 1.1947, acc 64.0687
Time: 1.453721523284912, Val loss: 2.0526282787323, Test loss: 2.2534801959991455
Val acc: 58.1251, Test acc: 56.0648
Best Epoch 112,Val 58.4365, Test 56.2651

1.2393635477338518 0.07240031393510955
Epoch 118, Time(s): 22.3082, estimated train loss 1.1934, acc 64.0576
Time: 1.43519926071167, Val loss: 2.051327705383301, Test loss: 2.2479960918426514
Val acc: 58.1621, Test acc: 56.4415
Best Epoch 112,Val 58.4365, Test 56.2651
1.2357198408671788 0.07486472677971635
Epoch 119, Time(s): 22.1969, estimated train loss 1.1923, acc 64.1438
Time: 1.3670430183410645, Val loss: 2.0369832515716553, Test loss: 2.2277069091796875
Val acc: 58.2423, Test acc: 56.4200
Best Epoch 112,Val 58.4365, Test 56.2651
1.2353393656866891 0.07282528802752494
Epoch 120, Time(s): 21.6582, estimated train loss 1.1901, acc 64.1403
Time: 1.4265494346618652, Val loss: 2.0545730590820312, Test loss: 2.2544898986816406
Val acc: 58.3363, Test acc: 56.3819
Best Epoch 112,Val 58.4365, Test 56.2651
1.232956441811153 0.07411016848470484
Epoch 121, Time(s): 21.6483, estimated train loss 1.1890, acc 64.1916
Time: 1.5393905639648438, Val loss: 2.0765647888183594, Test loss: 2.2784359455108643
Val acc: 58.2007, Test acc: 56.1530
Best Epoch 112,Val 58.4365, Test 56.2651
1.230410511153085 0.07279946697609765
Epoch 122, Time(s): 21.7491, estimated train loss 1.1857, acc 64.1904
Time: 1.371385097503662, Val loss: 2.042731523513794, Test loss: 2.239718437194824
Val acc: 58.5043, Test acc: 56.4749
Best Epoch 122,Val 58.5043, Test 56.4749
1.2281565819467817 0.07210308286760535
Epoch 123, Time(s): 22.1706, estimated train loss 1.1829, acc 64.2453
Time: 1.4168882369995117, Val loss: 2.0564146041870117, Test loss: 2.255629777908325
Val acc: 58.2361, Test acc: 56.2341
Best Epoch 122,Val 58.5043, Test 56.4749
1.226761485849108 0.07135226034692356
Epoch 124, Time(s): 22.1528, estimated train loss 1.1810, acc 64.2866
Time: 1.3845109939575195, Val loss: 2.05222487449646, Test loss: 2.255094051361084
Val acc: 58.3687, Test acc: 56.4200
Best Epoch 122,Val 58.5043, Test 56.4749
1.226576840877533 0.07254227782998766
Epoch 125, Time(s): 21.7011, estimated train loss 1.1821, acc 64.3406
Time: 1.450336217880249, Val loss: 2.1056740283966064, Test loss: 2.309558153152466
Val acc: 58.2007, Test acc: 56.1864
Best Epoch 122,Val 58.5043, Test 56.4749
1.2255848186356681 0.07275108891938414
Epoch 126, Time(s): 22.0813, estimated train loss 1.1815, acc 64.2990
Time: 1.405369758605957, Val loss: 2.089216470718384, Test loss: 2.29386305809021
Val acc: 58.2500, Test acc: 56.1482

Best Epoch 122,Val 58.5043, Test 56.4749
1.2251726644379752 0.0736749887998615
Epoch 127, Time(s): 23.0015, estimated train loss 1.1818, acc 64.3186
Time: 1.4622151851654053, Val loss: 2.0649631023406982, Test loss: 2.270345687866211
Val acc: 58.3887, Test acc: 56.3437
Best Epoch 122,Val 58.5043, Test 56.4749
1.2244459731238229 0.07250301225909166
Epoch 128, Time(s): 22.9499, estimated train loss 1.1799, acc 64.2749
Time: 1.3829703330993652, Val loss: 2.055584192276001, Test loss: 2.2587170600891113
Val acc: 58.2962, Test acc: 56.2913
Best Epoch 122,Val 58.5043, Test 56.4749
1.2213255047798157 0.07273615178252969
Epoch 129, Time(s): 21.8108, estimated train loss 1.1774, acc 64.4024
Time: 1.4472706317901611, Val loss: 2.0664634704589844, Test loss: 2.2767064571380615
Val acc: 58.3455, Test acc: 56.2913
Best Epoch 122,Val 58.5043, Test 56.4749
1.2204284514699664 0.07122654079326561
Epoch 130, Time(s): 22.3708, estimated train loss 1.1749, acc 64.3835
Time: 1.435399055480957, Val loss: 2.0540237426757812, Test loss: 2.259864091873169
Val acc: 58.4241, Test acc: 56.5130
Best Epoch 122,Val 58.5043, Test 56.4749
1.2182308690888541 0.07146055304578372
Epoch 131, Time(s): 22.2237, estimated train loss 1.1734, acc 64.5354
Time: 1.4033830165863037, Val loss: 2.125487804412842, Test loss: 2.33988356590271
Val acc: 58.1729, Test acc: 56.2364
Best Epoch 122,Val 58.5043, Test 56.4749
1.2184325678007943 0.07204567928399358
Epoch 132, Time(s): 22.2050, estimated train loss 1.1741, acc 64.4836
Time: 1.3941051959991455, Val loss: 2.083364725112915, Test loss: 2.2926523685455322
Val acc: 58.3995, Test acc: 56.2937
Best Epoch 122,Val 58.5043, Test 56.4749
1.214764242512839 0.0702967181801796
Epoch 133, Time(s): 21.4028, estimated train loss 1.1689, acc 64.5471
Time: 1.4821672439575195, Val loss: 2.084676504135132, Test loss: 2.2880008220672607
Val acc: 58.2453, Test acc: 56.2484
Best Epoch 122,Val 58.5043, Test 56.4749
1.2100712520735604 0.0683667673596314
Epoch 134, Time(s): 22.3210, estimated train loss 1.1632, acc 64.7238
Time: 1.4343345165252686, Val loss: 2.0618462562561035, Test loss: 2.264953136444092
Val acc: 58.2885, Test acc: 56.3652
Best Epoch 122,Val 58.5043, Test 56.4749
1.2059523940086365 0.06946381410317762
Epoch 135, Time(s): 22.2224, estimated train loss 1.1606, acc 64.7428
Time: 1.394604206085205, Val loss: 2.0763278007507324, Test loss: 2.280012845993042

Val acc: 58.2669, Test acc: 56.2245
Best Epoch 122,Val 58.5043, Test 56.4749
1.2106714912823269 0.06858288597847734
Epoch 136, Time(s): 22.0637, estimated train loss 1.1637, acc 64.6288
Time: 1.4086377620697021, Val loss: 2.0894110202789307, Test loss: 2.2943804264068604
Val acc: 58.3209, Test acc: 56.3390
Best Epoch 122,Val 58.5043, Test 56.4749
1.207440233230591 0.06886605141418321
Epoch 137, Time(s): 21.3933, estimated train loss 1.1611, acc 64.7327
Time: 1.448465347290039, Val loss: 2.1245317459106445, Test loss: 2.3328230381011963
Val acc: 58.1852, Test acc: 56.2674
Best Epoch 122,Val 58.5043, Test 56.4749
1.2037221959659032 0.06820575653442315
Epoch 138, Time(s): 22.0927, estimated train loss 1.1573, acc 64.7395
Time: 1.477771520614624, Val loss: 2.1034109592437744, Test loss: 2.313199996948242
Val acc: 58.1822, Test acc: 56.1768
Best Epoch 122,Val 58.5043, Test 56.4749
1.206509348324367 0.06907614102321012
Epoch 139, Time(s): 22.1924, estimated train loss 1.1604, acc 64.8329
Time: 1.4318995475769043, Val loss: 2.1028778553009033, Test loss: 2.3166704177856445
Val acc: 58.3378, Test acc: 56.2603
Best Epoch 122,Val 58.5043, Test 56.4749
1.2046635781015669 0.06981564259954862
Epoch 140, Time(s): 22.2549, estimated train loss 1.1593, acc 64.8426
Time: 1.418060302734375, Val loss: 2.112624168395996, Test loss: 2.330798864364624
Val acc: 58.5459, Test acc: 56.5917
Best Epoch 140,Val 58.5459, Test 56.5917
1.2017464671816145 0.06938885067190442
Epoch 141, Time(s): 21.6125, estimated train loss 1.1565, acc 64.8129
Time: 1.4656543731689453, Val loss: 2.102524518966675, Test loss: 2.304891586303711
Val acc: 58.1822, Test acc: 56.4057
Best Epoch 140,Val 58.5459, Test 56.5917
1.1999886410576956 0.06743203188691821
Epoch 142, Time(s): 21.7587, estimated train loss 1.1530, acc 64.8786
Time: 1.385180950164795, Val loss: 2.1002049446105957, Test loss: 2.309504747390747
Val acc: 58.2592, Test acc: 56.3533
Best Epoch 140,Val 58.5459, Test 56.5917
1.1986755916050502 0.06773977034858294
Epoch 143, Time(s): 22.0855, estimated train loss 1.1522, acc 64.9568
Time: 1.4075088500976562, Val loss: 2.119133472442627, Test loss: 2.3285751342773438
Val acc: 58.1205, Test acc: 56.2197
Best Epoch 140,Val 58.5459, Test 56.5917
1.1969945073127746 0.06885298953524657
Epoch 144, Time(s): 22.0013, estimated train loss 1.1516, acc 64.9889

Time: 1.3923861980438232, Val loss: 2.1142468452453613, Test loss: 2.3257334232330322
Val acc: 58.3055, Test acc: 56.1697
Best Epoch 140,Val 58.5459, Test 56.5917
1.1972938060760498 0.06759847780423504
Epoch 145, Time(s): 21.9567, estimated train loss 1.1506, acc 65.0054
Time: 1.3508975505828857, Val loss: 2.115644693374634, Test loss: 2.32783579826355
Val acc: 58.2870, Test acc: 56.3795
Best Epoch 140,Val 58.5459, Test 56.5917
1.1969412326812745 0.06660233406083925
Epoch 146, Time(s): 21.3942, estimated train loss 1.1496, acc 65.0051
Time: 1.468855619430542, Val loss: 2.1162960529327393, Test loss: 2.3297998905181885
Val acc: 58.1929, Test acc: 56.2245
Best Epoch 140,Val 58.5459, Test 56.5917
1.193547533239637 0.06757140995136329
Epoch 147, Time(s): 22.0653, estimated train loss 1.1474, acc 64.9525
Time: 1.388575553894043, Val loss: 2.103977918624878, Test loss: 2.3144471645355225
Val acc: 58.3548, Test acc: 56.3628
Best Epoch 140,Val 58.5459, Test 56.5917
1.1946813004357475 0.06814305079834802
Epoch 148, Time(s): 22.1399, estimated train loss 1.1487, acc 65.0643
Time: 1.3842034339904785, Val loss: 2.110930919647217, Test loss: 2.3218436241149902
Val acc: 58.4488, Test acc: 56.3938
Best Epoch 140,Val 58.5459, Test 56.5917
1.1907799652644566 0.06592784140791212
Epoch 149, Time(s): 22.1214, estimated train loss 1.1433, acc 65.0753
Time: 1.3985624313354492, Val loss: 2.121622085571289, Test loss: 2.337569236755371
Val acc: 58.2346, Test acc: 56.1434
Best Epoch 140,Val 58.5459, Test 56.5917
1.1911227413586207 0.06840578440044608
Epoch 150, Time(s): 21.5834, estimated train loss 1.1463, acc 65.0575
Time: 1.396174430847168, Val loss: 2.133207321166992, Test loss: 2.3408071994781494
Val acc: 58.3409, Test acc: 56.4653
Best Epoch 140,Val 58.5459, Test 56.5917
1.1894371390342713 0.06792483808738844
Epoch 151, Time(s): 21.5389, estimated train loss 1.1440, acc 65.1380
Time: 1.4372870922088623, Val loss: 2.120551586151123, Test loss: 2.327989339828491
Val acc: 58.3502, Test acc: 56.3700
Best Epoch 140,Val 58.5459, Test 56.5917
1.191457806314741 0.06692136329199587
Epoch 152, Time(s): 22.1220, estimated train loss 1.1448, acc 65.0881
Time: 1.3904054164886475, Val loss: 2.1257164478302, Test loss: 2.333806037902832
Val acc: 58.2315, Test acc: 56.1888
Best Epoch 140,Val 58.5459, Test 56.5917
1.1883388689586094 0.06627229936420917

Epoch 153, Time(s): 22.0981, estimated train loss 1.1415, acc 65.1096
Time: 1.4100313186645508, Val loss: 2.1346616744995117, Test loss: 2.3388307094573975
Val acc: 58.2700, Test acc: 56.2865
Best Epoch 140,Val 58.5459, Test 56.5917
1.185648626940591 0.06616549805871078
Epoch 154, Time(s): 22.1808, estimated train loss 1.1389, acc 65.2341
Time: 1.4181151390075684, Val loss: 2.1139309406280518, Test loss: 2.3216702938079834
Val acc: 58.2731, Test acc: 56.3962
Best Epoch 140,Val 58.5459, Test 56.5917
1.183126745905195 0.06711883779082979
Epoch 155, Time(s): 21.7228, estimated train loss 1.1375, acc 65.2756
Time: 1.4257230758666992, Val loss: 2.1548092365264893, Test loss: 2.3702640533447266
Val acc: 58.2515, Test acc: 56.3199
Best Epoch 140,Val 58.5459, Test 56.5917
1.1839850068092346 0.06579508015087672
Epoch 156, Time(s): 21.9002, estimated train loss 1.1371, acc 65.2354
Time: 1.4206712245941162, Val loss: 2.1438863277435303, Test loss: 2.354093313217163
Val acc: 58.1452, Test acc: 56.2651
Best Epoch 140,Val 58.5459, Test 56.5917
1.1814837285450526 0.06677667738071509
Epoch 157, Time(s): 22.2485, estimated train loss 1.1356, acc 65.2732
Time: 1.444791316986084, Val loss: 2.1209700107574463, Test loss: 2.3359241485595703
Val acc: 58.1929, Test acc: 56.3485
Best Epoch 140,Val 58.5459, Test 56.5917
1.1774853348731995 0.06583430250840527
Epoch 158, Time(s): 22.0734, estimated train loss 1.1313, acc 65.3396
Time: 1.3797166347503662, Val loss: 2.1273131370544434, Test loss: 2.338982343673706
Val acc: 58.2253, Test acc: 56.3843
Best Epoch 140,Val 58.5459, Test 56.5917
1.1790681225912911 0.06511354680572237
Epoch 159, Time(s): 22.0222, estimated train loss 1.1320, acc 65.3812
Time: 1.3758375644683838, Val loss: 2.118771553039551, Test loss: 2.326415538787842
Val acc: 58.3625, Test acc: 56.3318
Best Epoch 140,Val 58.5459, Test 56.5917
1.1773868799209595 0.06454779644097601
Epoch 160, Time(s): 21.2861, estimated train loss 1.1298, acc 65.4080
Time: 1.4491779804229736, Val loss: 2.1502580642700195, Test loss: 2.3600687980651855
Val acc: 58.1852, Test acc: 56.4224
Best Epoch 140,Val 58.5459, Test 56.5917
1.1755635125296457 0.06512295151395457
Epoch 161, Time(s): 21.8932, estimated train loss 1.1289, acc 65.4423
Time: 1.4068470001220703, Val loss: 2.1571130752563477, Test loss: 2.372767448425293
Val acc: 58.2839, Test acc: 56.2817
Best Epoch 140,Val 58.5459, Test 56.5917

1.1762483613831656 0.06591212094894477
Epoch 162, Time(s): 22.0380, estimated train loss 1.1302, acc 65.4406
Time: 1.4024944305419922, Val loss: 2.127955675125122, Test loss: 2.3471150398254395
Val acc: 58.4319, Test acc: 56.4153
Best Epoch 140,Val 58.5459, Test 56.5917
1.1744541696139745 0.06498638013643877
Epoch 163, Time(s): 22.0438, estimated train loss 1.1274, acc 65.4293
Time: 1.3988845348358154, Val loss: 2.1219654083251953, Test loss: 2.3286502361297607
Val acc: 58.2068, Test acc: 56.1768
Best Epoch 140,Val 58.5459, Test 56.5917
1.175046856062753 0.06499137207865716
Epoch 164, Time(s): 21.8486, estimated train loss 1.1281, acc 65.5062
Time: 1.3587336540222168, Val loss: 2.160890579223633, Test loss: 2.3789749145507812
Val acc: 58.2654, Test acc: 56.1434
Best Epoch 140,Val 58.5459, Test 56.5917
1.1705893959317888 0.06355026603809424
Epoch 165, Time(s): 21.3041, estimated train loss 1.1228, acc 65.5116
Time: 1.4549586772918701, Val loss: 2.113539934158325, Test loss: 2.3217270374298096
Val acc: 58.4442, Test acc: 56.3509
Best Epoch 140,Val 58.5459, Test 56.5917
1.1691407561302185 0.0653533789728369
Epoch 166, Time(s): 21.9537, estimated train loss 1.1232, acc 65.5280
Time: 1.4423034191131592, Val loss: 2.1376359462738037, Test loss: 2.350632667541504
Val acc: 58.3563, Test acc: 56.3747
Best Epoch 140,Val 58.5459, Test 56.5917
1.1717341082436699 0.06443007428731237
Epoch 167, Time(s): 22.1208, estimated train loss 1.1244, acc 65.4520
Time: 1.4104194641113281, Val loss: 2.125312566757202, Test loss: 2.3309969902038574
Val acc: 58.4396, Test acc: 56.4177
Best Epoch 140,Val 58.5459, Test 56.5917
1.1646192107881819 0.06364168067063604
Epoch 168, Time(s): 22.0878, estimated train loss 1.1176, acc 65.6283
Time: 1.3809576034545898, Val loss: 2.129549264907837, Test loss: 2.3388452529907227
Val acc: 58.3286, Test acc: 56.4129
Best Epoch 140,Val 58.5459, Test 56.5917
1.1670897313526698 0.06458363373364721
Epoch 169, Time(s): 21.7505, estimated train loss 1.1207, acc 65.6409
Time: 1.4135727882385254, Val loss: 2.134467601776123, Test loss: 2.3467206954956055
Val acc: 58.4056, Test acc: 56.4725
Best Epoch 140,Val 58.5459, Test 56.5917
1.168013652733394 0.06504172230405467
Epoch 170, Time(s): 21.6015, estimated train loss 1.1222, acc 65.6322
Time: 1.46565842628479, Val loss: 2.1061010360717773, Test loss: 2.317789077758789
Val acc: 58.4164, Test acc: 56.5416

Best Epoch 140,Val 58.5459, Test 56.5917
1.1610081655638558 0.06229220905474254
Epoch 171, Time(s): 22.2478, estimated train loss 1.1129, acc 65.7716
Time: 1.3930180072784424, Val loss: 2.1381328105926514, Test loss: 2.3486878871917725
Val acc: 58.3748, Test acc: 56.4725
Best Epoch 140,Val 58.5459, Test 56.5917
1.1637259364128112 0.06309176965483597
Epoch 172, Time(s): 22.2394, estimated train loss 1.1162, acc 65.6050
Time: 1.4026076793670654, Val loss: 2.1608500480651855, Test loss: 2.3802292346954346
Val acc: 58.3317, Test acc: 56.3795
Best Epoch 140,Val 58.5459, Test 56.5917
1.1606696673801966 0.06401044236762184
Epoch 173, Time(s): 22.2265, estimated train loss 1.1142, acc 65.7359
Time: 1.4111382961273193, Val loss: 2.149095058441162, Test loss: 2.361084222793579
Val acc: 58.3055, Test acc: 56.3437
Best Epoch 140,Val 58.5459, Test 56.5917
1.1593757203647068 0.06309455920542989
Epoch 174, Time(s): 21.4185, estimated train loss 1.1124, acc 65.7678
Time: 1.4412281513214111, Val loss: 2.1769728660583496, Test loss: 2.3941807746887207
Val acc: 58.1637, Test acc: 56.3628
Best Epoch 140,Val 58.5459, Test 56.5917
1.162304973602295 0.06295276220355715
Epoch 175, Time(s): 21.6880, estimated train loss 1.1145, acc 65.7751
Time: 1.4385745525360107, Val loss: 2.180267095565796, Test loss: 2.3940861225128174
Val acc: 58.2561, Test acc: 56.3127
Best Epoch 140,Val 58.5459, Test 56.5917
1.158532670566014 0.06349428349307605
Epoch 176, Time(s): 21.9908, estimated train loss 1.1117, acc 65.8097
Time: 1.4507155418395996, Val loss: 2.197317123413086, Test loss: 2.4099297523498535
Val acc: 58.1744, Test acc: 56.3938
Best Epoch 140,Val 58.5459, Test 56.5917
1.1565202270235335 0.06293070683521884
Epoch 177, Time(s): 22.1291, estimated train loss 1.1097, acc 65.8787
Time: 1.4029653072357178, Val loss: 2.1641299724578857, Test loss: 2.3704404830932617
Val acc: 58.2839, Test acc: 56.3795
Best Epoch 140,Val 58.5459, Test 56.5917
1.1574770723070418 0.06229871181505067
Epoch 178, Time(s): 22.0624, estimated train loss 1.1101, acc 65.8645
Time: 1.3837218284606934, Val loss: 2.167560338973999, Test loss: 2.3851122856140137
Val acc: 58.6446, Test acc: 56.6299
Best Epoch 178,Val 58.6446, Test 56.6299
1.1562135338783264 0.06282228848763875
Epoch 179, Time(s): 22.8090, estimated train loss 1.1088, acc 65.8413
Time: 1.6230614185333252, Val loss: 2.1843302249908447, Test loss: 2.39943528175354

Val acc: 58.2469, Test acc: 56.3127
Best Epoch 178,Val 58.6446, Test 56.6299
1.1526246854237148 0.05989671062145915
Epoch 180, Time(s): 24.0719, estimated train loss 1.1030, acc 65.9490
Time: 1.6472151279449463, Val loss: 2.179516077041626, Test loss: 2.3940351009368896
Val acc: 58.3594, Test acc: 56.3938
Best Epoch 178,Val 58.6446, Test 56.6299
1.15186128786632 0.06266086431486266
Epoch 181, Time(s): 24.1071, estimated train loss 1.1049, acc 65.9717
Time: 1.6040794849395752, Val loss: 2.13222599029541, Test loss: 2.3502886295318604
Val acc: 58.4180, Test acc: 56.4343
Best Epoch 178,Val 58.6446, Test 56.6299
1.151958167552948 0.06136780711156981
Epoch 182, Time(s): 24.1084, estimated train loss 1.1039, acc 65.9127
Time: 1.5809199810028076, Val loss: 2.1393892765045166, Test loss: 2.358287811279297
Val acc: 58.3764, Test acc: 56.4033
Best Epoch 178,Val 58.6446, Test 56.6299
1.1507642115865435 0.06239499082522733
Epoch 183, Time(s): 23.7834, estimated train loss 1.1036, acc 66.0100
Time: 1.5353822708129883, Val loss: 2.149214744567871, Test loss: 2.36924409866333
Val acc: 58.5428, Test acc: 56.4510
Best Epoch 178,Val 58.6446, Test 56.6299
1.148574696268354 0.06141463369131088
Epoch 184, Time(s): 23.8861, estimated train loss 1.1009, acc 66.0304
Time: 1.4471120834350586, Val loss: 2.1872518062591553, Test loss: 2.4044599533081055
Val acc: 58.1960, Test acc: 56.2746
Best Epoch 178,Val 58.6446, Test 56.6299
1.1503947734832765 0.06207442491182259
Epoch 185, Time(s): 22.8530, estimated train loss 1.1032, acc 65.9476
Time: 1.6233580112457275, Val loss: 2.1373989582061768, Test loss: 2.3560688495635986
Val acc: 58.4241, Test acc: 56.3604
Best Epoch 178,Val 58.6446, Test 56.6299
1.148767568383898 0.06356291472911835
Epoch 186, Time(s): 23.1479, estimated train loss 1.1030, acc 66.0339
Time: 1.48234224319458, Val loss: 2.1927807331085205, Test loss: 2.416966438293457
Val acc: 58.3378, Test acc: 56.1864
Best Epoch 178,Val 58.6446, Test 56.6299
1.148380173955645 0.06228077087019171
Epoch 187, Time(s): 23.0823, estimated train loss 1.1015, acc 65.9918
Time: 1.4542620182037354, Val loss: 2.17203688621521, Test loss: 2.384178876876831
Val acc: 58.2130, Test acc: 56.3890
Best Epoch 178,Val 58.6446, Test 56.6299
1.1467819843973432 0.061711477967245236
Epoch 188, Time(s): 22.3923, estimated train loss 1.0995, acc 66.0575

Time: 1.4647119045257568, Val loss: 2.151549816131592, Test loss: 2.367858409881592
Val acc: 58.3717, Test acc: 56.3604
Best Epoch 178,Val 58.6446, Test 56.6299
1.1439934015274047 0.06249489480895656
Epoch 189, Time(s): 22.8221, estimated train loss 1.0978, acc 66.1041
Time: 1.4409713745117188, Val loss: 2.188101053237915, Test loss: 2.408865451812744
Val acc: 58.2130, Test acc: 56.3914
Best Epoch 178,Val 58.6446, Test 56.6299
1.144716487612043 0.061909026013953344
Epoch 190, Time(s): 22.6569, estimated train loss 1.0977, acc 66.1379
Time: 1.3956363201141357, Val loss: 2.1813199520111084, Test loss: 2.396383285522461
Val acc: 58.0912, Test acc: 56.3080
Best Epoch 178,Val 58.6446, Test 56.6299
1.1423761248588562 0.06271425283380917
Epoch 191, Time(s): 22.0626, estimated train loss 1.0965, acc 66.1611
Time: 1.47800612449646, Val loss: 2.2190628051757812, Test loss: 2.4444894790649414
Val acc: 58.2238, Test acc: 56.2341
Best Epoch 178,Val 58.6446, Test 56.6299
1.1423595190048217 0.06125354463500636
Epoch 192, Time(s): 22.7084, estimated train loss 1.0953, acc 66.1651
Time: 1.4578709602355957, Val loss: 2.1773784160614014, Test loss: 2.3974411487579346
Val acc: 58.3163, Test acc: 56.2746
Best Epoch 178,Val 58.6446, Test 56.6299
1.14205333845956 0.061634767800569534
Epoch 193, Time(s): 21.8042, estimated train loss 1.0952, acc 66.1257
Time: 1.473510980606079, Val loss: 2.184927463531494, Test loss: 2.4087607860565186
Val acc: 58.3717, Test acc: 56.3008
Best Epoch 178,Val 58.6446, Test 56.6299
1.141802499975477 0.05995631366968155
Epoch 194, Time(s): 22.1907, estimated train loss 1.0934, acc 66.2068
Time: 1.4455115795135498, Val loss: 2.1837427616119385, Test loss: 2.403259515762329
Val acc: 58.3594, Test acc: 56.3247
Best Epoch 178,Val 58.6446, Test 56.6299
1.140168741771153 0.061763688283307215
Epoch 195, Time(s): 22.4505, estimated train loss 1.0940, acc 66.2653
Time: 1.412419080734253, Val loss: 2.1792736053466797, Test loss: 2.3946890830993652
Val acc: 58.4211, Test acc: 56.5607
Best Epoch 178,Val 58.6446, Test 56.6299
1.1393908194133213 0.062266243515270096
Epoch 196, Time(s): 22.0561, estimated train loss 1.0935, acc 66.2044
Time: 1.374540090560913, Val loss: 2.194690465927124, Test loss: 2.418731927871704
Val acc: 58.1929, Test acc: 56.0886
Best Epoch 178,Val 58.6446, Test 56.6299
1.1400805813925607 0.06139078816132886

Epoch 197, Time(s): 21.8126, estimated train loss 1.0929, acc 66.1817
Time: 1.5038623809814453, Val loss: 2.184744358062744, Test loss: 2.40494704246521
Val acc: 58.3147, Test acc: 56.2889
Best Epoch 178,Val 58.6446, Test 56.6299
1.1397106954029628 0.06080670223704406
Epoch 198, Time(s): 22.4523, estimated train loss 1.0921, acc 66.2712
Time: 1.4472706317901611, Val loss: 2.1769678592681885, Test loss: 2.395329713821411
Val acc: 58.2638, Test acc: 56.2484
Best Epoch 178,Val 58.6446, Test 56.6299
1.1335160664149693 0.060764384163277486
Epoch 199, Time(s): 22.5482, estimated train loss 1.0869, acc 66.2872
Time: 1.4281063079833984, Val loss: 2.172635555267334, Test loss: 2.395446538925171
Val acc: 58.4426, Test acc: 56.3747
Best Epoch 178,Val 58.6446, Test 56.6299
1.1281069942883082 0.06124952882528305
Epoch 200, Time(s): 21.6239, estimated train loss 1.0822, acc 66.4502
Time: 1.4612839221954346, Val loss: 2.2146823406219482, Test loss: 2.4414749145507812
Val acc: 58.4072, Test acc: 56.4057
Best Epoch 178,Val 58.6446, Test 56.6299
1.137029595034463 0.05987876882510526
Epoch 201, Time(s): 22.2211, estimated train loss 1.0889, acc 66.2621
Time: 1.4237918853759766, Val loss: 2.1884398460388184, Test loss: 2.4067511558532715
Val acc: 58.3378, Test acc: 56.5250
Best Epoch 178,Val 58.6446, Test 56.6299
1.1345566834722247 0.06067293328898293
Epoch 202, Time(s): 22.3178, estimated train loss 1.0873, acc 66.3333
Time: 1.4868297576904297, Val loss: 2.1957883834838867, Test loss: 2.4156739711761475
Val acc: 58.3193, Test acc: 56.3366
Best Epoch 178,Val 58.6446, Test 56.6299
1.131788092000144 0.060661875775882175
Epoch 203, Time(s): 22.4301, estimated train loss 1.0849, acc 66.4389
Time: 1.415806770324707, Val loss: 2.2122135162353516, Test loss: 2.4274065494537354
Val acc: 58.2839, Test acc: 56.3557
Best Epoch 178,Val 58.6446, Test 56.6299
1.129010968548911 0.06091728907610689
Epoch 204, Time(s): 21.3856, estimated train loss 1.0833, acc 66.3588
Time: 1.473381757736206, Val loss: 2.194427728652954, Test loss: 2.4137065410614014
Val acc: 58.3008, Test acc: 56.2651
Best Epoch 178,Val 58.6446, Test 56.6299
1.131801780632564 0.06146947656358991
Epoch 205, Time(s): 21.7817, estimated train loss 1.0856, acc 66.3827
Time: 1.381673812866211, Val loss: 2.1956515312194824, Test loss: 2.416527271270752
Val acc: 58.4673, Test acc: 56.4796
Best Epoch 178,Val 58.6446, Test 56.6299

1.129054844379425 0.060539848410657474
Epoch 206, Time(s): 21.5780, estimated train loss 1.0824, acc 66.4519
Time: 1.3627233505249023, Val loss: 2.23075270652771, Test loss: 2.4574525356292725
Val acc: 58.3779, Test acc: 56.4224
Best Epoch 178,Val 58.6446, Test 56.6299
1.1286977427346365 0.059085751218455176
Epoch 207, Time(s): 22.1517, estimated train loss 1.0806, acc 66.4721
Time: 1.393169641494751, Val loss: 2.2167391777038574, Test loss: 2.4428913593292236
Val acc: 58.1714, Test acc: 56.1339
Best Epoch 178,Val 58.6446, Test 56.6299
1.1248479042734418 0.05852758932326521
Epoch 208, Time(s): 22.0923, estimated train loss 1.0768, acc 66.4827
Time: 1.403813123703003, Val loss: 2.221162796020508, Test loss: 2.4537272453308105
Val acc: 58.5552, Test acc: 56.4296
Best Epoch 178,Val 58.6446, Test 56.6299
1.1242375356810435 0.058779448696545195
Epoch 209, Time(s): 21.8269, estimated train loss 1.0764, acc 66.5953
Time: 1.3607048988342285, Val loss: 2.2006139755249023, Test loss: 2.4268486499786377
Val acc: 58.4396, Test acc: 56.3795
Best Epoch 178,Val 58.6446, Test 56.6299
1.1282659888267517 0.0608942338930709
Epoch 210, Time(s): 21.6847, estimated train loss 1.0820, acc 66.4491
Time: 1.460357904434204, Val loss: 2.1588234901428223, Test loss: 2.3752822875976562
Val acc: 58.2638, Test acc: 56.2770
Best Epoch 178,Val 58.6446, Test 56.6299
1.1266953672681537 0.05998950776244913
Epoch 211, Time(s): 21.9731, estimated train loss 1.0797, acc 66.4765
Time: 1.416367769241333, Val loss: 2.1921160221099854, Test loss: 2.4160475730895996
Val acc: 58.4118, Test acc: 56.3318
Best Epoch 178,Val 58.6446, Test 56.6299
1.1242012534822736 0.05878767174269472
Epoch 212, Time(s): 22.0733, estimated train loss 1.0765, acc 66.5790
Time: 1.4011006355285645, Val loss: 2.229505777359009, Test loss: 2.452887535095215
Val acc: 58.1529, Test acc: 56.1625
Best Epoch 178,Val 58.6446, Test 56.6299
1.1242420383862086 0.05876592685069357
Epoch 213, Time(s): 22.0314, estimated train loss 1.0763, acc 66.5212
Time: 1.399855613708496, Val loss: 2.2360193729400635, Test loss: 2.468935966491699
Val acc: 58.4457, Test acc: 56.5226
Best Epoch 178,Val 58.6446, Test 56.6299
1.1212349023137773 0.05889065978782518
Epoch 214, Time(s): 21.5047, estimated train loss 1.0737, acc 66.5507
Time: 1.4356400966644287, Val loss: 2.252856731414795, Test loss: 2.4903392791748047
Val acc: 58.5074, Test acc: 56.4010

Best Epoch 178,Val 58.6446, Test 56.6299
1.1202576313699995 0.0582107737660408
Epoch 215, Time(s): 21.6971, estimated train loss 1.0721, acc 66.6611
Time: 1.4986999034881592, Val loss: 2.2150678634643555, Test loss: 2.4348676204681396
Val acc: 58.2531, Test acc: 56.4534
Best Epoch 178,Val 58.6446, Test 56.6299
1.1189183252198356 0.05839242945824351
Epoch 216, Time(s): 22.0917, estimated train loss 1.0711, acc 66.6182
Time: 1.4011907577514648, Val loss: 2.187429428100586, Test loss: 2.410303831100464
Val acc: 58.5397, Test acc: 56.5536
Best Epoch 178,Val 58.6446, Test 56.6299
1.1176470245633807 0.058246902482850214
Epoch 217, Time(s): 22.1618, estimated train loss 1.0700, acc 66.6432
Time: 1.3947560787200928, Val loss: 2.225160598754883, Test loss: 2.449781656265259
Val acc: 58.3779, Test acc: 56.4773
Best Epoch 178,Val 58.6446, Test 56.6299
1.1139833969729287 0.05863679913537843
Epoch 218, Time(s): 22.0176, estimated train loss 1.0671, acc 66.7151
Time: 1.3966825008392334, Val loss: 2.2381887435913086, Test loss: 2.460984706878662
Val acc: 58.1390, Test acc: 56.2054
Best Epoch 178,Val 58.6446, Test 56.6299
1.1169033782822746 0.05968907981046608
Epoch 219, Time(s): 21.4562, estimated train loss 1.0707, acc 66.6527
Time: 1.4742238521575928, Val loss: 2.2172722816467285, Test loss: 2.4382119178771973
Val acc: 58.4380, Test acc: 56.3390
Best Epoch 178,Val 58.6446, Test 56.6299
1.1131590025765554 0.056744059494563515
Epoch 220, Time(s): 21.7511, estimated train loss 1.0642, acc 66.8336
Time: 1.4128050804138184, Val loss: 2.2113773822784424, Test loss: 2.4327495098114014
Val acc: 58.1960, Test acc: 56.4081
Best Epoch 178,Val 58.6446, Test 56.6299
1.1148410047803605 0.05775904964123454
Epoch 221, Time(s): 22.1296, estimated train loss 1.0668, acc 66.7979
Time: 1.4184446334838867, Val loss: 2.2281546592712402, Test loss: 2.4535038471221924
Val acc: 58.4473, Test acc: 56.4200
Best Epoch 178,Val 58.6446, Test 56.6299
1.114367595740727 0.05737389288842678
Epoch 222, Time(s): 22.0387, estimated train loss 1.0661, acc 66.8130
Time: 1.401681661605835, Val loss: 2.181776523590088, Test loss: 2.4026575088500977
Val acc: 58.4103, Test acc: 56.4081
Best Epoch 178,Val 58.6446, Test 56.6299
1.1122134566307067 0.05765066333115101
Epoch 223, Time(s): 22.0606, estimated train loss 1.0643, acc 66.7839
Time: 1.367222785949707, Val loss: 2.2388782501220703, Test loss: 2.46817946434021

Val acc: 58.4627, Test acc: 56.3676
Best Epoch 178,Val 58.6446, Test 56.6299
1.110465179170881 0.05757093019783497
Epoch 224, Time(s): 21.3157, estimated train loss 1.0628, acc 66.8425
Time: 1.4613585472106934, Val loss: 2.2350821495056152, Test loss: 2.4580962657928467
Val acc: 58.4026, Test acc: 56.4320
Best Epoch 178,Val 58.6446, Test 56.6299
1.1120450394494192 0.059075435676745
Epoch 225, Time(s): 21.9072, estimated train loss 1.0657, acc 66.8020
Time: 1.396674633026123, Val loss: 2.2047173976898193, Test loss: 2.425539255142212
Val acc: 58.3779, Test acc: 56.3890
Best Epoch 178,Val 58.6446, Test 56.6299
1.1131590706961496 0.05993221269122192
Epoch 226, Time(s): 22.0775, estimated train loss 1.0675, acc 66.7602
Time: 1.3848743438720703, Val loss: 2.248173475265503, Test loss: 2.4734673500061035
Val acc: 58.3733, Test acc: 56.4296
Best Epoch 178,Val 58.6446, Test 56.6299
1.1136944617543902 0.05754699632525444
Epoch 227, Time(s): 22.0598, estimated train loss 1.0658, acc 66.8279
Time: 1.4097392559051514, Val loss: 2.2058937549591064, Test loss: 2.4291329383850098
Val acc: 58.2191, Test acc: 56.1959
Best Epoch 178,Val 58.6446, Test 56.6299
1.1075027670179094 0.05765123085251876
Epoch 228, Time(s): 21.8678, estimated train loss 1.0603, acc 66.9130
Time: 1.3608441352844238, Val loss: 2.2082526683807373, Test loss: 2.425243616104126
Val acc: 58.3656, Test acc: 56.4177
Best Epoch 178,Val 58.6446, Test 56.6299
1.1112629924501691 0.058957992334450995
Epoch 229, Time(s): 21.3260, estimated train loss 1.0649, acc 66.8983
Time: 1.4354267120361328, Val loss: 2.199258804321289, Test loss: 2.4193711280822754
Val acc: 58.3856, Test acc: 56.4200
Best Epoch 178,Val 58.6446, Test 56.6299
1.1092897585460118 0.05790553795439857
Epoch 230, Time(s): 22.0724, estimated train loss 1.0620, acc 66.8933
Time: 1.3780789375305176, Val loss: 2.240521192550659, Test loss: 2.458153486251831
Val acc: 58.2453, Test acc: 56.3342
Best Epoch 178,Val 58.6446, Test 56.6299
1.1072946684701102 0.05660143409456526
Epoch 231, Time(s): 22.1308, estimated train loss 1.0591, acc 66.9467
Time: 1.4062988758087158, Val loss: 2.2697086334228516, Test loss: 2.4980521202087402
Val acc: 58.4180, Test acc: 56.4391
Best Epoch 178,Val 58.6446, Test 56.6299
1.1073680196489606 0.05843082043741431
Epoch 232, Time(s): 22.1919, estimated train loss 1.0606, acc 66.9396

Time: 1.440415382385254, Val loss: 2.22027587890625, Test loss: 2.447692632675171
Val acc: 58.4134, Test acc: 56.4296
Best Epoch 178,Val 58.6446, Test 56.6299
1.1029803889138359 0.057861327699252535
Epoch 233, Time(s): 21.7532, estimated train loss 1.0564, acc 66.9966
Time: 1.3667855262756348, Val loss: 2.2797722816467285, Test loss: 2.5238940715789795
Val acc: 58.3363, Test acc: 56.2054
Best Epoch 178,Val 58.6446, Test 56.6299
1.1066633565085275 0.05720858643097537
Epoch 234, Time(s): 21.4399, estimated train loss 1.0588, acc 66.9351
Time: 1.5145978927612305, Val loss: 2.2401130199432373, Test loss: 2.4698996543884277
Val acc: 58.4349, Test acc: 56.3032
Best Epoch 178,Val 58.6446, Test 56.6299
1.1046853882925851 0.05657866549279009
Epoch 235, Time(s): 22.0721, estimated train loss 1.0565, acc 67.0191
Time: 1.4261009693145752, Val loss: 2.231790781021118, Test loss: 2.459954261779785
Val acc: 58.2931, Test acc: 56.2555
Best Epoch 178,Val 58.6446, Test 56.6299
1.1037224071366447 0.05794893636235169
Epoch 236, Time(s): 22.0053, estimated train loss 1.0570, acc 67.0871
Time: 1.3918585777282715, Val loss: 2.203495979309082, Test loss: 2.4271023273468018
Val acc: 58.2638, Test acc: 56.3270
Best Epoch 178,Val 58.6446, Test 56.6299
1.101892295905522 0.0574822443404368
Epoch 237, Time(s): 22.0220, estimated train loss 1.0548, acc 67.0258
Time: 1.3773114681243896, Val loss: 2.246283769607544, Test loss: 2.4714908599853516
Val acc: 58.2777, Test acc: 56.2984
Best Epoch 178,Val 58.6446, Test 56.6299
1.0996643662452699 0.05682572796940803
Epoch 238, Time(s): 21.5795, estimated train loss 1.0525, acc 67.0895
Time: 1.4065580368041992, Val loss: 2.2224621772766113, Test loss: 2.442911386489868
Val acc: 58.3625, Test acc: 56.5059
Best Epoch 178,Val 58.6446, Test 56.6299
1.0975577916417802 0.057002406141587664
Epoch 239, Time(s): 21.6051, estimated train loss 1.0504, acc 67.1500
Time: 1.481449842453003, Val loss: 2.2632274627685547, Test loss: 2.494640827178955
Val acc: 58.3872, Test acc: 56.5035
Best Epoch 178,Val 58.6446, Test 56.6299
1.0985126563480923 0.056015511655381746
Epoch 240, Time(s): 22.1063, estimated train loss 1.0504, acc 67.1141
Time: 1.3898088932037354, Val loss: 2.2086501121520996, Test loss: 2.4349794387817383
Val acc: 58.3979, Test acc: 56.4606
Best Epoch 178,Val 58.6446, Test 56.6299
1.0988516858645847 0.055566097050905226

Epoch 241, Time(s): 22.1099, estimated train loss 1.0501, acc 67.1391
Time: 1.3857924938201904, Val loss: 2.2557618618011475, Test loss: 2.4810292720794678
Val acc: 58.3702, Test acc: 56.4463
Best Epoch 178,Val 58.6446, Test 56.6299
1.0957371405192784 0.0563544866761991
Epoch 242, Time(s): 22.0612, estimated train loss 1.0482, acc 67.2083
Time: 1.3908085823059082, Val loss: 2.2416374683380127, Test loss: 2.4672129154205322
Val acc: 58.3717, Test acc: 56.5321
Best Epoch 178,Val 58.6446, Test 56.6299
1.0966001170022146 0.05610221879822867
Epoch 243, Time(s): 21.3976, estimated train loss 1.0488, acc 67.1079
Time: 1.4504094123840332, Val loss: 2.273726224899292, Test loss: 2.5069994926452637
Val acc: 58.4026, Test acc: 56.4963
Best Epoch 178,Val 58.6446, Test 56.6299
1.095010427066258 0.05578668234603745
Epoch 244, Time(s): 21.7952, estimated train loss 1.0474, acc 67.1749
Time: 1.4090144634246826, Val loss: 2.220216751098633, Test loss: 2.4383888244628906
Val acc: 58.5305, Test acc: 56.4892
Best Epoch 178,Val 58.6446, Test 56.6299
1.0970423953873771 0.05720528076801981
Epoch 245, Time(s): 22.0213, estimated train loss 1.0500, acc 67.2415
Time: 1.4310534000396729, Val loss: 2.269618034362793, Test loss: 2.491267204284668
Val acc: 58.2191, Test acc: 56.2841
Best Epoch 178,Val 58.6446, Test 56.6299
1.094740036555699 0.05653111961271082
Epoch 246, Time(s): 22.1924, estimated train loss 1.0474, acc 67.1900
Time: 1.4064478874206543, Val loss: 2.2514255046844482, Test loss: 2.485441207885742
Val acc: 58.4673, Test acc: 56.3676
Best Epoch 178,Val 58.6446, Test 56.6299
1.0939142261232648 0.05428139657846519
Epoch 247, Time(s): 22.0455, estimated train loss 1.0446, acc 67.2496
Time: 1.3481602668762207, Val loss: 2.2714977264404297, Test loss: 2.5034189224243164
Val acc: 58.5058, Test acc: 56.4081
Best Epoch 178,Val 58.6446, Test 56.6299
1.0933460014207022 0.05444140290575368
Epoch 248, Time(s): 21.3739, estimated train loss 1.0444, acc 67.2147
Time: 1.4664885997772217, Val loss: 2.270742654800415, Test loss: 2.500800848007202
Val acc: 58.2407, Test acc: 56.2507
Best Epoch 178,Val 58.6446, Test 56.6299
1.0930835502488272 0.05660921180886882
Epoch 249, Time(s): 21.9794, estimated train loss 1.0460, acc 67.2645
Time: 1.4010164737701416, Val loss: 2.275439739227295, Test loss: 2.494605302810669
Val acc: 58.2469, Test acc: 56.3294
Best Epoch 178,Val 58.6446, Test 56.6299

1.0917321137019567 0.05566199991319861
Epoch 250, Time(s): 22.0942, estimated train loss 1.0440, acc 67.3516
Time: 1.4281139373779297, Val loss: 2.286543846130371, Test loss: 2.517225742340088
Val acc: 58.3933, Test acc: 56.4224
Best Epoch 178,Val 58.6446, Test 56.6299
1.0905123353004456 0.057055934146046636
Epoch 251, Time(s): 21.9760, estimated train loss 1.0443, acc 67.3316
Time: 1.3898820877075195, Val loss: 2.2459235191345215, Test loss: 2.471965789794922
Val acc: 58.2900, Test acc: 56.3509
Best Epoch 178,Val 58.6446, Test 56.6299
1.0919492091451373 0.056962944407548226
Epoch 252, Time(s): 21.9331, estimated train loss 1.0453, acc 67.2988
Time: 1.3878231048583984, Val loss: 2.2626891136169434, Test loss: 2.489906072616577
Val acc: 58.2500, Test acc: 56.2150
Best Epoch 178,Val 58.6446, Test 56.6299
1.0897939205169678 0.05571590603462288
Epoch 253, Time(s): 21.2781, estimated train loss 1.0422, acc 67.2923
Time: 1.479407548904419, Val loss: 2.243189811706543, Test loss: 2.4719245433807373
Val acc: 58.4226, Test acc: 56.3366
Best Epoch 178,Val 58.6446, Test 56.6299
1.0872235298156738 0.05604660308786801
Epoch 254, Time(s): 21.9447, estimated train loss 1.0401, acc 67.3670
Time: 1.4164388179779053, Val loss: 2.265876054763794, Test loss: 2.4977352619171143
Val acc: 58.2253, Test acc: 56.2579
Best Epoch 178,Val 58.6446, Test 56.6299
1.089432614190238 0.056521929853728836
Epoch 255, Time(s): 21.6109, estimated train loss 1.0424, acc 67.3428
Time: 1.4074058532714844, Val loss: 2.269043445587158, Test loss: 2.50101375579834
Val acc: 58.4257, Test acc: 56.4296
Best Epoch 178,Val 58.6446, Test 56.6299
1.087921564919608 0.05576818431062358
Epoch 256, Time(s): 22.1471, estimated train loss 1.0407, acc 67.3660
Time: 1.4121155738830566, Val loss: 2.2084851264953613, Test loss: 2.426363945007324
Val acc: 58.4118, Test acc: 56.5416
Best Epoch 178,Val 58.6446, Test 56.6299
1.0889650872775487 0.0558902133256197
Epoch 257, Time(s): 22.0479, estimated train loss 1.0417, acc 67.3884
Time: 1.367475986480713, Val loss: 2.2566025257110596, Test loss: 2.4836978912353516
Val acc: 58.3039, Test acc: 56.3366
Best Epoch 178,Val 58.6446, Test 56.6299
1.0867633376802717 0.05594632072108133
Epoch 258, Time(s): 21.3828, estimated train loss 1.0398, acc 67.4226
Time: 1.4061880111694336, Val loss: 2.282140016555786, Test loss: 2.507096290588379
Val acc: 58.3301, Test acc: 56.3676

Best Epoch 178,Val 58.6446, Test 56.6299
1.0869879926953996 0.05573585916842733
Epoch 259, Time(s): 21.4969, estimated train loss 1.0397, acc 67.3247
Time: 1.4775547981262207, Val loss: 2.249351739883423, Test loss: 2.4714674949645996
Val acc: 58.1806, Test acc: 56.2484
Best Epoch 178,Val 58.6446, Test 56.6299
1.0859857610293797 0.05529400605176176
Epoch 260, Time(s): 21.8952, estimated train loss 1.0383, acc 67.3881
Time: 1.3966951370239258, Val loss: 2.2568917274475098, Test loss: 2.4905686378479004
Val acc: 58.3717, Test acc: 56.2651
Best Epoch 178,Val 58.6446, Test 56.6299
1.0834177340779985 0.05497887735920293
Epoch 261, Time(s): 22.0193, estimated train loss 1.0359, acc 67.4644
Time: 1.4245541095733643, Val loss: 2.2612438201904297, Test loss: 2.49660062789917
Val acc: 58.3748, Test acc: 56.2674
Best Epoch 178,Val 58.6446, Test 56.6299
1.0858946238245284 0.057034118420311385
Epoch 262, Time(s): 22.1026, estimated train loss 1.0399, acc 67.4234
Time: 1.3920531272888184, Val loss: 2.2570385932922363, Test loss: 2.488224506378174
Val acc: 58.3810, Test acc: 56.3080
Best Epoch 178,Val 58.6446, Test 56.6299
1.0827465636389597 0.05467715018561908
Epoch 263, Time(s): 21.6963, estimated train loss 1.0348, acc 67.4404
Time: 1.4071028232574463, Val loss: 2.2593531608581543, Test loss: 2.4850804805755615
Val acc: 58.4658, Test acc: 56.5059
Best Epoch 178,Val 58.6446, Test 56.6299
1.082331052848271 0.0549106451017516
Epoch 264, Time(s): 21.5495, estimated train loss 1.0345, acc 67.4982
Time: 1.4590604305267334, Val loss: 2.277618408203125, Test loss: 2.4992587566375732
Val acc: 58.3502, Test acc: 56.4296
Best Epoch 178,Val 58.6446, Test 56.6299
1.080143666267395 0.05585143305361271
Epoch 265, Time(s): 22.0051, estimated train loss 1.0338, acc 67.5260
Time: 1.4152204990386963, Val loss: 2.2948615550994873, Test loss: 2.5277483463287354
Val acc: 58.3964, Test acc: 56.4558
Best Epoch 178,Val 58.6446, Test 56.6299
1.0823192255837577 0.056362451506512506
Epoch 266, Time(s): 22.0280, estimated train loss 1.0364, acc 67.5427
Time: 1.394826889038086, Val loss: 2.267716646194458, Test loss: 2.500612258911133
Val acc: 58.2777, Test acc: 56.3223
Best Epoch 178,Val 58.6446, Test 56.6299
1.083087248461587 0.05557430721819401
Epoch 267, Time(s): 21.9927, estimated train loss 1.0360, acc 67.4977
Time: 1.411717176437378, Val loss: 2.241058349609375, Test loss: 2.462010383605957

Val acc: 58.3563, Test acc: 56.4487
Best Epoch 178,Val 58.6446, Test 56.6299
1.082084080151149 0.05462268920881408
Epoch 268, Time(s): 21.5476, estimated train loss 1.0341, acc 67.5654
Time: 1.4608664512634277, Val loss: 2.2747530937194824, Test loss: 2.503523349761963
Val acc: 58.4950, Test acc: 56.5774
Best Epoch 178,Val 58.6446, Test 56.6299
1.0809205276625498 0.05498376025685242
Epoch 269, Time(s): 21.9346, estimated train loss 1.0336, acc 67.5419
Time: 1.3987305164337158, Val loss: 2.29765248298645, Test loss: 2.535245656967163
Val acc: 58.4581, Test acc: 56.4963
Best Epoch 178,Val 58.6446, Test 56.6299
1.0795050859451294 0.05535262471863202
Epoch 270, Time(s): 22.1822, estimated train loss 1.0325, acc 67.6059
Time: 1.4330320358276367, Val loss: 2.2790210247039795, Test loss: 2.5103957653045654
Val acc: 58.4442, Test acc: 56.4534
Best Epoch 178,Val 58.6446, Test 56.6299
1.0753103034836906 0.052872468744005474
Epoch 271, Time(s): 22.2441, estimated train loss 1.0265, acc 67.6438
Time: 1.3637030124664307, Val loss: 2.2647716999053955, Test loss: 2.486941337585449
Val acc: 58.2484, Test acc: 56.2627
Best Epoch 178,Val 58.6446, Test 56.6299
1.0765188097953797 0.054517731336610656
Epoch 272, Time(s): 21.4576, estimated train loss 1.0292, acc 67.6543
Time: 1.4785146713256836, Val loss: 2.275327444076538, Test loss: 2.507840871810913
Val acc: 58.1251, Test acc: 56.2794
Best Epoch 178,Val 58.6446, Test 56.6299
1.07591598374503 0.05460038860993726
Epoch 273, Time(s): 21.8025, estimated train loss 1.0285, acc 67.6824
Time: 1.3939204216003418, Val loss: 2.2650697231292725, Test loss: 2.4966342449188232
Val acc: 58.3687, Test acc: 56.4510
Best Epoch 178,Val 58.6446, Test 56.6299
1.0749131917953492 0.055758186749049594
Epoch 274, Time(s): 22.0686, estimated train loss 1.0289, acc 67.6931
Time: 1.400068998336792, Val loss: 2.250840663909912, Test loss: 2.481520652770996
Val acc: 58.4596, Test acc: 56.4415
Best Epoch 178,Val 58.6446, Test 56.6299
1.0746181300708226 0.05498044357768127
Epoch 275, Time(s): 22.0171, estimated train loss 1.0278, acc 67.6588
Time: 1.400205135345459, Val loss: 2.272144317626953, Test loss: 2.498582601547241
Val acc: 58.1205, Test acc: 56.1411
Best Epoch 178,Val 58.6446, Test 56.6299
1.0758074181420463 0.0550939212420157
Epoch 276, Time(s): 21.9365, estimated train loss 1.0290, acc 67.7093

Time: 1.3925034999847412, Val loss: 2.2651190757751465, Test loss: 2.4946370124816895
Val acc: 58.2161, Test acc: 56.3151
Best Epoch 178,Val 58.6446, Test 56.6299
1.0726133057049343 0.05417136752179691
Epoch 277, Time(s): 21.4478, estimated train loss 1.0255, acc 67.7328
Time: 1.4823799133300781, Val loss: 2.245330572128296, Test loss: 2.4697649478912354
Val acc: 58.2931, Test acc: 56.3199
Best Epoch 178,Val 58.6446, Test 56.6299
1.0766419342585973 0.055229939946106504
Best Epoch 178, Val 58.6446, Test 56.6299
100%|███████████| 74/74 [00:12<00:00, 5.72it/s]
Stage 2 history model:
      Train acc 74.3814 Val acc 58.6446 Test acc 56.6299
Stage: 3, threshold 0.75, confident nodes: 74200 / 106818
            val confident nodes: 44972 / 64879, val confident level: 0.7020590305328369
            test confident nodes: 29228 / 41939, test confident_level: 0.6723689436912537
Current num label hops = 2
Involved label keys ['P', 'PP', 'PAP', 'PFP', 'PPP']
PPP tensor(310161) tensor(-7.4506e-08)
PAP tensor(990341) tensor(-1.7881e-07)
PFP tensor(0) tensor(9.3199e-06)
PP tensor(0.4279) tensor(0.3970) tensor(0.3958) tensor(3.9817) tensor(3.7104) tensor(3.5120)
tensor(7.8056) tensor(8.1100) tensor(-7.3142) tensor(-13.3754)
PAP tensor(0.4229) tensor(0.4015) tensor(0.3978) tensor(3.4552) tensor(3.4852)
tensor(3.4646) tensor(5.3184) tensor(6.3004) tensor(0.8607) tensor(0.2713)
PFP tensor(0.2898) tensor(0.2686) tensor(0.2844) tensor(3.1788) tensor(3.2280)
tensor(3.1469) tensor(7.9046) tensor(1.9136) tensor(1.5231) tensor(-1.0150)
PPP tensor(0.4019) tensor(0.3957) tensor(0.3967) tensor(2.9127) tensor(2.6685)
tensor(2.5865) tensor(1.5636) tensor(1.3142) tensor(-9.1517) tensor(-12.6111)
{'PPP', 'PP', 'PFP', 'PAP'}
tensor(0.6363)
tensor(0.5956)
tensor(0.5903)
label_emb tensor(0.4659) tensor(0.4420) tensor(0.4369) tensor(2.0624) tensor(2.2026)
tensor(2.2150) tensor(5.4072) tensor(6.6345) tensor(6.3652) tensor(6.8895)
{'label_emb'}
tensor(0.4659)
tensor(0.4420)
tensor(0.4369)
3.50260303725659 1.8774565055336752
Epoch 0, Time(s): 23.4706, estimated train loss 5.1128, acc 35.2743
Time: 1.4750070571899414, Val loss: 2.1835837364196777, Test loss: 2.2169649600982666
Val acc: 49.1407, Test acc: 48.8018
Best Epoch 0,Val 49.1407, Test 48.8018

2.4141834017256616 0.8948941046083477
Epoch 1, Time(s): 22.3111, estimated train loss 3.1033, acc 46.2826
Time: 1.3670039176940918, Val loss: 2.0317862033843994, Test loss: 2.095414876937866
Val acc: 52.9771, Test acc: 51.8873
Best Epoch 1,Val 52.9771, Test 51.8873
2.1672847875407046 0.6833672548683596
Epoch 2, Time(s): 21.4103, estimated train loss 2.6594, acc 49.1597
Time: 1.4287736415863037, Val loss: 1.9232120513916016, Test loss: 2.0009405612945557
Val acc: 54.6171, Test acc: 53.2535
Best Epoch 2,Val 54.6171, Test 53.2535
2.0337992738670025 0.5872651955611269
Epoch 3, Time(s): 22.2099, estimated train loss 2.4386, acc 50.9309
Time: 1.3866755962371826, Val loss: 1.8824104070663452, Test loss: 1.9625707864761353
Val acc: 55.4062, Test acc: 54.1215
Best Epoch 3,Val 55.4062, Test 54.1215
1.9439305956934538 0.5168596086367755
Epoch 4, Time(s): 21.9586, estimated train loss 2.2840, acc 52.1404
Time: 1.381274938583374, Val loss: 1.8348416090011597, Test loss: 1.9193439483642578
Val acc: 55.9935, Test acc: 54.6007
Best Epoch 4,Val 55.9935, Test 54.6007
1.881556705689766 0.46853877918820985
Epoch 5, Time(s): 22.1537, estimated train loss 2.1773, acc 52.9951
Time: 1.4055085182189941, Val loss: 1.8212056159973145, Test loss: 1.9177874326705933
Val acc: 56.2802, Test acc: 54.6007
Best Epoch 5,Val 56.2802, Test 54.6007
1.834428525306809 0.43090214947579614
Epoch 6, Time(s): 22.2786, estimated train loss 2.0954, acc 53.6975
Time: 1.3716840744018555, Val loss: 1.7999261617660522, Test loss: 1.8943334817886353
Val acc: 56.6763, Test acc: 54.9465
Best Epoch 6,Val 56.6763, Test 54.9465
1.797950247643699 0.4033811461757606
Epoch 7, Time(s): 21.5360, estimated train loss 2.0337, acc 54.2377
Time: 1.42706298828125, Val loss: 1.7787752151489258, Test loss: 1.8711419105529785
Val acc: 56.9876, Test acc: 55.2731
Best Epoch 7,Val 56.9876, Test 55.2731
1.7674517833011252 0.37753240869078836
Epoch 8, Time(s): 22.2763, estimated train loss 1.9792, acc 54.7088
Time: 1.4084529876708984, Val loss: 1.801754355430603, Test loss: 1.9094728231430054
Val acc: 57.0894, Test acc: 55.3399
Best Epoch 8,Val 57.0894, Test 55.3399
1.743010485675973 0.35416798482478506
Epoch 9, Time(s): 22.4062, estimated train loss 1.9327, acc 55.1186
Time: 1.388737678527832, Val loss: 1.7856274843215942, Test loss: 1.8939917087554932
Val acc: 57.2666, Test acc: 55.5688

Best Epoch 9,Val 57.2666, Test 55.5688

1.7229116550633605 0.3370783698390907

Epoch 10, Time(s): 22.4515, estimated train loss 1.8967, acc 55.4732

Time: 1.401019811630249, Val loss: 1.7842704057693481, Test loss: 1.8852297067642212

Val acc: 57.4824, Test acc: 55.8525

Best Epoch 10,Val 57.4824, Test 55.8525

1.7036246145275278 0.32470764408648856

Epoch 11, Time(s): 22.1796, estimated train loss 1.8664, acc 55.7357

Time: 1.4164137840270996, Val loss: 1.7920911312103271, Test loss: 1.9194937944412231

Val acc: 57.6350, Test acc: 55.6594

Best Epoch 11,Val 57.6350, Test 55.6594

1.687773133667422 0.3094685988526949

Epoch 12, Time(s): 21.9756, estimated train loss 1.8362, acc 55.9575

Time: 1.4482648372650146, Val loss: 1.7885890007019043, Test loss: 1.9003617763519287

Val acc: 57.7013, Test acc: 56.0314

Best Epoch 12,Val 57.7013, Test 56.0314

1.6762061673150936 0.2974205948937107

Epoch 13, Time(s): 22.5235, estimated train loss 1.8131, acc 56.1533

Time: 1.3921635150909424, Val loss: 1.7786904573440552, Test loss: 1.9007796049118042

Val acc: 57.9325, Test acc: 56.0195

Best Epoch 13,Val 57.9325, Test 56.0195

1.6626956865821085 0.2841318959081677

Epoch 14, Time(s): 22.6166, estimated train loss 1.7870, acc 56.4492

Time: 1.3896517753601074, Val loss: 1.8016000986099243, Test loss: 1.9233996868133545

Val acc: 57.8878, Test acc: 56.0743

Best Epoch 13,Val 57.9325, Test 56.0195

1.6502014281044544 0.2764962292473081

Epoch 15, Time(s): 22.5446, estimated train loss 1.7678, acc 56.6019

Time: 1.3675498962402344, Val loss: 1.8318777084350586, Test loss: 1.9569350481033325

Val acc: 57.7028, Test acc: 56.0719

Best Epoch 13,Val 57.9325, Test 56.0195

1.6399267827960806 0.2662768410125249

Epoch 16, Time(s): 21.9252, estimated train loss 1.7478, acc 56.7599

Time: 1.4092726707458496, Val loss: 1.8040047883987427, Test loss: 1.943845510482788

Val acc: 57.9725, Test acc: 56.0266

Best Epoch 16,Val 57.9725, Test 56.0266

1.6297942467138802 0.2553697646083966

Epoch 17, Time(s): 22.0374, estimated train loss 1.7272, acc 56.9451

Time: 1.4599199295043945, Val loss: 1.8175559043884277, Test loss: 1.9576592445373535

Val acc: 58.0342, Test acc: 56.1339

Best Epoch 17,Val 58.0342, Test 56.1339

1.6183204550138661 0.24821669870698956

Epoch 18, Time(s): 22.3483, estimated train loss 1.7094, acc 57.1443

Time: 1.4498038291931152, Val loss: 1.8186300992965698, Test loss: 1.9594281911849976

Val acc: 58.1405, Test acc: 56.2817
Best Epoch 18,Val 58.1405, Test 56.2817
1.6086894055487404 0.2425342552678686
Epoch 19, Time(s): 22.3870, estimated train loss 1.6948, acc 57.2865
Time: 1.3847126960754395, Val loss: 1.802717685699463, Test loss: 1.9442209005355835
Val acc: 57.9879, Test acc: 56.0075
Best Epoch 18,Val 58.1405, Test 56.2817
1.6022936743749698 0.23606690554551676
Epoch 20, Time(s): 22.3216, estimated train loss 1.6823, acc 57.4193
Time: 1.3481898307800293, Val loss: 1.8217558860778809, Test loss: 1.9600008726119995
Val acc: 58.0141, Test acc: 56.2484
Best Epoch 18,Val 58.1405, Test 56.2817
1.5922970469568816 0.22731721946890926
Epoch 21, Time(s): 21.6171, estimated train loss 1.6641, acc 57.5729
Time: 1.460507869720459, Val loss: 1.8299860954284668, Test loss: 1.980023980140686
Val acc: 58.2207, Test acc: 56.3056
Best Epoch 21,Val 58.2207, Test 56.3056
1.585717179405857 0.22086104079031607
Epoch 22, Time(s): 22.2208, estimated train loss 1.6514, acc 57.7377
Time: 1.451357126235962, Val loss: 1.8785834312438965, Test loss: 2.031294822692871
Val acc: 58.0419, Test acc: 56.2412
Best Epoch 21,Val 58.2207, Test 56.3056
1.5761794238023354 0.21539829419532291
Epoch 23, Time(s): 22.4029, estimated train loss 1.6371, acc 57.8753
Time: 1.4236562252044678, Val loss: 1.859738826751709, Test loss: 2.0063233375549316
Val acc: 58.0111, Test acc: 56.2865
Best Epoch 21,Val 58.2207, Test 56.3056
1.5695935454167111 0.20939250878045257
Epoch 24, Time(s): 22.3490, estimated train loss 1.6249, acc 57.9545
Time: 1.4070067405700684, Val loss: 1.828971266746521, Test loss: 1.9742337465286255
Val acc: 58.2484, Test acc: 56.3771
Best Epoch 24,Val 58.2484, Test 56.3771
1.562251650111776 0.2071938630141003
Epoch 25, Time(s): 22.1754, estimated train loss 1.6160, acc 58.1008
Time: 1.3487768173217773, Val loss: 1.8400628566741943, Test loss: 1.9980645179748535
Val acc: 58.2777, Test acc: 56.3437
Best Epoch 25,Val 58.2777, Test 56.3437
1.5564668547939247 0.19783836603164673
Epoch 26, Time(s): 21.8637, estimated train loss 1.6010, acc 58.1614
Time: 1.460235595703125, Val loss: 1.8768818378448486, Test loss: 2.0441741943359375
Val acc: 58.4072, Test acc: 56.5297
Best Epoch 26,Val 58.4072, Test 56.5297
1.5493520649386123 0.19512675618621664
Epoch 27, Time(s): 22.4964, estimated train loss 1.5917, acc 58.3404

Time: 1.429633617401123, Val loss: 1.930680274963379, Test loss: 2.10139536857605
Val acc: 58.1637, Test acc: 56.4987
Best Epoch 26,Val 58.4072, Test 56.5297
1.5436492083777844 0.19181853029089915
Epoch 28, Time(s): 22.4600, estimated train loss 1.5832, acc 58.4315
Time: 1.3936285972595215, Val loss: 1.9071532487869263, Test loss: 2.0748889446258545
Val acc: 58.1297, Test acc: 56.4033
Best Epoch 26,Val 58.4072, Test 56.5297
1.537901095941033 0.18599753837350388
Epoch 29, Time(s): 22.4168, estimated train loss 1.5719, acc 58.5457
Time: 1.3835186958312988, Val loss: 1.9002776145935059, Test loss: 2.0757787227630615
Val acc: 58.2531, Test acc: 56.2722
Best Epoch 26,Val 58.4072, Test 56.5297
1.530871033668518 0.18248328209762843
Epoch 30, Time(s): 21.9616, estimated train loss 1.5619, acc 58.6808
Time: 1.4065320491790771, Val loss: 1.8723191022872925, Test loss: 2.0409727096557617
Val acc: 58.3933, Test acc: 56.3342
Best Epoch 26,Val 58.4072, Test 56.5297
1.5260816493504483 0.17884303020759368
Epoch 31, Time(s): 22.0475, estimated train loss 1.5538, acc 58.7738
Time: 1.5019352436065674, Val loss: 1.9144723415374756, Test loss: 2.0852725505828857
Val acc: 58.2500, Test acc: 56.2364
Best Epoch 26,Val 58.4072, Test 56.5297
1.5180880385385433 0.17415042095620867
Epoch 32, Time(s): 22.3586, estimated train loss 1.5417, acc 58.8455
Time: 1.409254550933838, Val loss: 1.91159188747406, Test loss: 2.0998637676239014
Val acc: 58.3209, Test acc: 56.2937
Best Epoch 26,Val 58.4072, Test 56.5297
1.5151796424892587 0.17138543934889242
Epoch 33, Time(s): 22.4034, estimated train loss 1.5361, acc 58.9090
Time: 1.418102502822876, Val loss: 1.88240385055542, Test loss: 2.0564985275268555
Val acc: 58.4396, Test acc: 56.5512
Best Epoch 33,Val 58.4396, Test 56.5512
1.5103902212330993 0.16783089725904063
Epoch 34, Time(s): 22.3422, estimated train loss 1.5281, acc 59.0105
Time: 1.3880419731140137, Val loss: 1.925855040550232, Test loss: 2.095747470855713
Val acc: 58.3070, Test acc: 56.5607
Best Epoch 33,Val 58.4396, Test 56.5512
1.5036622017202244 0.16441022279396864
Epoch 35, Time(s): 21.7555, estimated train loss 1.5185, acc 59.0861
Time: 1.4193899631500244, Val loss: 1.953635334968567, Test loss: 2.1374478340148926
Val acc: 58.3748, Test acc: 56.4463
Best Epoch 33,Val 58.4396, Test 56.5512
1.4980864508051268 0.16279159024567671

Epoch 36, Time(s): 22.1153, estimated train loss 1.5118, acc 59.1800
Time: 1.369554042816162, Val loss: 1.9605966806411743, Test loss: 2.1542160511016846
Val acc: 58.1991, Test acc: 56.1935
Best Epoch 33,Val 58.4396, Test 56.5512
1.4930138033880314 0.16121533785907316
Epoch 37, Time(s): 22.0442, estimated train loss 1.5056, acc 59.2386
Time: 1.3759982585906982, Val loss: 1.9680675268173218, Test loss: 2.161350965499878
Val acc: 58.4319, Test acc: 56.5297
Best Epoch 33,Val 58.4396, Test 56.5512
1.4881805819524845 0.15716511766675492
Epoch 38, Time(s): 22.0979, estimated train loss 1.4970, acc 59.4314
Time: 1.3982536792755127, Val loss: 1.9371302127838135, Test loss: 2.113093852996826
Val acc: 58.2484, Test acc: 56.3914
Best Epoch 33,Val 58.4396, Test 56.5512
1.483188832309884 0.15410118119817384
Epoch 39, Time(s): 22.4012, estimated train loss 1.4893, acc 59.4060
Time: 1.3640482425689697, Val loss: 1.944858431816101, Test loss: 2.1328914165496826
Val acc: 58.3378, Test acc: 56.3700
Best Epoch 33,Val 58.4396, Test 56.5512
1.47803747989762 0.149212450313736
Epoch 40, Time(s): 22.0314, estimated train loss 1.4795, acc 59.5339
Time: 1.3714900016784668, Val loss: 2.0037572383880615, Test loss: 2.210167169570923
Val acc: 58.4426, Test acc: 56.4868
Best Epoch 40,Val 58.4426, Test 56.4868
1.4739090086708606 0.146539590308364
Epoch 41, Time(s): 21.7464, estimated train loss 1.4730, acc 59.6339
Time: 1.475830078125, Val loss: 1.9834986925125122, Test loss: 2.1793460845947266
Val acc: 58.3008, Test acc: 56.3557
Best Epoch 40,Val 58.4426, Test 56.4868
1.471016675653592 0.14473301854351878
Epoch 42, Time(s): 22.3909, estimated train loss 1.4685, acc 59.7124
Time: 1.3740668296813965, Val loss: 1.9867230653762817, Test loss: 2.1900203227996826
Val acc: 58.2823, Test acc: 56.3151
Best Epoch 40,Val 58.4426, Test 56.4868
1.4648933897555714 0.14487288755850053
Epoch 43, Time(s): 22.1610, estimated train loss 1.4632, acc 59.8017
Time: 1.4009432792663574, Val loss: 2.0179455280303955, Test loss: 2.225640296936035
Val acc: 58.4164, Test acc: 56.3485
Best Epoch 40,Val 58.4426, Test 56.4868
1.4614496298239266 0.14210040468565174
Epoch 44, Time(s): 22.4119, estimated train loss 1.4572, acc 59.8633
Time: 1.376990556716919, Val loss: 2.017178773880005, Test loss: 2.2221288681030273
Val acc: 58.3502, Test acc: 56.3270
Best Epoch 40,Val 58.4426, Test 56.4868

1.4566971248304341 0.1405201225843228
Epoch 45, Time(s): 22.2756, estimated train loss 1.4513, acc 59.9492
Time: 1.388852834701538, Val loss: 2.025560140609741, Test loss: 2.232975721359253
Val acc: 58.2808, Test acc: 56.2388
Best Epoch 40,Val 58.4426, Test 56.4868
1.4518388274689795 0.13751540668833423
Epoch 46, Time(s): 21.6343, estimated train loss 1.4438, acc 60.0484
Time: 1.3841497898101807, Val loss: 2.049396514892578, Test loss: 2.2574427127838135
Val acc: 58.4164, Test acc: 56.4439
Best Epoch 40,Val 58.4426, Test 56.4868
1.4476775619345652 0.13853699997277327
Epoch 47, Time(s): 21.7857, estimated train loss 1.4411, acc 60.0927
Time: 1.4430904388427734, Val loss: 1.9876760244369507, Test loss: 2.183541774749756
Val acc: 58.3949, Test acc: 56.5345
Best Epoch 40,Val 58.4426, Test 56.4868
1.44574567465715 0.13284497183393423
Epoch 48, Time(s): 22.4055, estimated train loss 1.4334, acc 60.1457
Time: 1.3970303535461426, Val loss: 2.0342061519622803, Test loss: 2.2406160831451416
Val acc: 58.3995, Test acc: 56.3867
Best Epoch 40,Val 58.4426, Test 56.4868
1.4403025633852247 0.13368923951622466
Epoch 49, Time(s): 22.3486, estimated train loss 1.4294, acc 60.2601
Time: 1.3969342708587646, Val loss: 2.041879177093506, Test loss: 2.254575729370117
Val acc: 58.4503, Test acc: 56.5416
Best Epoch 49,Val 58.4503, Test 56.5416
1.437619345288881 0.1313536258440622
Epoch 50, Time(s): 22.3727, estimated train loss 1.4245, acc 60.3349
Time: 1.3993289470672607, Val loss: 2.032747745513916, Test loss: 2.242351531982422
Val acc: 58.4241, Test acc: 56.4153
Best Epoch 49,Val 58.4503, Test 56.5416
1.4315087560196997 0.12841602750647235
Epoch 51, Time(s): 21.7963, estimated train loss 1.4160, acc 60.3945
Time: 1.4404957294464111, Val loss: 2.0300118923187256, Test loss: 2.2366108894348145
Val acc: 58.3085, Test acc: 56.5035
Best Epoch 49,Val 58.4503, Test 56.5416
1.4275181024846897 0.12638394587056737
Epoch 52, Time(s): 22.0725, estimated train loss 1.4103, acc 60.4883
Time: 1.3994288444519043, Val loss: 1.9977548122406006, Test loss: 2.2084410190582275
Val acc: 58.4950, Test acc: 56.3867
Best Epoch 52,Val 58.4950, Test 56.3867
1.4239045683766756 0.12645795364195192
Epoch 53, Time(s): 22.3819, estimated train loss 1.4071, acc 60.4825
Time: 1.4089927673339844, Val loss: 2.027289390563965, Test loss: 2.2385830879211426
Val acc: 58.4473, Test acc: 56.4033

Best Epoch 52,Val 58.4950, Test 56.3867
1.4198524784034408 0.12474383182928596
Epoch 54, Time(s): 22.4440, estimated train loss 1.4017, acc 60.6812
Time: 1.3646488189697266, Val loss: 2.040325880050659, Test loss: 2.253607988357544
Val acc: 58.6137, Test acc: 56.5846
Best Epoch 54,Val 58.6137, Test 56.5846
1.418256380188633 0.12288896466644716
Epoch 55, Time(s): 22.5258, estimated train loss 1.3983, acc 60.7272
Time: 1.414205551147461, Val loss: 2.050935745239258, Test loss: 2.2684407234191895
Val acc: 58.4935, Test acc: 56.5035
Best Epoch 54,Val 58.6137, Test 56.5846
1.4134642775629607 0.12251370442165456
Epoch 56, Time(s): 22.0939, estimated train loss 1.3936, acc 60.7191
Time: 1.49741792678833, Val loss: 2.064807176589966, Test loss: 2.2855589389801025
Val acc: 58.4735, Test acc: 56.3867
Best Epoch 54,Val 58.6137, Test 56.5846
1.4102422435518722 0.12010385484342843
Epoch 57, Time(s): 22.4267, estimated train loss 1.3882, acc 60.8633
Time: 1.4275398254394531, Val loss: 2.0556561946868896, Test loss: 2.2805261611938477
Val acc: 58.4673, Test acc: 56.4105
Best Epoch 54,Val 58.6137, Test 56.5846
1.4058311220625757 0.1189155314170139
Epoch 58, Time(s): 22.7523, estimated train loss 1.3830, acc 60.9779
Time: 1.4415984153747559, Val loss: 2.0609543323516846, Test loss: 2.2869632244110107
Val acc: 58.3378, Test acc: 56.3080
Best Epoch 54,Val 58.6137, Test 56.5846
1.4042516913212522 0.11823724871370155
Epoch 59, Time(s): 22.3634, estimated train loss 1.3808, acc 60.8929
Time: 1.3542060852050781, Val loss: 2.0811798572540283, Test loss: 2.2995378971099854
Val acc: 58.4457, Test acc: 56.5464
Best Epoch 54,Val 58.6137, Test 56.5846
1.400320293198169 0.11638246560600442
Epoch 60, Time(s): 21.8315, estimated train loss 1.3754, acc 61.0150
Time: 1.462080955505371, Val loss: 2.088109254837036, Test loss: 2.3159031867980957
Val acc: 58.6245, Test acc: 56.5154
Best Epoch 60,Val 58.6245, Test 56.5154
1.3959837832920987 0.11593471100212822
Epoch 61, Time(s): 22.3702, estimated train loss 1.3710, acc 61.0703
Time: 1.3751697540283203, Val loss: 2.1078083515167236, Test loss: 2.339045763015747
Val acc: 58.4889, Test acc: 56.4630
Best Epoch 60,Val 58.6245, Test 56.5154
1.3940853887880351 0.11467984759471786
Epoch 62, Time(s): 22.6650, estimated train loss 1.3680, acc 61.0419
Time: 1.3772265911102295, Val loss: 2.115595579147339, Test loss: 2.3388819694519043

Val acc: 58.3810, Test acc: 56.4820

Best Epoch 60,Val 58.6245, Test 56.5154

1.387673492163 0.11379255291441796

Epoch 63, Time(s): 22.3926, estimated train loss 1.3613, acc 61.2096

Time: 1.3419880867004395, Val loss: 2.085578441619873, Test loss: 2.314255952835083

Val acc: 58.3872, Test acc: 56.4081

Best Epoch 60,Val 58.6245, Test 56.5154

1.3859486865325712 0.11219158758160094

Epoch 64, Time(s): 21.8618, estimated train loss 1.3581, acc 61.2759

Time: 1.4926788806915283, Val loss: 2.1029889583587646, Test loss: 2.3386952877044678

Val acc: 58.5089, Test acc: 56.4749

Best Epoch 60,Val 58.6245, Test 56.5154

1.3828303192702818 0.11105823254501315

Epoch 65, Time(s): 22.3724, estimated train loss 1.3541, acc 61.3437

Time: 1.396477222442627, Val loss: 2.1144826412200928, Test loss: 2.3409440517425537

Val acc: 58.3918, Test acc: 56.4272

Best Epoch 60,Val 58.6245, Test 56.5154

1.3806443063306137 0.10968905236099807

Epoch 66, Time(s): 22.4131, estimated train loss 1.3507, acc 61.3507

Time: 1.390711784362793, Val loss: 2.1415112018585205, Test loss: 2.376147985458374

Val acc: 58.5243, Test acc: 56.5726

Best Epoch 60,Val 58.6245, Test 56.5154

1.375654485863699 0.10734046512926129

Epoch 67, Time(s): 22.4608, estimated train loss 1.3438, acc 61.4819

Time: 1.381281852722168, Val loss: 2.0810024738311768, Test loss: 2.3087809085845947

Val acc: 58.6646, Test acc: 56.6323

Best Epoch 67,Val 58.6646, Test 56.6323

1.3742871099794414 0.1102890230610337

Epoch 68, Time(s): 21.6471, estimated train loss 1.3457, acc 61.5454

Time: 1.4127087593078613, Val loss: 2.128757953643799, Test loss: 2.364309310913086

Val acc: 58.6261, Test acc: 56.6561

Best Epoch 67,Val 58.6646, Test 56.6323

1.3719901786723607 0.10898036331358091

Epoch 69, Time(s): 22.2641, estimated train loss 1.3422, acc 61.4939

Time: 1.3899741172790527, Val loss: 2.1366820335388184, Test loss: 2.3633952140808105

Val acc: 58.4380, Test acc: 56.5059

Best Epoch 67,Val 58.6646, Test 56.6323

1.36777568535066 0.10668907335526506

Epoch 70, Time(s): 22.3377, estimated train loss 1.3361, acc 61.5748

Time: 1.3950612545013428, Val loss: 2.1613283157348633, Test loss: 2.395749807357788

Val acc: 58.4596, Test acc: 56.5083

Best Epoch 67,Val 58.6646, Test 56.6323

1.3654461142042993 0.10602056843713975

Epoch 71, Time(s): 22.5213, estimated train loss 1.3333, acc 61.6417

Time: 1.3994641304016113, Val loss: 2.135488271713257, Test loss: 2.3743536472320557
Val acc: 58.4303, Test acc: 56.3938
Best Epoch 67,Val 58.6646, Test 56.6323
1.362758671733695 0.10409681918755384
Epoch 72, Time(s): 22.2060, estimated train loss 1.3288, acc 61.7085
Time: 1.3746705055236816, Val loss: 2.1538748741149902, Test loss: 2.398984670639038
Val acc: 58.4103, Test acc: 56.4916
Best Epoch 67,Val 58.6646, Test 56.6323
1.358215889460604 0.10371014486316224
Epoch 73, Time(s): 21.9219, estimated train loss 1.3244, acc 61.8053
Time: 1.4962866306304932, Val loss: 2.1858088970184326, Test loss: 2.43013334274292
Val acc: 58.5490, Test acc: 56.5822
Best Epoch 67,Val 58.6646, Test 56.6323
1.3577606442948462 0.102294578098915
Epoch 74, Time(s): 22.4769, estimated train loss 1.3224, acc 61.8164
Time: 1.3775527477264404, Val loss: 2.1757619380950928, Test loss: 2.4133141040802
Val acc: 58.5659, Test acc: 56.5750
Best Epoch 67,Val 58.6646, Test 56.6323
1.355080911810969 0.10273928069312807
Epoch 75, Time(s): 22.1501, estimated train loss 1.3205, acc 61.9010
Time: 1.3601269721984863, Val loss: 2.1387367248535156, Test loss: 2.3688013553619385
Val acc: 58.5752, Test acc: 56.5106
Best Epoch 67,Val 58.6646, Test 56.6323
1.3516218410411351 0.10046018093404635
Epoch 76, Time(s): 22.2694, estimated train loss 1.3150, acc 61.9033
Time: 1.3776726722717285, Val loss: 2.152419090270996, Test loss: 2.389902114868164
Val acc: 58.5166, Test acc: 56.5083
Best Epoch 67,Val 58.6646, Test 56.6323
1.347663896184572 0.10009456153067064
Epoch 77, Time(s): 22.3162, estimated train loss 1.3111, acc 62.0294
Time: 1.454291820526123, Val loss: 2.183610200881958, Test loss: 2.43328857421875
Val acc: 58.5921, Test acc: 56.4749
Best Epoch 67,Val 58.6646, Test 56.6323
1.345963390780167 0.09953267410607405
Epoch 78, Time(s): 21.9868, estimated train loss 1.3090, acc 61.9962
Time: 1.3971912860870361, Val loss: 2.1656696796417236, Test loss: 2.399644374847412
Val acc: 58.4164, Test acc: 56.5607
Best Epoch 67,Val 58.6646, Test 56.6323
1.34506481303582 0.09865942418995038
Epoch 79, Time(s): 21.7740, estimated train loss 1.3073, acc 62.0637
Time: 1.4301562309265137, Val loss: 2.1917972564697266, Test loss: 2.4437906742095947
Val acc: 58.4904, Test acc: 56.5154
Best Epoch 67,Val 58.6646, Test 56.6323
1.3413896560668945 0.09958764543415795

Epoch 80, Time(s): 22.0964, estimated train loss 1.3049, acc 62.0805
Time: 1.376405954360962, Val loss: 2.190521478652954, Test loss: 2.4325177669525146
Val acc: 58.6738, Test acc: 56.6489
Best Epoch 80,Val 58.6738, Test 56.6489
1.338371021646849 0.09746586311031395
Epoch 81, Time(s): 22.0703, estimated train loss 1.3000, acc 62.1452
Time: 1.3667387962341309, Val loss: 2.1870827674865723, Test loss: 2.4363019466400146
Val acc: 58.6184, Test acc: 56.5941
Best Epoch 80,Val 58.6738, Test 56.6489
1.3363534463963038 0.09818471338547452
Epoch 82, Time(s): 22.1890, estimated train loss 1.2990, acc 62.2286
Time: 1.44350004196167, Val loss: 2.1856987476348877, Test loss: 2.4302573204040527
Val acc: 58.5659, Test acc: 56.5083
Best Epoch 80,Val 58.6738, Test 56.6489
1.3343410156142543 0.09704437369192151
Epoch 83, Time(s): 22.1409, estimated train loss 1.2960, acc 62.2800
Time: 1.3313746452331543, Val loss: 2.2112138271331787, Test loss: 2.4611220359802246
Val acc: 58.5582, Test acc: 56.5083
Best Epoch 80,Val 58.6738, Test 56.6489
1.3298908606381483 0.09668811662516123
Epoch 84, Time(s): 21.5264, estimated train loss 1.2916, acc 62.3142
Time: 1.4459483623504639, Val loss: 2.204674005508423, Test loss: 2.4568493366241455
Val acc: 58.6307, Test acc: 56.6036
Best Epoch 80,Val 58.6738, Test 56.6489
1.3275959307039287 0.0949041614650001
Epoch 85, Time(s): 22.0916, estimated train loss 1.2877, acc 62.3950
Time: 1.3662681579589844, Val loss: 2.180521249771118, Test loss: 2.423596143722534
Val acc: 58.6384, Test acc: 56.7396
Best Epoch 80,Val 58.6738, Test 56.6489
1.3278353835495424 0.09654569457954085
Epoch 86, Time(s): 22.3764, estimated train loss 1.2896, acc 62.4257
Time: 1.4107670783996582, Val loss: 2.211379051208496, Test loss: 2.467560291290283
Val acc: 58.5505, Test acc: 56.5416
Best Epoch 80,Val 58.6738, Test 56.6489
1.3249434283081913 0.09422680053492667
Epoch 87, Time(s): 22.4168, estimated train loss 1.2846, acc 62.4643
Time: 1.378995418548584, Val loss: 2.234114170074463, Test loss: 2.4865314960479736
Val acc: 58.6029, Test acc: 56.6418
Best Epoch 80,Val 58.6738, Test 56.6489
1.3222519965238975 0.0951938832729635
Epoch 88, Time(s): 22.3406, estimated train loss 1.2832, acc 62.4614
Time: 1.358039379119873, Val loss: 2.2242379188537598, Test loss: 2.4729254245758057
Val acc: 58.5274, Test acc: 56.5059
Best Epoch 80,Val 58.6738, Test 56.6489

1.322927691567112 0.09456628613488775
Epoch 89, Time(s): 21.7700, estimated train loss 1.2831, acc 62.4783
Time: 1.4915575981140137, Val loss: 2.2255547046661377, Test loss: 2.478717565536499
Val acc: 58.4827, Test acc: 56.5011
Best Epoch 80,Val 58.6738, Test 56.6489
1.31892613122161 0.09248289581335767
Epoch 90, Time(s): 22.3474, estimated train loss 1.2774, acc 62.5667
Time: 1.3953771591186523, Val loss: 2.2235708236694336, Test loss: 2.4735052585601807
Val acc: 58.6214, Test acc: 56.6394
Best Epoch 80,Val 58.6738, Test 56.6489
1.3153511420102186 0.09189758628187045
Epoch 91, Time(s): 22.3623, estimated train loss 1.2736, acc 62.6257
Time: 1.463238000869751, Val loss: 2.25508975982666, Test loss: 2.511936902999878
Val acc: 58.5875, Test acc: 56.5893
Best Epoch 80,Val 58.6738, Test 56.6489
1.3130291582832874 0.091240868811876
Epoch 92, Time(s): 22.2346, estimated train loss 1.2708, acc 62.6041
Time: 1.3641571998596191, Val loss: 2.2287399768829346, Test loss: 2.4859046936035156
Val acc: 58.5259, Test acc: 56.3199
Best Epoch 80,Val 58.6738, Test 56.6489
1.3104228268206959 0.09057042978599038
Epoch 93, Time(s): 21.9007, estimated train loss 1.2677, acc 62.7140
Time: 1.396986961364746, Val loss: 2.2244036197662354, Test loss: 2.477797508239746
Val acc: 58.6353, Test acc: 56.6394
Best Epoch 80,Val 58.6738, Test 56.6489
1.3103620938851799 0.09137838711621056
Epoch 94, Time(s): 21.8575, estimated train loss 1.2685, acc 62.7227
Time: 1.4524729251861572, Val loss: 2.2340798377990723, Test loss: 2.4906203746795654
Val acc: 58.5012, Test acc: 56.5583
Best Epoch 80,Val 58.6738, Test 56.6489
1.3062340675945012 0.09108652447310972
Epoch 95, Time(s): 22.2440, estimated train loss 1.2646, acc 62.7457
Time: 1.3813223838806152, Val loss: 2.273707151412964, Test loss: 2.537224054336548
Val acc: 58.5043, Test acc: 56.4415
Best Epoch 80,Val 58.6738, Test 56.6489
1.3038043942249997 0.09040525629067085
Epoch 96, Time(s): 22.5128, estimated train loss 1.2616, acc 62.8051
Time: 1.4060380458831787, Val loss: 2.2967710494995117, Test loss: 2.557927370071411
Val acc: 58.5675, Test acc: 56.4582
Best Epoch 80,Val 58.6738, Test 56.6489
1.3020255229842495 0.090553026069218
Epoch 97, Time(s): 22.5279, estimated train loss 1.2602, acc 62.8846
Time: 1.399160623550415, Val loss: 2.2674221992492676, Test loss: 2.519164562225342
Val acc: 58.4396, Test acc: 56.5035

Best Epoch 80,Val 58.6738, Test 56.6489
1.3017791912589274 0.088164118289108
Epoch 98, Time(s): 21.6098, estimated train loss 1.2575, acc 62.8979
Time: 1.4408085346221924, Val loss: 2.257108211517334, Test loss: 2.523343324661255
Val acc: 58.6214, Test acc: 56.5202
Best Epoch 80,Val 58.6738, Test 56.6489
1.2983125347486684 0.09038118703264586
Epoch 99, Time(s): 22.0308, estimated train loss 1.2567, acc 63.0147
Time: 1.3848204612731934, Val loss: 2.2816574573516846, Test loss: 2.5445826053619385
Val acc: 58.7894, Test acc: 56.7038
Best Epoch 99,Val 58.7894, Test 56.7038
1.2956719163437964 0.08862336924378302
Epoch 100, Time(s): 22.3203, estimated train loss 1.2525, acc 63.0288
Time: 1.3984761238098145, Val loss: 2.2877485752105713, Test loss: 2.547635078430176
Val acc: 58.6446, Test acc: 56.6632
Best Epoch 99,Val 58.7894, Test 56.7038
1.2931185927189572 0.08888635543030753
Epoch 101, Time(s): 22.4221, estimated train loss 1.2505, acc 63.0420
Time: 1.39385986328125, Val loss: 2.2582485675811768, Test loss: 2.5183184146881104
Val acc: 58.5675, Test acc: 56.5178
Best Epoch 99,Val 58.7894, Test 56.7038
1.2926425866677727 0.08798366459742399
Epoch 102, Time(s): 22.3856, estimated train loss 1.2491, acc 63.1667
Time: 1.3902852535247803, Val loss: 2.2794768810272217, Test loss: 2.5541462898254395
Val acc: 58.6029, Test acc: 56.5560
Best Epoch 99,Val 58.7894, Test 56.7038
1.2904771264170256 0.08684971939090272
Epoch 103, Time(s): 21.8079, estimated train loss 1.2460, acc 63.1457
Time: 1.4568090438842773, Val loss: 2.28153657913208, Test loss: 2.5512311458587646
Val acc: 58.6708, Test acc: 56.5846
Best Epoch 99,Val 58.7894, Test 56.7038
1.2866369166844327 0.08628054246516295
Epoch 104, Time(s): 22.3394, estimated train loss 1.2419, acc 63.1922
Time: 1.3927569389343262, Val loss: 2.2414824962615967, Test loss: 2.495950222015381
Val acc: 58.5274, Test acc: 56.6489
Best Epoch 99,Val 58.7894, Test 56.7038
1.2845935653632796 0.0858362882699765
Epoch 105, Time(s): 22.4093, estimated train loss 1.2396, acc 63.2551
Time: 1.388516902923584, Val loss: 2.2727134227752686, Test loss: 2.5395467281341553
Val acc: 58.5536, Test acc: 56.6919
Best Epoch 99,Val 58.7894, Test 56.7038
1.284464292123284 0.08697122146546
Epoch 106, Time(s): 22.3800, estimated train loss 1.2407, acc 63.2264
Time: 1.3968994617462158, Val loss: 2.246260404586792, Test loss: 2.5065433979034424

Val acc: 58.6446, Test acc: 56.7372
Best Epoch 99,Val 58.7894, Test 56.7038
1.2842762520615483 0.08532944667926977
Epoch 107, Time(s): 22.0885, estimated train loss 1.2388, acc 63.2674
Time: 1.3571138381958008, Val loss: 2.2997264862060547, Test loss: 2.570640802383423
Val acc: 58.5166, Test acc: 56.6275
Best Epoch 99,Val 58.7894, Test 56.7038
1.2793753885887038 0.08528239070109918
Epoch 108, Time(s): 21.8293, estimated train loss 1.2344, acc 63.3665
Time: 1.5075645446777344, Val loss: 2.2737114429473877, Test loss: 2.5340421199798584
Val acc: 58.4195, Test acc: 56.6084
Best Epoch 99,Val 58.7894, Test 56.7038
1.2779950524719668 0.0838255772078541
Epoch 109, Time(s): 22.5625, estimated train loss 1.2316, acc 63.3280
Time: 1.4070265293121338, Val loss: 2.233459711074829, Test loss: 2.4901373386383057
Val acc: 58.4858, Test acc: 56.5440
Best Epoch 99,Val 58.7894, Test 56.7038
1.276840414799435 0.08451443816154776
Epoch 110, Time(s): 22.4468, estimated train loss 1.2313, acc 63.3768
Time: 1.4016368389129639, Val loss: 2.282256841659546, Test loss: 2.5438599586486816
Val acc: 58.4843, Test acc: 56.8206
Best Epoch 99,Val 58.7894, Test 56.7038
1.273766148258263 0.08304271721084353
Epoch 111, Time(s): 22.3926, estimated train loss 1.2270, acc 63.4681
Time: 1.3726961612701416, Val loss: 2.3357644081115723, Test loss: 2.609522581100464
Val acc: 58.4226, Test acc: 56.5726
Best Epoch 99,Val 58.7894, Test 56.7038
1.2745754853100844 0.08351360765141501
Epoch 112, Time(s): 22.0131, estimated train loss 1.2282, acc 63.4327
Time: 1.4444870948791504, Val loss: 2.3148202896118164, Test loss: 2.592322587966919
Val acc: 58.6461, Test acc: 56.6632
Best Epoch 99,Val 58.7894, Test 56.7038
1.272830133706751 0.08325611621561185
Epoch 113, Time(s): 22.2205, estimated train loss 1.2264, acc 63.4907
Time: 1.4183554649353027, Val loss: 2.293081283569336, Test loss: 2.563375234603882
Val acc: 58.6538, Test acc: 56.6299
Best Epoch 99,Val 58.7894, Test 56.7038
1.2716651550481017 0.08244023818365286
Epoch 114, Time(s): 22.5616, estimated train loss 1.2245, acc 63.4648
Time: 1.3906834125518799, Val loss: 2.3245248794555664, Test loss: 2.594379186630249
Val acc: 58.4889, Test acc: 56.6442
Best Epoch 99,Val 58.7894, Test 56.7038
1.2692798325713253 0.08492488928244148
Epoch 115, Time(s): 22.5216, estimated train loss 1.2250, acc 63.5472

Time: 1.405210018157959, Val loss: 2.249551296234131, Test loss: 2.510063409805298
Val acc: 58.6168, Test acc: 56.5917
Best Epoch 99,Val 58.7894, Test 56.7038
1.2668887561475728 0.08086173845009065
Epoch 116, Time(s): 22.0002, estimated train loss 1.2186, acc 63.5714
Time: 1.3753044605255127, Val loss: 2.3147101402282715, Test loss: 2.5912532806396484
Val acc: 58.6523, Test acc: 56.5989
Best Epoch 99,Val 58.7894, Test 56.7038
1.2642875624374605 0.08167810580680068
Epoch 117, Time(s): 21.9242, estimated train loss 1.2171, acc 63.6897
Time: 1.4871234893798828, Val loss: 2.3366336822509766, Test loss: 2.6045308113098145
Val acc: 58.4812, Test acc: 56.6442
Best Epoch 99,Val 58.7894, Test 56.7038
1.2625535071735652 0.08114261893739164
Epoch 118, Time(s): 22.5586, estimated train loss 1.2150, acc 63.6511
Time: 1.431875228881836, Val loss: 2.3188302516937256, Test loss: 2.5824267864227295
Val acc: 58.5151, Test acc: 56.6227
Best Epoch 99,Val 58.7894, Test 56.7038
1.2600639151855253 0.0818921951970584
Epoch 119, Time(s): 22.5109, estimated train loss 1.2135, acc 63.7788
Time: 1.3743178844451904, Val loss: 2.3203418254852295, Test loss: 2.591618537902832
Val acc: 58.6307, Test acc: 56.5464
Best Epoch 99,Val 58.7894, Test 56.7038
1.2601149619465144 0.08130020826635226
Epoch 120, Time(s): 22.2757, estimated train loss 1.2130, acc 63.8141
Time: 1.3470983505249023, Val loss: 2.3371002674102783, Test loss: 2.6110379695892334
Val acc: 58.5598, Test acc: 56.6060
Best Epoch 99,Val 58.7894, Test 56.7038
1.2575080394744873 0.08121505967328246
Epoch 121, Time(s): 21.5848, estimated train loss 1.2105, acc 63.7928
Time: 1.409280776977539, Val loss: 2.3162741661071777, Test loss: 2.5948567390441895
Val acc: 58.6476, Test acc: 56.5750
Best Epoch 99,Val 58.7894, Test 56.7038
1.2559855806995446 0.08060236495565361
Epoch 122, Time(s): 22.3504, estimated train loss 1.2085, acc 63.8376
Time: 1.4083454608917236, Val loss: 2.3101646900177, Test loss: 2.5787994861602783
Val acc: 58.5783, Test acc: 56.5440
Best Epoch 99,Val 58.7894, Test 56.7038
1.251745255900101 0.07986556885527893
Epoch 123, Time(s): 22.5533, estimated train loss 1.2040, acc 63.8843
Time: 1.373366355895996, Val loss: 2.327643394470215, Test loss: 2.5959815979003906
Val acc: 58.5706, Test acc: 56.5703
Best Epoch 99,Val 58.7894, Test 56.7038
1.2526860035641092 0.08060866804190085

Epoch 124, Time(s): 22.3811, estimated train loss 1.2056, acc 63.8959
Time: 1.3849682807922363, Val loss: 2.343263864517212, Test loss: 2.6179397106170654
Val acc: 58.6014, Test acc: 56.7491
Best Epoch 99,Val 58.7894, Test 56.7038
1.2506221465661491 0.07992569210243897
Epoch 125, Time(s): 21.7067, estimated train loss 1.2030, acc 64.0091
Time: 1.483124017715454, Val loss: 2.3561251163482666, Test loss: 2.639247179031372
Val acc: 58.6137, Test acc: 56.5631
Best Epoch 99,Val 58.7894, Test 56.7038
1.249225806182539 0.07990544446757142
Epoch 126, Time(s): 22.3884, estimated train loss 1.2017, acc 63.9478
Time: 1.3900482654571533, Val loss: 2.367133378982544, Test loss: 2.6437830924987793
Val acc: 58.4904, Test acc: 56.5917
Best Epoch 99,Val 58.7894, Test 56.7038
1.2484213063414669 0.0783231740056629
Epoch 127, Time(s): 22.5552, estimated train loss 1.1994, acc 63.9607
Time: 1.4071998596191406, Val loss: 2.3299496173858643, Test loss: 2.611659526824951
Val acc: 58.6985, Test acc: 56.6823
Best Epoch 99,Val 58.7894, Test 56.7038
1.2464159911787007 0.07926111458472802
Epoch 128, Time(s): 22.3397, estimated train loss 1.1986, acc 63.9690
Time: 1.373307704925537, Val loss: 2.3515613079071045, Test loss: 2.6275248527526855
Val acc: 58.5474, Test acc: 56.5774
Best Epoch 99,Val 58.7894, Test 56.7038
1.2447383437358157 0.07829392654165415
Epoch 129, Time(s): 21.8014, estimated train loss 1.1960, acc 64.1357
Time: 1.4854152202606201, Val loss: 2.3851311206817627, Test loss: 2.6784067153930664
Val acc: 58.6569, Test acc: 56.7491
Best Epoch 99,Val 58.7894, Test 56.7038
1.2425196170806885 0.07934779269804418
Epoch 130, Time(s): 22.5562, estimated train loss 1.1952, acc 64.0857
Time: 1.409264326095581, Val loss: 2.3631110191345215, Test loss: 2.6478593349456787
Val acc: 58.7802, Test acc: 56.7324
Best Epoch 99,Val 58.7894, Test 56.7038
1.2410648288861128 0.07695677078945536
Epoch 131, Time(s): 22.6001, estimated train loss 1.1913, acc 64.1413
Time: 1.391618251800537, Val loss: 2.328260660171509, Test loss: 2.603024482727051
Val acc: 58.6415, Test acc: 56.8588
Best Epoch 99,Val 58.7894, Test 56.7038
1.240576554352129 0.07891887667733179
Epoch 132, Time(s): 22.1709, estimated train loss 1.1930, acc 64.1608
Time: 1.425072431564331, Val loss: 2.3481006622314453, Test loss: 2.624006986618042
Val acc: 58.6214, Test acc: 56.5536
Best Epoch 99,Val 58.7894, Test 56.7038

1.240185494154272 0.07709116635608002
Epoch 133, Time(s): 22.1802, estimated train loss 1.1907, acc 64.2010
Time: 1.44260835647583, Val loss: 2.347484588623047, Test loss: 2.6150567531585693
Val acc: 58.6106, Test acc: 56.7276
Best Epoch 99,Val 58.7894, Test 56.7038
1.2387488778208342 0.07831191303024829
Epoch 134, Time(s): 22.5411, estimated train loss 1.1907, acc 64.1419
Time: 1.423168420791626, Val loss: 2.395064353942871, Test loss: 2.6780829429626465
Val acc: 58.7694, Test acc: 56.6370
Best Epoch 99,Val 58.7894, Test 56.7038
1.2341084295595195 0.077007618588461
Epoch 135, Time(s): 22.5419, estimated train loss 1.1852, acc 64.2887
Time: 1.407071828842163, Val loss: 2.3783862590789795, Test loss: 2.665510892868042
Val acc: 58.5798, Test acc: 56.5774
Best Epoch 99,Val 58.7894, Test 56.7038
1.2356720877365328 0.07776769901245413
Epoch 136, Time(s): 22.2634, estimated train loss 1.1874, acc 64.2015
Time: 1.3617138862609863, Val loss: 2.393322229385376, Test loss: 2.68088698387146
Val acc: 58.6184, Test acc: 56.6561
Best Epoch 99,Val 58.7894, Test 56.7038
1.2339820845026366 0.07685297391784023
Epoch 137, Time(s): 22.0374, estimated train loss 1.1849, acc 64.2920
Time: 1.4764840602874756, Val loss: 2.3678274154663086, Test loss: 2.650967836380005
Val acc: 58.7062, Test acc: 56.7539
Best Epoch 99,Val 58.7894, Test 56.7038
1.2335311207972781 0.07541854170636392
Epoch 138, Time(s): 22.2762, estimated train loss 1.1830, acc 64.2750
Time: 1.3804502487182617, Val loss: 2.365739107131958, Test loss: 2.6408751010894775
Val acc: 58.6893, Test acc: 56.6799
Best Epoch 99,Val 58.7894, Test 56.7038
1.2301807504304698 0.07779035203053918
Epoch 139, Time(s): 22.4121, estimated train loss 1.1825, acc 64.4166
Time: 1.3789174556732178, Val loss: 2.3182332515716553, Test loss: 2.5971484184265137
Val acc: 58.6630, Test acc: 56.6871
Best Epoch 99,Val 58.7894, Test 56.7038
1.2283828963696117 0.07544029231222582
Epoch 140, Time(s): 22.4132, estimated train loss 1.1784, acc 64.4197
Time: 1.435927152633667, Val loss: 2.4256489276885986, Test loss: 2.711364269256592
Val acc: 58.5151, Test acc: 56.6156
Best Epoch 99,Val 58.7894, Test 56.7038
1.2269793832805795 0.07554085993430984
Epoch 141, Time(s): 21.6140, estimated train loss 1.1772, acc 64.4593
Time: 1.4766359329223633, Val loss: 2.3775618076324463, Test loss: 2.6577858924865723
Val acc: 58.4118, Test acc: 56.6227

Best Epoch 99,Val 58.7894, Test 56.7038
1.2259595830675583 0.07454182391225452
Epoch 142, Time(s): 22.2187, estimated train loss 1.1753, acc 64.4768
Time: 1.3923089504241943, Val loss: 2.355180501937866, Test loss: 2.628321886062622
Val acc: 58.5243, Test acc: 56.6084
Best Epoch 99,Val 58.7894, Test 56.7038
1.2225254958784078 0.074776764486877
Epoch 143, Time(s): 22.2466, estimated train loss 1.1725, acc 64.4533
Time: 1.384436845779419, Val loss: 2.403290271759033, Test loss: 2.688063621520996
Val acc: 58.5336, Test acc: 56.6394
Best Epoch 99,Val 58.7894, Test 56.7038
1.2233359612209695 0.07488136659835426
Epoch 144, Time(s): 22.4067, estimated train loss 1.1733, acc 64.4857
Time: 1.3449411392211914, Val loss: 2.3621413707733154, Test loss: 2.6393678188323975
Val acc: 58.4997, Test acc: 56.5774
Best Epoch 99,Val 58.7894, Test 56.7038
1.2215290153530283 0.07511031690617682
Epoch 145, Time(s): 22.2828, estimated train loss 1.1719, acc 64.5519
Time: 1.359586477279663, Val loss: 2.3591597080230713, Test loss: 2.643939733505249
Val acc: 58.7201, Test acc: 56.9017
Best Epoch 99,Val 58.7894, Test 56.7038
1.2202414139895372 0.07405066679061299
Epoch 146, Time(s): 21.6934, estimated train loss 1.1696, acc 64.5033
Time: 1.4301292896270752, Val loss: 2.3969738483428955, Test loss: 2.682556390762329
Val acc: 58.6168, Test acc: 56.6108
Best Epoch 99,Val 58.7894, Test 56.7038
1.220200369055842 0.07367703250386345
Epoch 147, Time(s): 22.3156, estimated train loss 1.1692, acc 64.5721
Time: 1.389922857284546, Val loss: 2.426769495010376, Test loss: 2.728484630584717
Val acc: 58.7000, Test acc: 56.6299
Best Epoch 99,Val 58.7894, Test 56.7038
1.2172894662534688 0.07341189477855051
Epoch 148, Time(s): 22.5378, estimated train loss 1.1663, acc 64.6478
Time: 1.3885135650634766, Val loss: 2.3739840984344482, Test loss: 2.65425705909729
Val acc: 58.6600, Test acc: 56.6561
Best Epoch 99,Val 58.7894, Test 56.7038
1.2159181682156845 0.07328459095786995
Epoch 149, Time(s): 22.4287, estimated train loss 1.1650, acc 64.7125
Time: 1.424778699874878, Val loss: 2.4431395530700684, Test loss: 2.743230104446411
Val acc: 58.6553, Test acc: 56.6799
Best Epoch 99,Val 58.7894, Test 56.7038
1.2142894889267397 0.0732414938614402
Epoch 150, Time(s): 22.2164, estimated train loss 1.1635, acc 64.7298
Time: 1.360896110534668, Val loss: 2.4031193256378174, Test loss: 2.683579683303833

Val acc: 58.5582, Test acc: 56.5416
Best Epoch 99,Val 58.7894, Test 56.7038
1.2122248327228384 0.0739922917015116
Epoch 151, Time(s): 21.6834, estimated train loss 1.1624, acc 64.7246
Time: 1.4555699825286865, Val loss: 2.3960540294647217, Test loss: 2.678589344024658
Val acc: 58.6338, Test acc: 56.6919
Best Epoch 99,Val 58.7894, Test 56.7038
1.2119300953099426 0.07388239642474013
Epoch 152, Time(s): 22.4847, estimated train loss 1.1620, acc 64.7265
Time: 1.4365098476409912, Val loss: 2.455246925354004, Test loss: 2.7525389194488525
Val acc: 58.6661, Test acc: 56.5941
Best Epoch 99,Val 58.7894, Test 56.7038
1.210794406877437 0.07273784300810854
Epoch 153, Time(s): 22.4046, estimated train loss 1.1598, acc 64.7743
Time: 1.3915984630584717, Val loss: 2.4012105464935303, Test loss: 2.687497854232788
Val acc: 58.6738, Test acc: 56.6752
Best Epoch 99,Val 58.7894, Test 56.7038
1.2099419446058677 0.07360678706580484
Epoch 154, Time(s): 22.2875, estimated train loss 1.1600, acc 64.7295
Time: 1.3803315162658691, Val loss: 2.4203455448150635, Test loss: 2.706206798553467
Val acc: 58.6831, Test acc: 56.7014
Best Epoch 99,Val 58.7894, Test 56.7038
1.2081254082666317 0.07275113305995162
Epoch 155, Time(s): 21.6926, estimated train loss 1.1574, acc 64.8270
Time: 1.4753930568695068, Val loss: 2.3890740871429443, Test loss: 2.680634021759033
Val acc: 58.5875, Test acc: 56.6203
Best Epoch 99,Val 58.7894, Test 56.7038
1.207232737205398 0.07177582718956639
Epoch 156, Time(s): 22.0758, estimated train loss 1.1556, acc 64.8612
Time: 1.375091791152954, Val loss: 2.4619698524475098, Test loss: 2.7594761848449707
Val acc: 58.6230, Test acc: 56.6847
Best Epoch 99,Val 58.7894, Test 56.7038
1.2083208527363523 0.07321311942708324
Epoch 157, Time(s): 22.2767, estimated train loss 1.1581, acc 64.8440
Time: 1.3650407791137695, Val loss: 2.4109854698181152, Test loss: 2.693099021911621
Val acc: 58.6014, Test acc: 56.6871
Best Epoch 99,Val 58.7894, Test 56.7038
1.2065792940032314 0.07254162409775694
Epoch 158, Time(s): 22.3218, estimated train loss 1.1558, acc 64.8902
Time: 1.417790412902832, Val loss: 2.432887554168701, Test loss: 2.7159979343414307
Val acc: 58.5814, Test acc: 56.6704
Best Epoch 99,Val 58.7894, Test 56.7038
1.2034002206694911 0.0722757461939899
Epoch 159, Time(s): 22.3003, estimated train loss 1.1527, acc 64.9420

Time: 1.365523099899292, Val loss: 2.447031259536743, Test loss: 2.7459633350372314
Val acc: 58.6815, Test acc: 56.7109
Best Epoch 99,Val 58.7894, Test 56.7038
1.201592396682417 0.07223032766454657
Epoch 160, Time(s): 21.6295, estimated train loss 1.1511, acc 64.9722
Time: 1.4767851829528809, Val loss: 2.4325814247131348, Test loss: 2.7239739894866943
Val acc: 58.5536, Test acc: 56.6704
Best Epoch 99,Val 58.7894, Test 56.7038
1.2018123596486912 0.07235751038705798
Epoch 161, Time(s): 22.3435, estimated train loss 1.1514, acc 64.9769
Time: 1.392042875289917, Val loss: 2.419126510620117, Test loss: 2.7095184326171875
Val acc: 58.6368, Test acc: 56.6179
Best Epoch 99,Val 58.7894, Test 56.7038
1.2021750933687452 0.0711298534567927
Epoch 162, Time(s): 22.3224, estimated train loss 1.1504, acc 64.9252
Time: 1.3915250301361084, Val loss: 2.469022750854492, Test loss: 2.7596263885498047
Val acc: 58.6785, Test acc: 56.6084
Best Epoch 99,Val 58.7894, Test 56.7038
1.1985343190985667 0.07178665545414871
Epoch 163, Time(s): 22.5366, estimated train loss 1.1478, acc 64.9873
Time: 1.3812828063964844, Val loss: 2.454890727996826, Test loss: 2.743375539779663
Val acc: 58.7386, Test acc: 56.6799
Best Epoch 99,Val 58.7894, Test 56.7038
1.1982443735633097 0.07060330896310403
Epoch 164, Time(s): 22.0725, estimated train loss 1.1463, acc 65.0370
Time: 1.378218650817871, Val loss: 2.431656837463379, Test loss: 2.7167961597442627
Val acc: 58.7632, Test acc: 56.6847
Best Epoch 99,Val 58.7894, Test 56.7038
1.195642157339714 0.07273884416675903
Epoch 165, Time(s): 21.9137, estimated train loss 1.1463, acc 65.0943
Time: 1.460583209991455, Val loss: 2.458804130554199, Test loss: 2.746107816696167
Val acc: 58.6384, Test acc: 56.5846
Best Epoch 99,Val 58.7894, Test 56.7038
1.1960274451215502 0.07190464882993362
Epoch 166, Time(s): 22.2830, estimated train loss 1.1457, acc 65.0962
Time: 1.393646001815796, Val loss: 2.4323880672454834, Test loss: 2.7181856632232666
Val acc: 58.7108, Test acc: 56.7157
Best Epoch 99,Val 58.7894, Test 56.7038
1.1946601733355455 0.07082214106766271
Epoch 167, Time(s): 22.4075, estimated train loss 1.1434, acc 65.0791
Time: 1.3779938220977783, Val loss: 2.470062017440796, Test loss: 2.7641561031341553
Val acc: 58.6291, Test acc: 56.6132
Best Epoch 99,Val 58.7894, Test 56.7038
1.192048516072018 0.07137214014647712

Epoch 168, Time(s): 22.3388, estimated train loss 1.1416, acc 65.1229
Time: 1.4251916408538818, Val loss: 2.4539096355438232, Test loss: 2.7433042526245117
Val acc: 58.6322, Test acc: 56.5869
Best Epoch 99,Val 58.7894, Test 56.7038
1.1931523605131766 0.07020141163342436
Epoch 169, Time(s): 21.8715, estimated train loss 1.1413, acc 65.1172
Time: 1.517754316329956, Val loss: 2.4851973056793213, Test loss: 2.7750816345214844
Val acc: 58.5505, Test acc: 56.5202
Best Epoch 99,Val 58.7894, Test 56.7038
1.1910605632083517 0.07080423296757148
Epoch 170, Time(s): 22.0007, estimated train loss 1.1401, acc 65.1739
Time: 1.443192481994629, Val loss: 2.4162185192108154, Test loss: 2.700462818145752
Val acc: 58.6523, Test acc: 56.7396
Best Epoch 99,Val 58.7894, Test 56.7038
1.1885963896630516 0.07057725323337904
Epoch 171, Time(s): 22.3343, estimated train loss 1.1377, acc 65.2973
Time: 1.3634262084960938, Val loss: 2.4528353214263916, Test loss: 2.7441506385803223
Val acc: 58.6862, Test acc: 56.6203
Best Epoch 99,Val 58.7894, Test 56.7038
1.1874789872639615 0.0699250846051834
Epoch 172, Time(s): 22.3240, estimated train loss 1.1360, acc 65.2883
Time: 1.365225076675415, Val loss: 2.442927598953247, Test loss: 2.737977981567383
Val acc: 58.7540, Test acc: 56.6466
Best Epoch 99,Val 58.7894, Test 56.7038
1.1886165041319081 0.06945002677155213
Epoch 173, Time(s): 22.4652, estimated train loss 1.1365, acc 65.2189
Time: 1.3933196067810059, Val loss: 2.4254894256591797, Test loss: 2.71549654006958
Val acc: 58.6384, Test acc: 56.5297
Best Epoch 99,Val 58.7894, Test 56.7038
1.1840448883217825 0.06972943419511889
Epoch 174, Time(s): 21.6744, estimated train loss 1.1327, acc 65.3469
Time: 1.4603676795959473, Val loss: 2.4710967540740967, Test loss: 2.7718896865844727
Val acc: 58.8203, Test acc: 56.7634
Best Epoch 174,Val 58.8203, Test 56.7634
1.1848703538867789 0.07062761606255048
Epoch 175, Time(s): 22.1786, estimated train loss 1.1344, acc 65.3108
Time: 1.404561996459961, Val loss: 2.453505754470825, Test loss: 2.7432861328125
Val acc: 58.6815, Test acc: 56.5989
Best Epoch 174,Val 58.8203, Test 56.7634
1.1847097504306847 0.070167144314504
Epoch 176, Time(s): 22.3673, estimated train loss 1.1338, acc 65.3070
Time: 1.3990683555603027, Val loss: 2.453455686569214, Test loss: 2.752190351486206
Val acc: 58.7740, Test acc: 56.6919
Best Epoch 174,Val 58.8203, Test 56.7634

1.1828294270475146 0.06967595277327887
Epoch 177, Time(s): 22.4882, estimated train loss 1.1316, acc 65.3920
Time: 1.3947372436523438, Val loss: 2.5037903785705566, Test loss: 2.800292730331421
Val acc: 58.7617, Test acc: 56.7753
Best Epoch 174,Val 58.8203, Test 56.7634
1.1826717668855693 0.06859292997650697
Epoch 178, Time(s): 22.4343, estimated train loss 1.1303, acc 65.3477
Time: 1.3813142776489258, Val loss: 2.519961357116699, Test loss: 2.81842303276062
Val acc: 58.5459, Test acc: 56.5822
Best Epoch 174,Val 58.8203, Test 56.7634
1.1819166448754324 0.06817347503883738
Epoch 179, Time(s): 21.7489, estimated train loss 1.1292, acc 65.3955
Time: 1.4464325904846191, Val loss: 2.4745066165924072, Test loss: 2.7775514125823975
Val acc: 58.6923, Test acc: 56.5846
Best Epoch 174,Val 58.8203, Test 56.7634
1.1797591044869222 0.06965606035271162
Epoch 180, Time(s): 22.2072, estimated train loss 1.1288, acc 65.4387
Time: 1.4115056991577148, Val loss: 2.5089457035064697, Test loss: 2.8154544830322266
Val acc: 58.6291, Test acc: 56.5893
Best Epoch 174,Val 58.8203, Test 56.7634
1.1791996133159584 0.06974338656160194
Epoch 181, Time(s): 21.9875, estimated train loss 1.1284, acc 65.5011
Time: 1.3884403705596924, Val loss: 2.470353364944458, Test loss: 2.77018141746521
Val acc: 58.7555, Test acc: 56.7396
Best Epoch 174,Val 58.8203, Test 56.7634
1.178289767722009 0.06867437111869665
Epoch 182, Time(s): 22.1538, estimated train loss 1.1265, acc 65.4705
Time: 1.3749675750732422, Val loss: 2.4862985610961914, Test loss: 2.7932519912719727
Val acc: 58.8187, Test acc: 56.8039
Best Epoch 174,Val 58.8203, Test 56.7634
1.1769900271590328 0.0697521615091344
Epoch 183, Time(s): 22.2862, estimated train loss 1.1264, acc 65.5071
Time: 1.3857653141021729, Val loss: 2.4828364849090576, Test loss: 2.7883880138397217
Val acc: 58.6245, Test acc: 56.5297
Best Epoch 174,Val 58.8203, Test 56.7634
1.1775729538689197 0.06917329132556915
Epoch 184, Time(s): 22.1226, estimated train loss 1.1263, acc 65.4808
Time: 1.3662850856781006, Val loss: 2.450780153274536, Test loss: 2.7317521572113037
Val acc: 58.6368, Test acc: 56.5965
Best Epoch 174,Val 58.8203, Test 56.7634
1.1749448155013609 0.06773896074630845
Epoch 185, Time(s): 21.7031, estimated train loss 1.1225, acc 65.5712
Time: 1.4732654094696045, Val loss: 2.529853343963623, Test loss: 2.8360540866851807
Val acc: 58.7910, Test acc: 56.7801

Best Epoch 174,Val 58.8203, Test 56.7634
1.1719917243635152 0.06793809073491835
Epoch 186, Time(s): 22.3193, estimated train loss 1.1200, acc 65.5932
Time: 1.4045634269714355, Val loss: 2.4504921436309814, Test loss: 2.743950843811035
Val acc: 58.8557, Test acc: 56.7443
Best Epoch 186,Val 58.8557, Test 56.7443
1.1729145201159195 0.06768078168093318
Epoch 187, Time(s): 22.4679, estimated train loss 1.1206, acc 65.6565
Time: 1.3628075122833252, Val loss: 2.5321097373962402, Test loss: 2.8372864723205566
Val acc: 58.7648, Test acc: 56.6060
Best Epoch 186,Val 58.8557, Test 56.7443
1.1712689298978993 0.06807027316429246
Epoch 188, Time(s): 22.3750, estimated train loss 1.1195, acc 65.6460
Time: 1.3815240859985352, Val loss: 2.511948347091675, Test loss: 2.8180673122406006
Val acc: 58.5598, Test acc: 56.5440
Best Epoch 186,Val 58.8557, Test 56.7443
1.1696541426886975 0.06830406141742854
Epoch 189, Time(s): 21.9745, estimated train loss 1.1183, acc 65.6295
Time: 1.3957009315490723, Val loss: 2.487668514251709, Test loss: 2.783501148223877
Val acc: 58.6307, Test acc: 56.6776
Best Epoch 186,Val 58.8557, Test 56.7443
1.1695495592036718 0.06803528654953124
Epoch 190, Time(s): 21.9565, estimated train loss 1.1180, acc 65.6692
Time: 1.4732089042663574, Val loss: 2.456653118133545, Test loss: 2.7513718605041504
Val acc: 58.7571, Test acc: 56.6632
Best Epoch 186,Val 58.8557, Test 56.7443
1.1678525293377084 0.06767634349599691
Epoch 191, Time(s): 22.3596, estimated train loss 1.1161, acc 65.6976
Time: 1.447570562362671, Val loss: 2.451467752456665, Test loss: 2.735732316970825
Val acc: 58.5274, Test acc: 56.6489
Best Epoch 186,Val 58.8557, Test 56.7443
1.1674339015718918 0.06689473162864296
Epoch 192, Time(s): 22.4477, estimated train loss 1.1149, acc 65.6625
Time: 1.405604600906372, Val loss: 2.5073955059051514, Test loss: 2.8021774291992188
Val acc: 58.5891, Test acc: 56.7252
Best Epoch 186,Val 58.8557, Test 56.7443
1.1669120469563443 0.06710520801199994
Epoch 193, Time(s): 22.3217, estimated train loss 1.1146, acc 65.7143
Time: 1.4130582809448242, Val loss: 2.496886968612671, Test loss: 2.7842822074890137
Val acc: 58.4935, Test acc: 56.5750
Best Epoch 186,Val 58.8557, Test 56.7443
1.1648663786095632 0.06618613602829651
Epoch 194, Time(s): 22.0684, estimated train loss 1.1118, acc 65.8016
Time: 1.4634671211242676, Val loss: 2.465193033218384, Test loss: 2.7538959980010986

Val acc: 58.6738, Test acc: 56.6942
Best Epoch 186,Val 58.8557, Test 56.7443
1.165261125900376 0.06762205358122436
Epoch 195, Time(s): 22.2120, estimated train loss 1.1137, acc 65.7538
Time: 1.393813133239746, Val loss: 2.5271193981170654, Test loss: 2.820488929748535
Val acc: 58.5783, Test acc: 56.7562
Best Epoch 186,Val 58.8557, Test 56.7443
1.1645512429761216 0.06679216919230743
Epoch 196, Time(s): 22.2757, estimated train loss 1.1122, acc 65.7886
Time: 1.392005205154419, Val loss: 2.544177293777466, Test loss: 2.850207567214966
Val acc: 58.6307, Test acc: 56.6656
Best Epoch 186,Val 58.8557, Test 56.7443
1.1628471310709563 0.0671989382572577
Epoch 197, Time(s): 22.3670, estimated train loss 1.1111, acc 65.7900
Time: 1.3759407997131348, Val loss: 2.528177499771118, Test loss: 2.8274176120758057
Val acc: 58.5721, Test acc: 56.6299
Best Epoch 186,Val 58.8557, Test 56.7443
1.1602546497130057 0.06670281705512128
Epoch 198, Time(s): 22.3052, estimated train loss 1.1082, acc 65.8571
Time: 1.3567814826965332, Val loss: 2.486283779144287, Test loss: 2.784062147140503
Val acc: 58.6492, Test acc: 56.6942
Best Epoch 186,Val 58.8557, Test 56.7443
1.1615008182928597 0.0671170368580751
Epoch 199, Time(s): 21.5820, estimated train loss 1.1098, acc 65.8434
Time: 1.4346823692321777, Val loss: 2.527254104614258, Test loss: 2.8241260051727295
Val acc: 58.7586, Test acc: 56.7372
Best Epoch 186,Val 58.8557, Test 56.7443
1.1608293409078894 0.066232494642617
Epoch 200, Time(s): 22.2811, estimated train loss 1.1083, acc 65.8674
Time: 1.4365949630737305, Val loss: 2.524048089981079, Test loss: 2.825190305709839
Val acc: 58.6677, Test acc: 56.7539
Best Epoch 186,Val 58.8557, Test 56.7443
1.1587625825908823 0.06717341146628622
Epoch 201, Time(s): 22.3024, estimated train loss 1.1074, acc 65.9042
Time: 1.388800859451294, Val loss: 2.509918451309204, Test loss: 2.797663688659668
Val acc: 58.6738, Test acc: 56.7276
Best Epoch 186,Val 58.8557, Test 56.7443
1.1572431577763087 0.06567181269047966
Epoch 202, Time(s): 22.2947, estimated train loss 1.1045, acc 65.9467
Time: 1.446883201599121, Val loss: 2.5224649906158447, Test loss: 2.8147034645080566
Val acc: 58.7786, Test acc: 56.7348
Best Epoch 186,Val 58.8557, Test 56.7443
1.1582499927198384 0.06525034069175452
Epoch 203, Time(s): 22.1149, estimated train loss 1.1049, acc 65.9379

Time: 1.3499755859375, Val loss: 2.5053093433380127, Test loss: 2.795837640762329
Val acc: 58.5490, Test acc: 56.6466
Best Epoch 186,Val 58.8557, Test 56.7443
1.156450758517628 0.06547991354280794
Epoch 204, Time(s): 21.7965, estimated train loss 1.1035, acc 65.9532
Time: 1.4936566352844238, Val loss: 2.4455347061157227, Test loss: 2.7293248176574707
Val acc: 58.6723, Test acc: 56.6680
Best Epoch 186,Val 58.8557, Test 56.7443
1.1541939889880972 0.06638027014027179
Epoch 205, Time(s): 22.4880, estimated train loss 1.1025, acc 66.0067
Time: 1.423654317855835, Val loss: 2.531977415084839, Test loss: 2.825856924057007
Val acc: 58.7555, Test acc: 56.8468
Best Epoch 186,Val 58.8557, Test 56.7443
1.1533721903680076 0.06578675940842696
Epoch 206, Time(s): 22.3648, estimated train loss 1.1011, acc 66.0464
Time: 1.3875219821929932, Val loss: 2.5315210819244385, Test loss: 2.8280272483825684
Val acc: 58.7864, Test acc: 56.6537
Best Epoch 186,Val 58.8557, Test 56.7443
1.153104646105162 0.06474034031721908
Epoch 207, Time(s): 22.2970, estimated train loss 1.0998, acc 66.0489
Time: 1.382023811340332, Val loss: 2.5749542713165283, Test loss: 2.8887712955474854
Val acc: 58.6322, Test acc: 56.7396
Best Epoch 186,Val 58.8557, Test 56.7443
1.1518178338735876 0.06657813715053276
Epoch 208, Time(s): 21.9115, estimated train loss 1.1006, acc 65.9706
Time: 1.388291835784912, Val loss: 2.545588970184326, Test loss: 2.8444228172302246
Val acc: 58.8064, Test acc: 56.8325
Best Epoch 186,Val 58.8557, Test 56.7443
1.151655956053398 0.064666364027161
Epoch 209, Time(s): 21.9972, estimated train loss 1.0984, acc 66.0300
Time: 1.5332081317901611, Val loss: 2.4911134243011475, Test loss: 2.7887494564056396
Val acc: 58.6908, Test acc: 56.6323
Best Epoch 186,Val 58.8557, Test 56.7443
1.150797637415604 0.06466203786327805
Epoch 210, Time(s): 22.5232, estimated train loss 1.0976, acc 66.0289
Time: 1.387787103652954, Val loss: 2.5236170291900635, Test loss: 2.8197567462921143
Val acc: 58.6353, Test acc: 56.6299
Best Epoch 186,Val 58.8557, Test 56.7443
1.1487858698401652 0.06511644567822067
Epoch 211, Time(s): 22.5178, estimated train loss 1.0963, acc 66.0721
Time: 1.370595932006836, Val loss: 2.5241341590881348, Test loss: 2.8245925903320312
Val acc: 58.6600, Test acc: 56.6370
Best Epoch 186,Val 58.8557, Test 56.7443
1.1474308950800292 0.06702857978746925

Epoch 212, Time(s): 22.3455, estimated train loss 1.0971, acc 66.1562
Time: 1.3873541355133057, Val loss: 2.496154546737671, Test loss: 2.797372579574585
Val acc: 58.7555, Test acc: 56.6823
Best Epoch 186,Val 58.8557, Test 56.7443
1.1486205282345625 0.06471739704130401
Epoch 213, Time(s): 21.6031, estimated train loss 1.0957, acc 66.1157
Time: 1.508711814880371, Val loss: 2.5190541744232178, Test loss: 2.8119940757751465
Val acc: 58.6754, Test acc: 56.7968
Best Epoch 186,Val 58.8557, Test 56.7443
1.1473528868715528 0.06514544197371308
Epoch 214, Time(s): 21.9886, estimated train loss 1.0950, acc 66.1387
Time: 1.3635516166687012, Val loss: 2.562262773513794, Test loss: 2.870652198791504
Val acc: 58.7340, Test acc: 56.7515
Best Epoch 186,Val 58.8557, Test 56.7443
1.1474004732051366 0.06456304777046325
Epoch 215, Time(s): 22.2542, estimated train loss 1.0945, acc 66.1423
Time: 1.365377426147461, Val loss: 2.5276198387145996, Test loss: 2.833857297897339
Val acc: 58.7093, Test acc: 56.7610
Best Epoch 186,Val 58.8557, Test 56.7443
1.1443973628567978 0.06444627949049775
Epoch 216, Time(s): 22.2253, estimated train loss 1.0917, acc 66.2270
Time: 1.3976247310638428, Val loss: 2.518019676208496, Test loss: 2.8221864700317383
Val acc: 58.6815, Test acc: 56.5560
Best Epoch 186,Val 58.8557, Test 56.7443
1.1456668964574035 0.06551328075813576
Epoch 217, Time(s): 22.3094, estimated train loss 1.0939, acc 66.2302
Time: 1.3570277690887451, Val loss: 2.5006628036499023, Test loss: 2.800393581390381
Val acc: 58.6939, Test acc: 56.6132
Best Epoch 186,Val 58.8557, Test 56.7443
1.143518286691585 0.06526543430879082
Epoch 218, Time(s): 21.6488, estimated train loss 1.0918, acc 66.1879
Time: 1.4558451175689697, Val loss: 2.513140916824341, Test loss: 2.8084921836853027
Val acc: 58.6893, Test acc: 56.7992
Best Epoch 186,Val 58.8557, Test 56.7443
1.1428503318571708 0.06557986733149475
Epoch 219, Time(s): 22.1143, estimated train loss 1.0915, acc 66.2635
Time: 1.378674030303955, Val loss: 2.499281406402588, Test loss: 2.7908120155334473
Val acc: 58.7509, Test acc: 56.6990
Best Epoch 186,Val 58.8557, Test 56.7443
1.1425126203348939 0.06327772938029867
Epoch 220, Time(s): 22.2711, estimated train loss 1.0888, acc 66.2445
Time: 1.4060609340667725, Val loss: 2.550267219543457, Test loss: 2.8564136028289795
Val acc: 58.7432, Test acc: 56.6728
Best Epoch 186,Val 58.8557, Test 56.7443

1.1399783869864235 0.06367856584174532
Epoch 221, Time(s): 22.3874, estimated train loss 1.0869, acc 66.3801
Time: 1.3836817741394043, Val loss: 2.5596892833709717, Test loss: 2.8693201541900635
Val acc: 58.7031, Test acc: 56.7038
Best Epoch 186,Val 58.8557, Test 56.7443
1.1385868586285013 0.06430687576952115
Epoch 222, Time(s): 22.2967, estimated train loss 1.0863, acc 66.3115
Time: 1.3259527683258057, Val loss: 2.518751382827759, Test loss: 2.8209824562072754
Val acc: 58.7694, Test acc: 56.6704
Best Epoch 186,Val 58.8557, Test 56.7443
1.139369998179691 0.06424666169873426
Epoch 223, Time(s): 21.5646, estimated train loss 1.0870, acc 66.3380
Time: 1.4597039222717285, Val loss: 2.580308198928833, Test loss: 2.8906970024108887
Val acc: 58.7524, Test acc: 56.6704
Best Epoch 186,Val 58.8557, Test 56.7443
1.1389168635220595 0.06352520351048926
Epoch 224, Time(s): 22.3850, estimated train loss 1.0858, acc 66.3326
Time: 1.3888440132141113, Val loss: 2.5548505783081055, Test loss: 2.868838310241699
Val acc: 58.7709, Test acc: 56.5989
Best Epoch 186,Val 58.8557, Test 56.7443
1.1389342781523584 0.06387567651313796
Epoch 225, Time(s): 22.2700, estimated train loss 1.0862, acc 66.3248
Time: 1.3972396850585938, Val loss: 2.5619335174560547, Test loss: 2.873121976852417
Val acc: 58.6338, Test acc: 56.6179
Best Epoch 186,Val 58.8557, Test 56.7443
1.1373718540433426 0.0641467191908561
Epoch 226, Time(s): 22.6593, estimated train loss 1.0851, acc 66.3709
Time: 1.445542335510254, Val loss: 2.5166149139404297, Test loss: 2.8097591400146484
Val acc: 58.8064, Test acc: 56.6990
Best Epoch 186,Val 58.8557, Test 56.7443
1.1361087611023808 0.06328145393603285
Epoch 227, Time(s): 24.8800, estimated train loss 1.0830, acc 66.3676
Time: 1.579430341720581, Val loss: 2.5888848304748535, Test loss: 2.903695583343506
Val acc: 58.5690, Test acc: 56.6728
Best Epoch 186,Val 58.8557, Test 56.7443
1.1346886460210237 0.06431642132745662
Epoch 228, Time(s): 25.0782, estimated train loss 1.0829, acc 66.3928
Time: 1.5919392108917236, Val loss: 2.583690881729126, Test loss: 2.8941900730133057
Val acc: 58.5937, Test acc: 56.6895
Best Epoch 186,Val 58.8557, Test 56.7443
1.1345249296913684 0.06324678654192199
Epoch 229, Time(s): 24.6942, estimated train loss 1.0816, acc 66.4410
Time: 1.5746660232543945, Val loss: 2.556119203567505, Test loss: 2.8606584072113037
Val acc: 58.7170, Test acc: 56.7753

Best Epoch 186,Val 58.8557, Test 56.7443
1.1339157181726376 0.06293201205176367
Epoch 230, Time(s): 24.3692, estimated train loss 1.0807, acc 66.4645
Time: 1.5342273712158203, Val loss: 2.5584909915924072, Test loss: 2.869497060775757
Val acc: 58.6893, Test acc: 56.7729
Best Epoch 186,Val 58.8557, Test 56.7443
1.1331791525155726 0.06358956382937835
Epoch 231, Time(s): 24.6857, estimated train loss 1.0807, acc 66.5034
Time: 1.4757797718048096, Val loss: 2.5348877906799316, Test loss: 2.8374996185302734
Val acc: 58.6492, Test acc: 56.6275
Best Epoch 186,Val 58.8557, Test 56.7443
1.1343155192657255 0.06450480175480036
Epoch 232, Time(s): 24.0417, estimated train loss 1.0827, acc 66.4276
Time: 1.4794251918792725, Val loss: 2.6057522296905518, Test loss: 2.9229800701141357
Val acc: 58.6307, Test acc: 56.5917
Best Epoch 186,Val 58.8557, Test 56.7443
1.1303669953010451 0.06381772930773211
Epoch 233, Time(s): 23.6510, estimated train loss 1.0785, acc 66.4789
Time: 1.4950447082519531, Val loss: 2.565281391143799, Test loss: 2.8712005615234375
Val acc: 58.5891, Test acc: 56.7491
Best Epoch 186,Val 58.8557, Test 56.7443
1.1311279669613905 0.06301714758008299
Epoch 234, Time(s): 24.3350, estimated train loss 1.0783, acc 66.5598
Time: 1.4376888275146484, Val loss: 2.6000349521636963, Test loss: 2.925090789794922
Val acc: 58.7262, Test acc: 56.6799
Best Epoch 186,Val 58.8557, Test 56.7443
1.128981351852417 0.06308587871386971
Epoch 235, Time(s): 23.0404, estimated train loss 1.0765, acc 66.5514
Time: 1.478748083114624, Val loss: 2.5357985496520996, Test loss: 2.837311029434204
Val acc: 58.8156, Test acc: 56.8039
Best Epoch 186,Val 58.8557, Test 56.7443
1.1294357306520704 0.06265537104976009
Epoch 236, Time(s): 23.9698, estimated train loss 1.0764, acc 66.5588
Time: 1.4359173774719238, Val loss: 2.5402960777282715, Test loss: 2.849045991897583
Val acc: 58.7463, Test acc: 56.7062
Best Epoch 186,Val 58.8557, Test 56.7443
1.1277663371932338 0.06343220809186009
Epoch 237, Time(s): 23.4873, estimated train loss 1.0757, acc 66.5914
Time: 1.474078893661499, Val loss: 2.606001377105713, Test loss: 2.9271068572998047
Val acc: 58.6523, Test acc: 56.5679
Best Epoch 186,Val 58.8557, Test 56.7443
1.1278880129397755 0.06267905214302977
Epoch 238, Time(s): 23.6842, estimated train loss 1.0751, acc 66.5469
Time: 1.4533905982971191, Val loss: 2.5329885482788086, Test loss: 2.838078260421753

Val acc: 58.6538, Test acc: 56.6179
Best Epoch 186,Val 58.8557, Test 56.7443
1.1252858588393306 0.0626150427884619
Epoch 239, Time(s): 23.6368, estimated train loss 1.0726, acc 66.6419
Time: 1.4177687168121338, Val loss: 2.6040024757385254, Test loss: 2.9136242866516113
Val acc: 58.5367, Test acc: 56.5750
Best Epoch 186,Val 58.8557, Test 56.7443
1.1278252215452598 0.06273205678018046
Epoch 240, Time(s): 22.9725, estimated train loss 1.0750, acc 66.5652
Time: 1.4738688468933105, Val loss: 2.5888469219207764, Test loss: 2.9000024795532227
Val acc: 58.6476, Test acc: 56.6251
Best Epoch 186,Val 58.8557, Test 56.7443
1.1249107676492611 0.0630562329586123
Epoch 241, Time(s): 23.4843, estimated train loss 1.0728, acc 66.6700
Time: 1.4019758701324463, Val loss: 2.5857670307159424, Test loss: 2.906569719314575
Val acc: 58.7848, Test acc: 56.6990
Best Epoch 186,Val 58.8557, Test 56.7443
1.1229181826954158 0.06298550475441234
Epoch 242, Time(s): 22.3390, estimated train loss 1.0709, acc 66.6983
Time: 1.4330501556396484, Val loss: 2.6219465732574463, Test loss: 2.93682599067688
Val acc: 58.6122, Test acc: 56.5583
Best Epoch 186,Val 58.8557, Test 56.7443
1.1242314812163232 0.0615390007659583
Epoch 243, Time(s): 22.1751, estimated train loss 1.0706, acc 66.7094
Time: 1.438075065612793, Val loss: 2.568131923675537, Test loss: 2.8748481273651123
Val acc: 58.7617, Test acc: 56.6799
Best Epoch 186,Val 58.8557, Test 56.7443
1.12241577766311 0.06249299687398991
Epoch 244, Time(s): 22.7848, estimated train loss 1.0699, acc 66.6616
Time: 1.3902931213378906, Val loss: 2.5756380558013916, Test loss: 2.878783941268921
Val acc: 58.7663, Test acc: 56.6919
Best Epoch 186,Val 58.8557, Test 56.7443
1.1218680579897384 0.06134325071749553
Epoch 245, Time(s): 22.5500, estimated train loss 1.0682, acc 66.6700
Time: 1.3593952655792236, Val loss: 2.5832486152648926, Test loss: 2.9038138389587402
Val acc: 58.7047, Test acc: 56.4820
Best Epoch 186,Val 58.8557, Test 56.7443
1.120949238118991 0.06282278150320053
Epoch 246, Time(s): 21.6991, estimated train loss 1.0690, acc 66.7505
Time: 1.4855751991271973, Val loss: 2.5966122150421143, Test loss: 2.913249969482422
Val acc: 58.7540, Test acc: 56.7539
Best Epoch 186,Val 58.8557, Test 56.7443
1.119610909005286 0.06325800517495249
Epoch 247, Time(s): 22.5239, estimated train loss 1.0682, acc 66.8365

Time: 1.3892009258270264, Val loss: 2.6274471282958984, Test loss: 2.9462695121765137
Val acc: 58.6769, Test acc: 56.6060
Best Epoch 186,Val 58.8557, Test 56.7443
1.1205028312307008 0.06209775600844706
Epoch 248, Time(s): 22.7227, estimated train loss 1.0678, acc 66.7777
Time: 1.3980352878570557, Val loss: 2.589573860168457, Test loss: 2.8960049152374268
Val acc: 58.7047, Test acc: 56.6585
Best Epoch 186,Val 58.8557, Test 56.7443
1.1205197186537192 0.06262462334313863
Epoch 249, Time(s): 22.5399, estimated train loss 1.0684, acc 66.7723
Time: 1.3540146350860596, Val loss: 2.6156115531921387, Test loss: 2.9209775924682617
Val acc: 58.7216, Test acc: 56.7849
Best Epoch 186,Val 58.8557, Test 56.7443
1.118138439218763 0.062281484492647816
Epoch 250, Time(s): 21.7012, estimated train loss 1.0659, acc 66.8409
Time: 1.4525501728057861, Val loss: 2.6135916709899902, Test loss: 2.9290828704833984
Val acc: 58.6368, Test acc: 56.6919
Best Epoch 186,Val 58.8557, Test 56.7443
1.118030091406594 0.0621583593458357
Epoch 251, Time(s): 22.3649, estimated train loss 1.0657, acc 66.7397
Time: 1.396798849105835, Val loss: 2.646237850189209, Test loss: 2.975402355194092
Val acc: 58.5690, Test acc: 56.5726
Best Epoch 186,Val 58.8557, Test 56.7443
1.1190777580503006 0.06197477509857903
Epoch 252, Time(s): 22.4740, estimated train loss 1.0664, acc 66.7501
Time: 1.4266669750213623, Val loss: 2.5765252113342285, Test loss: 2.88810658454895
Val acc: 58.7340, Test acc: 56.7086
Best Epoch 186,Val 58.8557, Test 56.7443
1.1167858872615115 0.06143725836570834
Epoch 253, Time(s): 22.3075, estimated train loss 1.0638, acc 66.8765
Time: 1.3919429779052734, Val loss: 2.600069999694824, Test loss: 2.915912628173828
Val acc: 58.7047, Test acc: 56.6370
Best Epoch 186,Val 58.8557, Test 56.7443
1.1148305056800305 0.06228817411711518
Epoch 254, Time(s): 22.4735, estimated train loss 1.0629, acc 66.8719
Time: 1.3716108798980713, Val loss: 2.5871355533599854, Test loss: 2.890944719314575
Val acc: 58.7833, Test acc: 56.7777
Best Epoch 186,Val 58.8557, Test 56.7443
1.1145711532780822 0.06234089552726544
Epoch 255, Time(s): 21.7791, estimated train loss 1.0628, acc 66.8155
Time: 1.4716591835021973, Val loss: 2.5914113521575928, Test loss: 2.9065330028533936
Val acc: 58.7694, Test acc: 56.6871
Best Epoch 186,Val 58.8557, Test 56.7443
1.1138587165886247 0.061303850210888286

Epoch 256, Time(s): 22.3993, estimated train loss 1.0610, acc 66.8444
Time: 1.4128875732421875, Val loss: 2.639235019683838, Test loss: 2.956173896789551
Val acc: 58.6045, Test acc: 56.7205
Best Epoch 186,Val 58.8557, Test 56.7443
1.113496075213795 0.06171223710120564
Epoch 257, Time(s): 22.5968, estimated train loss 1.0611, acc 66.9229
Time: 1.4036517143249512, Val loss: 2.601170301437378, Test loss: 2.9162302017211914
Val acc: 58.6106, Test acc: 56.6323
Best Epoch 186,Val 58.8557, Test 56.7443
1.113112684706567 0.060886138814016125
Epoch 258, Time(s): 22.3488, estimated train loss 1.0599, acc 66.8654
Time: 1.368877649307251, Val loss: 2.6011178493499756, Test loss: 2.9207656383514404
Val acc: 58.6122, Test acc: 56.6299
Best Epoch 186,Val 58.8557, Test 56.7443
1.1129624810017331 0.06113468393893309
Epoch 259, Time(s): 22.0724, estimated train loss 1.0601, acc 66.9071
Time: 1.3845624923706055, Val loss: 2.583353281021118, Test loss: 2.891934633255005
Val acc: 58.6461, Test acc: 56.5726
Best Epoch 186,Val 58.8557, Test 56.7443
1.1123182068408375 0.06191569309629185
Epoch 260, Time(s): 22.0383, estimated train loss 1.0603, acc 66.9613
Time: 1.4655921459197998, Val loss: 2.587869882583618, Test loss: 2.9046316146850586
Val acc: 58.7571, Test acc: 56.6251
Best Epoch 186,Val 58.8557, Test 56.7443
1.1097847575872717 0.06086682753873543
Epoch 261, Time(s): 22.4713, estimated train loss 1.0569, acc 66.9364
Time: 1.3918938636779785, Val loss: 2.6472530364990234, Test loss: 2.9654290676116943
Val acc: 58.6384, Test acc: 56.5488
Best Epoch 186,Val 58.8557, Test 56.7443
1.1101438948805904 0.060575912273685695
Epoch 262, Time(s): 22.3942, estimated train loss 1.0569, acc 66.9315
Time: 1.3849353790283203, Val loss: 2.666891574859619, Test loss: 3.0044617652893066
Val acc: 58.7864, Test acc: 56.6537
Best Epoch 186,Val 58.8557, Test 56.7443
1.1094302711352495 0.06071755956386177
Epoch 263, Time(s): 22.4268, estimated train loss 1.0565, acc 66.9295
Time: 1.3356561660766602, Val loss: 2.5970263481140137, Test loss: 2.912760019302368
Val acc: 58.7463, Test acc: 56.6394
Best Epoch 186,Val 58.8557, Test 56.7443
1.1096017377477296 0.06014776938188244
Epoch 264, Time(s): 21.6906, estimated train loss 1.0560, acc 66.9037
Time: 1.4324500560760498, Val loss: 2.64597749710083, Test loss: 2.96854829788208
Val acc: 58.8326, Test acc: 56.7038
Best Epoch 186,Val 58.8557, Test 56.7443

1.1090408563613892 0.06057108576658746
Epoch 265, Time(s): 22.3782, estimated train loss 1.0560, acc 66.9797
Time: 1.4060096740722656, Val loss: 2.629335641860962, Test loss: 2.954684257507324
Val acc: 58.7925, Test acc: 56.7205
Best Epoch 186,Val 58.8557, Test 56.7443
1.1071939535543953 0.06118648703879034
Epoch 266, Time(s): 22.4360, estimated train loss 1.0550, acc 67.0538
Time: 1.362504005432129, Val loss: 2.634735107421875, Test loss: 2.9587671756744385
Val acc: 58.7663, Test acc: 56.6871
Best Epoch 186,Val 58.8557, Test 56.7443
1.1089078624483566 0.061628963483471265
Epoch 267, Time(s): 22.4394, estimated train loss 1.0570, acc 67.0120
Time: 1.3613617420196533, Val loss: 2.622720718383789, Test loss: 2.931767225265503
Val acc: 58.7093, Test acc: 56.7300
Best Epoch 186,Val 58.8557, Test 56.7443
1.1047702507233956 0.06127656366623623
Epoch 268, Time(s): 22.0045, estimated train loss 1.0529, acc 67.0862
Time: 1.380793571472168, Val loss: 2.6257717609405518, Test loss: 2.9403746128082275
Val acc: 58.7540, Test acc: 56.6847
Best Epoch 186,Val 58.8557, Test 56.7443
1.1069721571156677 0.060278011774513085
Epoch 269, Time(s): 22.0433, estimated train loss 1.0538, acc 67.0523
Time: 1.4633381366729736, Val loss: 2.635040760040283, Test loss: 2.9524331092834473
Val acc: 58.8835, Test acc: 56.7920
Best Epoch 269,Val 58.8835, Test 56.7920
1.1048296824307509 0.05982148043916259
Epoch 270, Time(s): 22.5342, estimated train loss 1.0514, acc 67.0800
Time: 1.3851845264434814, Val loss: 2.59507036209106455, Test loss: 2.902172803878784
Val acc: 58.5921, Test acc: 56.6299
Best Epoch 269,Val 58.8835, Test 56.7920
1.104384826942229 0.06075223881593892
Epoch 271, Time(s): 22.5656, estimated train loss 1.0520, acc 67.0943
Time: 1.3958325386047363, Val loss: 2.5523314476013184, Test loss: 2.865846872329712
Val acc: 58.8203, Test acc: 56.6990
Best Epoch 269,Val 58.8835, Test 56.7920
1.1032139969543673 0.0608565489381132
Epoch 272, Time(s): 22.6658, estimated train loss 1.0510, acc 67.1813
Time: 1.4289653301239014, Val loss: 2.6312999725341797, Test loss: 2.9542558193206787
Val acc: 58.6846, Test acc: 56.7038
Best Epoch 269,Val 58.8835, Test 56.7920
1.1041038607207823 0.06070221619496883
Epoch 273, Time(s): 21.7693, estimated train loss 1.0517, acc 67.1321
Time: 1.4784398078918457, Val loss: 2.6043319702148438, Test loss: 2.923923969268799
Val acc: 58.7108, Test acc: 56.7658

Best Epoch 269,Val 58.8835, Test 56.7920
1.100897404509531 0.061749291252082505
Epoch 274, Time(s): 22.0335, estimated train loss 1.0499, acc 67.1710
Time: 1.368560791015625, Val loss: 2.605102777481079, Test loss: 2.9189023971557617
Val acc: 58.6723, Test acc: 56.7562
Best Epoch 269,Val 58.8835, Test 56.7920
1.102902246193147 0.0612187701946413
Epoch 275, Time(s): 22.3149, estimated train loss 1.0512, acc 67.1735
Time: 1.4028873443603516, Val loss: 2.6470398902893066, Test loss: 2.976804256439209
Val acc: 58.9729, Test acc: 56.7443
Best Epoch 275,Val 58.9729, Test 56.7443
1.1028441761580992 0.05934346430528332
Epoch 276, Time(s): 22.3739, estimated train loss 1.0491, acc 67.1241
Time: 1.4109055995941162, Val loss: 2.6480538845062256, Test loss: 2.972592830657959
Val acc: 58.6954, Test acc: 56.6942
Best Epoch 275,Val 58.9729, Test 56.7443
1.1000163588725345 0.06158942104855054
Epoch 277, Time(s): 22.2732, estimated train loss 1.0490, acc 67.1931
Time: 1.3444905281066895, Val loss: 2.619462013244629, Test loss: 2.9399001598358154
Val acc: 58.7709, Test acc: 56.5917
Best Epoch 275,Val 58.9729, Test 56.7443
1.1001097820174526 0.06021565010010357
Epoch 278, Time(s): 21.5695, estimated train loss 1.0476, acc 67.2355
Time: 1.4180424213409424, Val loss: 2.614980697631836, Test loss: 2.9306981563568115
Val acc: 58.7509, Test acc: 56.6251
Best Epoch 275,Val 58.9729, Test 56.7443
1.0966640660460567 0.0596035639165153
Epoch 279, Time(s): 22.2614, estimated train loss 1.0439, acc 67.2736
Time: 1.3976430892944336, Val loss: 2.6666207313537598, Test loss: 2.9779715538024902
Val acc: 58.6738, Test acc: 56.8230
Best Epoch 275,Val 58.9729, Test 56.7443
1.0980176354797793 0.05818262559847093
Epoch 280, Time(s): 22.3341, estimated train loss 1.0436, acc 67.2988
Time: 1.357071876525879, Val loss: 2.649667501449585, Test loss: 2.9710912704467773
Val acc: 58.6677, Test acc: 56.5178
Best Epoch 275,Val 58.9729, Test 56.7443
1.0963071551121457 0.06011289867087149
Epoch 281, Time(s): 22.3211, estimated train loss 1.0441, acc 67.2606
Time: 1.3758411407470703, Val loss: 2.629283905029297, Test loss: 2.9434967041015625
Val acc: 58.7956, Test acc: 56.7658
Best Epoch 275,Val 58.9729, Test 56.7443
1.0984237680972462 0.059646594220064054
Epoch 282, Time(s): 22.1666, estimated train loss 1.0455, acc 67.2020
Time: 1.3590037822723389, Val loss: 2.66915225982666, Test loss: 2.9875612258911133

Val acc: 58.8172, Test acc: 56.7753
Best Epoch 275,Val 58.9729, Test 56.7443
1.0961426597245982 0.059953821062202185
Epoch 283, Time(s): 21.5907, estimated train loss 1.0438, acc 67.3081
Time: 1.5209498405456543, Val loss: 2.595116376876831, Test loss: 2.8958353996276855
Val acc: 58.8434, Test acc: 56.8850
Best Epoch 275,Val 58.9729, Test 56.7443
1.0972816977702395 0.05998563614319748
Epoch 284, Time(s): 22.3888, estimated train loss 1.0448, acc 67.2377
Time: 1.4270312786102295, Val loss: 2.6451356410980225, Test loss: 2.9674854278564453
Val acc: 58.7478, Test acc: 56.6895
Best Epoch 275,Val 58.9729, Test 56.7443
1.0974087547248519 0.05807684461625529
Epoch 285, Time(s): 22.5527, estimated train loss 1.0429, acc 67.2718
Time: 1.3852815628051758, Val loss: 2.6092612743377686, Test loss: 2.9276697635650635
Val acc: 58.7062, Test acc: 56.7682
Best Epoch 275,Val 58.9729, Test 56.7443
1.0955534098853528 0.060717534063987326
Epoch 286, Time(s): 22.5576, estimated train loss 1.0441, acc 67.2572
Time: 1.3829469680786133, Val loss: 2.6517393589019775, Test loss: 2.973175048828125
Val acc: 58.6276, Test acc: 56.7825
Best Epoch 275,Val 58.9729, Test 56.7443
1.0947776210140174 0.05923332163775471
Epoch 287, Time(s): 22.0960, estimated train loss 1.0418, acc 67.3663
Time: 1.3671679496765137, Val loss: 2.6646759510040283, Test loss: 2.992393970489502
Val acc: 58.6615, Test acc: 56.7205
Best Epoch 275,Val 58.9729, Test 56.7443
1.0936641877805684 0.060206490713106076
Epoch 288, Time(s): 21.8844, estimated train loss 1.0418, acc 67.3165
Time: 1.4667041301727295, Val loss: 2.623228073120117, Test loss: 2.939255714416504
Val acc: 58.7262, Test acc: 56.6728
Best Epoch 275,Val 58.9729, Test 56.7443
1.0945612494374666 0.05865575939836636
Epoch 289, Time(s): 22.1944, estimated train loss 1.0410, acc 67.3562
Time: 1.3784785270690918, Val loss: 2.6597843170166016, Test loss: 2.986441135406494
Val acc: 58.7293, Test acc: 56.6489
Best Epoch 275,Val 58.9729, Test 56.7443
1.0915261624564587 0.05941141842746399
Epoch 290, Time(s): 22.4316, estimated train loss 1.0391, acc 67.4008
Time: 1.3816897869110107, Val loss: 2.631739616394043, Test loss: 2.9504261016845703
Val acc: 58.8233, Test acc: 56.6060
Best Epoch 275,Val 58.9729, Test 56.7443
1.0934307121894729 0.05917042131784936
Epoch 291, Time(s): 22.3466, estimated train loss 1.0405, acc 67.3983

Time: 1.370415210723877, Val loss: 2.6020336151123047, Test loss: 2.91267728805542
Val acc: 58.6430, Test acc: 56.6609
Best Epoch 275,Val 58.9729, Test 56.7443
1.091661038533063 0.06049620470320675
Epoch 292, Time(s): 21.9944, estimated train loss 1.0403, acc 67.3938
Time: 1.360321044921875, Val loss: 2.643845319747925, Test loss: 2.955360174179077
Val acc: 58.6939, Test acc: 56.6632
Best Epoch 275,Val 58.9729, Test 56.7443
1.0911589222894589 0.05995551082240024
Epoch 293, Time(s): 21.9290, estimated train loss 1.0393, acc 67.3870
Time: 1.4117422103881836, Val loss: 2.6509623527526855, Test loss: 2.969696044921875
Val acc: 58.7956, Test acc: 56.7276
Best Epoch 275,Val 58.9729, Test 56.7443
1.0900752913783973 0.058999246484796763
Epoch 294, Time(s): 22.2380, estimated train loss 1.0373, acc 67.4599
Time: 1.3781206607818604, Val loss: 2.672234058380127, Test loss: 2.9994423389434814
Val acc: 58.6677, Test acc: 56.6513
Best Epoch 275,Val 58.9729, Test 56.7443
1.0901321139134152 0.05956982265056019
Epoch 295, Time(s): 22.3615, estimated train loss 1.0380, acc 67.4464
Time: 1.38250732421875, Val loss: 2.6852188110351562, Test loss: 3.014082193374634
Val acc: 58.7417, Test acc: 56.7300
Best Epoch 275,Val 58.9729, Test 56.7443
1.0885923294953896 0.058836234864634525
Epoch 296, Time(s): 22.4059, estimated train loss 1.0358, acc 67.4686
Time: 1.3632152080535889, Val loss: 2.618215560913086, Test loss: 2.927626848220825
Val acc: 58.7278, Test acc: 56.6323
Best Epoch 275,Val 58.9729, Test 56.7443
1.0884220566548093 0.05848828519523983
Epoch 297, Time(s): 21.7167, estimated train loss 1.0353, acc 67.4377
Time: 1.430727481842041, Val loss: 2.703230857849121, Test loss: 3.0257232189178467
Val acc: 58.6353, Test acc: 56.5965
Best Epoch 275,Val 58.9729, Test 56.7443
1.0876457053171078 0.058084666519097876
Epoch 298, Time(s): 21.9600, estimated train loss 1.0342, acc 67.5361
Time: 1.4244732856750488, Val loss: 2.647362232208252, Test loss: 2.9777722358703613
Val acc: 58.7139, Test acc: 56.5893
Best Epoch 275,Val 58.9729, Test 56.7443
1.0853061709605472 0.05838952355191741
Epoch 299, Time(s): 22.2273, estimated train loss 1.0324, acc 67.5492
Time: 1.3518836498260498, Val loss: 2.659102439880371, Test loss: 2.9830899238586426
Val acc: 58.7555, Test acc: 56.6895
Best Epoch 275,Val 58.9729, Test 56.7443
Best Epoch 275, Val 58.9729, Test 56.7443

100%|████████████| 74/74 [00:12<00:00, 5.79it/s]