Starting PBT ViT Experiment with Timing...
Note: This will train ViT-Small models on CIFAR-10
Each member may have different batch sizes

Google Drive not mounted. Mounting now...
Mounted at /content/drive
Using device: cuda
Google Drive already mounted.
/tmp/ipython-input-123503625.py:51: FutureWarning: `torch.cuda.amp.GradScaler(args...)` is deprecated. Please use `torch
  scaler = torch.cuda.amp.GradScaler(enabled=torch.cuda.is_available())
Starting PBT Training for ViT-Small...
Population size: 5
Total epochs: 70
Exploit interval: 5 epochs
Checkpoints will be saved to: /content/drive/MyDrive/Colab_Checkpoints

==
Epoch 1/70
==

--- Training Member 0 (Batch size: 256) ---
■ 0%| | 0.00/170M [00:00<?, ?B/s]■ 0%| | 65.5k/170M [00:00<05:10, 549kB/s]■ 0%| | 229k/170M [00:00
built data in 7.770646572113037 seconds
/tmp/ipython-input-2963768052.py:694: FutureWarning: `torch.cuda.amp.autocast(args...)` is deprecated. Please use `torch
  with torch.cuda.amp.autocast(enabled=torch.cuda.is_available()):
 LR changed during epoch: 1.93e-07 -> 3.81e-05
total runtime to train this model was 25.172658443450928 seconds
Hyperparameteres for model 0 at epoch 1
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.30758866767960447

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1799638271331787 seconds
  Loss: 2.0642
  Train Accuracy: 23.07%
  Test Accuracy: 29.52%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6206345558166504 seconds
 LR changed during epoch: 2.66e-07 -> 5.25e-05
total runtime to train this model was 24.660900354385376 seconds
Hyperparameteres for model 1 at epoch 1
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3230767250061035 seconds
  Loss: 2.0305
  Train Accuracy: 24.00%
  Test Accuracy: 30.60%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5109024047851562 seconds
 LR changed during epoch: 4.75e-07 -> 9.36e-05
total runtime to train this model was 25.395849466323853 seconds
Hyperparameteres for model 2 at epoch 1
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2139053344726562 seconds
  Loss: 2.0152
  Train Accuracy: 24.97%
  Test Accuracy: 30.56%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.564115047454834 seconds
 LR changed during epoch: 3.22e-07 -> 6.34e-05
total runtime to train this model was 25.41340398788452 seconds
Hyperparameteres for model 3 at epoch 1
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.208582878112793 seconds
  Loss: 2.0219
  Train Accuracy: 24.33%
  Test Accuracy: 29.67%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6734743118286133 seconds
 LR changed during epoch: 3.64e-07 -> 7.17e-05
total runtime to train this model was 24.628854990005493 seconds
Hyperparameteres for model 4 at epoch 1
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.023756265640259 seconds
  Loss: 2.0277
  Train Accuracy: 24.49%
  Test Accuracy: 30.00%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 1 Summary:
==
Time: 169.47s (Avg member: 33.89s)
Population Mean Accuracy: 30.07%
Best Member Accuracy: 30.60%
Mean Batch Size: 256
Mean Learning Rate: 3.18e-04
Mean Weight Decay: 0.102

==
Epoch 2/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5648455619812012 seconds
 LR changed during epoch: 3.81e-05 -> 7.60e-05
total runtime to train this model was 25.54142475128174 seconds
Hyperparameteres for model 0 at epoch 2
lr: 0.00018940993676645819

weight_decay: 0.09616745871263249

drop_path: 0.30758866767960447

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.260882616043091 seconds
  Loss: 1.8429
  Train Accuracy: 31.83%
  Test Accuracy: 35.07%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5632803440093994 seconds
 LR changed during epoch: 5.25e-05 -> 1.05e-04
total runtime to train this model was 25.440596342086792 seconds
Hyperparameteres for model 1 at epoch 2
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1757664680480957 seconds
  Loss: 1.8292
  Train Accuracy: 32.04%
  Test Accuracy: 33.98%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5607233047485352 seconds
 LR changed during epoch: 9.36e-05 -> 1.87e-04
total runtime to train this model was 25.36771845817566 seconds
Hyperparameteres for model 2 at epoch 2
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2148420810699463 seconds
  Loss: 1.7784
  Train Accuracy: 33.73%
  Test Accuracy: 35.54%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6825008392333984 seconds
 LR changed during epoch: 6.34e-05 -> 1.27e-04
total runtime to train this model was 24.684391260147095 seconds
Hyperparameteres for model 3 at epoch 2
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.910284996032715 seconds
  Loss: 1.8156
  Train Accuracy: 32.68%
  Test Accuracy: 34.70%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7218332290649414 seconds
 LR changed during epoch: 7.17e-05 -> 1.43e-04
total runtime to train this model was 23.782532930374146 seconds

Hyperparameteres for model 4 at epoch 2
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.391777992248535 seconds
  Loss: 1.8101
  Train Accuracy: 33.14%
  Test Accuracy: 35.74%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 2 Summary:
==
Time: 147.07s (Avg member: 29.41s)
Population Mean Accuracy: 35.01%
Best Member Accuracy: 35.74%
Mean Batch Size: 256
Mean Learning Rate: 3.18e-04
Mean Weight Decay: 0.102

==
Epoch 3/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5799598693847656 seconds
 LR changed during epoch: 7.60e-05 -> 1.14e-04
total runtime to train this model was 24.83254075050354 seconds
Hyperparameteres for model 0 at epoch 3
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.30758866767960447

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3354732990264893 seconds
  Loss: 1.7525
  Train Accuracy: 34.96%
  Test Accuracy: 33.87%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5618040561676025 seconds
 LR changed during epoch: 1.05e-04 -> 1.57e-04
total runtime to train this model was 25.046680212020874 seconds
Hyperparameteres for model 1 at epoch 3
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.224586248397827 seconds
  Loss: 1.7268
  Train Accuracy: 35.85%
  Test Accuracy: 37.12%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5914843082427979 seconds
 LR changed during epoch: 1.87e-04 -> 2.80e-04
total runtime to train this model was 24.872406482696533 seconds
Hyperparameteres for model 2 at epoch 3
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.187878370285034 seconds
  Loss: 1.6626
  Train Accuracy: 38.24%
  Test Accuracy: 42.47%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.55649733543396 seconds
 LR changed during epoch: 1.27e-04 -> 1.90e-04
total runtime to train this model was 24.94621467590332 seconds
Hyperparameteres for model 3 at epoch 3
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.29795241355896 seconds
  Loss: 1.7078
  Train Accuracy: 37.06%
  Test Accuracy: 36.30%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.556276798248291 seconds
 LR changed during epoch: 1.43e-04 -> 2.14e-04
total runtime to train this model was 25.420552015304565 seconds
Hyperparameteres for model 4 at epoch 3
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2509732246398926 seconds
  Loss: 1.7005
  Train Accuracy: 37.29%
  Test Accuracy: 36.63%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 3 Summary:
==
Time: 145.39s (Avg member: 29.08s)
Population Mean Accuracy: 37.28%
Best Member Accuracy: 42.47%
Mean Batch Size: 256
Mean Learning Rate: 3.18e-04
Mean Weight Decay: 0.102

==
Epoch 4/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5634040832519531 seconds
 LR changed during epoch: 1.14e-04 -> 1.52e-04
total runtime to train this model was 24.81088638305664 seconds
Hyperparameteres for model 0 at epoch 4
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.30758866767960447

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1826488971710205 seconds
  Loss: 1.6712
  Train Accuracy: 38.34%
  Test Accuracy: 38.57%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---

built data in 1.6334517002105713 seconds
 LR changed during epoch: 1.57e-04 -> 2.09e-04
total runtime to train this model was 24.681642532348633 seconds
Hyperparameteres for model 1 at epoch 4
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1401262283325195 seconds
  Loss: 1.6301
  Train Accuracy: 40.02%
  Test Accuracy: 43.94%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6694409847259521 seconds
 LR changed during epoch: 2.80e-04 -> 3.73e-04
total runtime to train this model was 24.26616859436035 seconds
Hyperparameteres for model 2 at epoch 4
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5769591331481934 seconds
  Loss: 1.5589
  Train Accuracy: 42.75%
  Test Accuracy: 46.89%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7302534580230713 seconds
 LR changed during epoch: 1.90e-04 -> 2.53e-04
total runtime to train this model was 23.924076080322266 seconds
Hyperparameteres for model 3 at epoch 4
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.338408946990967 seconds

Loss: 1.6028
  Train Accuracy: 40.95%
  Test Accuracy: 43.52%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5637271404266357 seconds
 LR changed during epoch: 2.14e-04 -> 2.86e-04
total runtime to train this model was 24.541735410690308 seconds
Hyperparameteres for model 4 at epoch 4
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.821211099624634 seconds
  Loss: 1.5999
  Train Accuracy: 41.18%
  Test Accuracy: 43.88%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 4 Summary:
==
Time: 144.72s (Avg member: 28.94s)
Population Mean Accuracy: 43.36%
Best Member Accuracy: 46.89%
Mean Batch Size: 256
Mean Learning Rate: 3.18e-04
Mean Weight Decay: 0.102

==
Epoch 5/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5527832508087158 seconds
 LR changed during epoch: 1.52e-04 -> 1.89e-04
total runtime to train this model was 25.01794171333313 seconds
Hyperparameteres for model 0 at epoch 5
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.30758866767960447

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.207594394683838 seconds
  Loss: 1.5762
  Train Accuracy: 42.22%

Test Accuracy: 43.75%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5710694789886475 seconds
 LR changed during epoch: 2.09e-04 -> 2.61e-04
total runtime to train this model was 24.92490291595459 seconds
Hyperparameteres for model 1 at epoch 5
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.238909959793091 seconds
  Loss: 1.5304
  Train Accuracy: 44.12%
  Test Accuracy: 45.09%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5478603839874268 seconds
 LR changed during epoch: 3.73e-04 -> 4.66e-04
total runtime to train this model was 24.9853298664093 seconds
Hyperparameteres for model 2 at epoch 5
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.236543893814087 seconds
  Loss: 1.4790
  Train Accuracy: 45.98%
  Test Accuracy: 47.21%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.569549560546875 seconds
 LR changed during epoch: 2.53e-04 -> 3.16e-04
total runtime to train this model was 25.14765167236328 seconds
Hyperparameteres for model 3 at epoch 5
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.25989031791687 seconds
  Loss: 1.5036
  Train Accuracy: 45.18%
  Test Accuracy: 46.33%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5586166381835938 seconds
 LR changed during epoch: 2.86e-04 -> 3.57e-04
total runtime to train this model was 25.663044929504395 seconds
Hyperparameteres for model 4 at epoch 5
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3023135662078857 seconds
  Loss: 1.4958
  Train Accuracy: 45.74%
  Test Accuracy: 48.39%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 5) ---

=== PBT Exploit & Explore ===
Top performers: [48.39]
Bottom performers: [43.75]
Member 0: lr changed from 0.00018940993676045819 to 0.0002502213586795585
Member 0: weight_decay changed from 0.09616745871263249 to 0.08121118233594017
Member 0: drop_path changed from 0.30758866767960447 to 0.32647451212245726
Member 0 copied from 4
  LR=2.50e-04, WD=0.081, DropPath=0.326, Warmup=5 epochs, Batch=256

==
Epoch 5 Summary:
==
Time: 146.01s (Avg member: 29.20s)
Population Mean Accuracy: 46.15%
Best Member Accuracy: 48.39%
Mean Batch Size: 256
Mean Learning Rate: 3.30e-04
Mean Weight Decay: 0.099

==
Epoch 6/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6840426921844482 seconds
 LR changed during epoch: 2.55e-07 -> 5.03e-05

total runtime to train this model was 24.8149676322937 seconds
Hyperparameteres for model 0 at epoch 6
lr: 0.0002502213586795585

weight_decay: 0.08121118233594017

drop_path: 0.32647451212245726

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8201212882995605 seconds
 Loss: 1.3793
 Train Accuracy: 49.89%
 Test Accuracy: 51.49%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.7187795639038086 seconds
 LR changed during epoch: 2.61e-04 -> 2.61e-04
total runtime to train this model was 25.13963294029236 seconds
Hyperparameteres for model 1 at epoch 6
lr: 0.00026104577626896696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.379857063293457 seconds
 Loss: 1.4564
 Train Accuracy: 46.94%
 Test Accuracy: 48.31%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.573885440826416 seconds
 LR changed during epoch: 4.66e-04 -> 4.66e-04
total runtime to train this model was 25.95671057701111 seconds
Hyperparameteres for model 2 at epoch 6
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.291468381881714 seconds
 Loss: 1.4192
 Train Accuracy: 48.40%

Test Accuracy: 50.53%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5658624172210693 seconds
 LR changed during epoch: 3.16e-04 -> 3.15e-04
total runtime to train this model was 25.27873992919922 seconds
Hyperparameteres for model 3 at epoch 6
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2124452590942383 seconds
  Loss: 1.4335
  Train Accuracy: 47.61%
  Test Accuracy: 48.45%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5785470008850098 seconds
 LR changed during epoch: 3.57e-04 -> 3.56e-04
total runtime to train this model was 25.514991283416748 seconds
Hyperparameteres for model 4 at epoch 6
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1789820194244385 seconds
  Loss: 1.4287
  Train Accuracy: 48.04%
  Test Accuracy: 50.49%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 6 Summary:
==
Time: 149.03s (Avg member: 29.81s)
Population Mean Accuracy: 49.85%
Best Member Accuracy: 51.49%
Mean Batch Size: 256
Mean Learning Rate: 3.30e-04
Mean Weight Decay: 0.099

==
Epoch 7/70

==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5713400840759277 seconds
 LR changed during epoch: 5.03e-05 -> 1.00e-04
total runtime to train this model was 25.637560844421387 seconds
Hyperparameteres for model 0 at epoch 7
lr: 0.0002502213586795585

weight_decay: 0.08121118233594017

drop_path: 0.32647451212245726

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2088005542755127 seconds
  Loss: 1.3430
  Train Accuracy: 51.54%
  Test Accuracy: 52.31%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.60264253616333 seconds
 LR changed during epoch: 2.61e-04 -> 2.60e-04
total runtime to train this model was 25.38584280014038 seconds
Hyperparameteres for model 1 at epoch 7
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.310213327407837 seconds
  Loss: 1.3925
  Train Accuracy: 49.35%
  Test Accuracy: 51.50%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6841943264007568 seconds
 LR changed during epoch: 4.66e-04 -> 4.65e-04
total runtime to train this model was 24.44428515434265 seconds
Hyperparameteres for model 2 at epoch 7
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7287509441375732 seconds
  Loss: 1.3664
  Train Accuracy: 50.48%
  Test Accuracy: 53.10%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7309436798095703 seconds
 LR changed during epoch: 3.15e-04 -> 3.15e-04
total runtime to train this model was 24.094634532928467 seconds
Hyperparameteres for model 3 at epoch 7
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.37695574760437 seconds
  Loss: 1.3706
  Train Accuracy: 50.24%
  Test Accuracy: 52.68%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5669269561767578 seconds
 LR changed during epoch: 3.56e-04 -> 3.56e-04
total runtime to train this model was 24.855631351470947 seconds
Hyperparameteres for model 4 at epoch 7
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5774002075195312 seconds
  Loss: 1.3689
  Train Accuracy: 50.35%
  Test Accuracy: 52.09%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 7 Summary:
==
Time: 147.00s (Avg member: 29.40s)
Population Mean Accuracy: 52.34%
Best Member Accuracy: 53.10%
Mean Batch Size: 256

Mean Learning Rate: 3.30e-04
Mean Weight Decay: 0.099

==
Epoch 8/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5757858753204346 seconds
 LR changed during epoch: 1.00e-04 -> 1.50e-04
total runtime to train this model was 25.486669778823853 seconds
Hyperparameteres for model 0 at epoch 8
lr: 0.0002502213586795585

weight_decay: 0.08121118233594017

drop_path: 0.32647451212245726

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.246931314468384 seconds
  Loss: 1.3285
  Train Accuracy: 51.88%
  Test Accuracy: 53.30%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5691490173339844 seconds
 LR changed during epoch: 2.60e-04 -> 2.60e-04
total runtime to train this model was 25.173529386520386 seconds
Hyperparameteres for model 1 at epoch 8
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2371222972869873 seconds
  Loss: 1.3501
  Train Accuracy: 51.04%
  Test Accuracy: 51.18%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.581421136856079 seconds
 LR changed during epoch: 4.65e-04 -> 4.63e-04
total runtime to train this model was 25.07737970352173 seconds
Hyperparameteres for model 2 at epoch 8
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2565410137176514 seconds
  Loss: 1.3211
  Train Accuracy: 52.15%
  Test Accuracy: 53.42%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5696523189544678 seconds
 LR changed during epoch: 3.15e-04 -> 3.14e-04
total runtime to train this model was 25.350718021392822 seconds
Hyperparameteres for model 3 at epoch 8
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1907730102539062 seconds
  Loss: 1.3259
  Train Accuracy: 51.85%
  Test Accuracy: 52.49%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6177010536193848 seconds
 LR changed during epoch: 3.56e-04 -> 3.55e-04
total runtime to train this model was 25.013888359069824 seconds
Hyperparameteres for model 4 at epoch 8
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4638359546661377 seconds
  Loss: 1.3303
  Train Accuracy: 51.92%
  Test Accuracy: 51.70%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 8 Summary:

```
============================================================
Time: 146.60s (Avg member: 29.32s)
Population Mean Accuracy: 52.42%
Best Member Accuracy: 53.42%
Mean Batch Size: 256
Mean Learning Rate: 3.30e-04
Mean Weight Decay: 0.099


============================================================
Epoch 9/70
============================================================

--- Training Member 0 (Batch size: 256) ---
built data in 1.7283649444580078 seconds
 LR changed during epoch: 1.50e-04 -> 2.00e-04
total runtime to train this model was 24.115919828414917 seconds
Hyperparameteres for model 0 at epoch 9
lr: 0.0002502213586795585

weight_decay: 0.08121118233594017

drop_path: 0.32647451212245726

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.093261241912842 seconds
  Loss: 1.3198
  Train Accuracy: 52.27%
  Test Accuracy: 54.13%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6549077033996582 seconds
 LR changed during epoch: 2.60e-04 -> 2.59e-04
total runtime to train this model was 24.923675298690796 seconds
Hyperparameteres for model 1 at epoch 9
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.940814971923828 seconds
  Loss: 1.3066
  Train Accuracy: 52.68%
  Test Accuracy: 55.08%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.564727783203125 seconds
 LR changed during epoch: 4.63e-04 -> 4.61e-04
total runtime to train this model was 25.179481983184814 seconds
```

Hyperparameteres for model 2 at epoch 9
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3856210708618164 seconds
  Loss: 1.2816
  Train Accuracy: 53.59%
  Test Accuracy: 54.87%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5642967224121094 seconds
 LR changed during epoch: 3.14e-04 -> 3.13e-04
total runtime to train this model was 25.044998168945312 seconds
Hyperparameteres for model 3 at epoch 9
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.324734687805176 seconds
  Loss: 1.2790
  Train Accuracy: 53.95%
  Test Accuracy: 54.34%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5534555912017822 seconds
 LR changed during epoch: 3.55e-04 -> 3.53e-04
total runtime to train this model was 25.052091598510742 seconds
Hyperparameteres for model 4 at epoch 9
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.308011531829834 seconds
  Loss: 1.2897
  Train Accuracy: 53.10%
  Test Accuracy: 54.49%

Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

===
Epoch 9 Summary:
===
Time: 146.64s (Avg member: 29.33s)
Population Mean Accuracy: 54.58%
Best Member Accuracy: 55.08%
Mean Batch Size: 256
Mean Learning Rate: 3.30e-04
Mean Weight Decay: 0.099

===
Epoch 10/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.5570619106292725 seconds
 LR changed during epoch: 2.00e-04 -> 2.50e-04
total runtime to train this model was 24.803584337234497 seconds
Hyperparameteres for model 0 at epoch 10
lr: 0.0002502213586795585

weight_decay: 0.08121118233594017

drop_path: 0.32647451212245726

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2557315826416016 seconds
 Loss: 1.3005
 Train Accuracy: 53.03%
 Test Accuracy: 53.91%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.560713291168213 seconds
 LR changed during epoch: 2.59e-04 -> 2.57e-04
total runtime to train this model was 24.934126377105713 seconds
Hyperparameteres for model 1 at epoch 10
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.235724687576294 seconds
 Loss: 1.2714
 Train Accuracy: 54.16%
 Test Accuracy: 54.79%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5628693103790283 seconds
 LR changed during epoch: 4.61e-04 -> 4.59e-04
total runtime to train this model was 24.925137758255005 seconds
Hyperparameteres for model 2 at epoch 10
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2163727283477783 seconds
  Loss: 1.2379
  Train Accuracy: 55.50%
  Test Accuracy: 57.53%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5919795036315918 seconds
 LR changed during epoch: 3.13e-04 -> 3.11e-04
total runtime to train this model was 24.83323311805725 seconds
Hyperparameteres for model 3 at epoch 10
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2304017543792725 seconds
  Loss: 1.2451
  Train Accuracy: 55.19%
  Test Accuracy: 55.25%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.679748296737671 seconds
 LR changed during epoch: 3.53e-04 -> 3.51e-04
total runtime to train this model was 24.401261806488037 seconds
Hyperparameteres for model 4 at epoch 10
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.705610990524292 seconds
  Loss: 1.2470
  Train Accuracy: 55.21%
  Test Accuracy: 55.58%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 10) ---

=== PBT Exploit & Explore ===
Top performers: [57.53]
Bottom performers: [53.91]
Member 0: lr changed from 0.0002502213586795585 to 0.0003285203901827075
Member 0: weight_decay changed from 0.08121118233594017 to 0.09294547529423315
Member 0: drop_path changed from 0.32647451212245726 to 0.27458284474522676
Member 0 copied from 2
  LR=3.29e-04, WD=0.093, DropPath=0.275, Warmup=5 epochs, Batch=256

==
Epoch 10 Summary:
==
Time: 144.75s (Avg member: 28.95s)
Population Mean Accuracy: 55.41%
Best Member Accuracy: 57.53%
Mean Batch Size: 256
Mean Learning Rate: 3.45e-04
Mean Weight Decay: 0.102

==
Epoch 11/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.7396440505981445 seconds
 LR changed during epoch: 3.35e-07 -> 6.60e-05
total runtime to train this model was 24.7095730304718 seconds
Hyperparameteres for model 0 at epoch 11
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2948083877563477 seconds
  Loss: 1.1463
  Train Accuracy: 58.97%
  Test Accuracy: 60.69%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5646922588348389 seconds
 LR changed during epoch: 2.57e-04 -> 2.56e-04
total runtime to train this model was 25.23031520843506 seconds
Hyperparameteres for model 1 at epoch 11
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.387007474899292 seconds
  Loss: 1.2357
  Train Accuracy: 55.55%
  Test Accuracy: 56.65%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.553779125213623 seconds
 LR changed during epoch: 4.59e-04 -> 4.56e-04
total runtime to train this model was 25.38406229019165 seconds
Hyperparameteres for model 2 at epoch 11
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.18141508102417 seconds
  Loss: 1.1960
  Train Accuracy: 57.19%
  Test Accuracy: 58.43%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5594966411590576 seconds
 LR changed during epoch: 3.11e-04 -> 3.09e-04
total runtime to train this model was 25.249611854553223 seconds
Hyperparameteres for model 3 at epoch 11
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3204050064086914 seconds
  Loss: 1.2134
  Train Accuracy: 56.66%
  Test Accuracy: 57.65%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5561339855194092 seconds
 LR changed during epoch: 3.51e-04 -> 3.49e-04
total runtime to train this model was 25.19016170501709 seconds
Hyperparameteres for model 4 at epoch 11
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.215261220932007 seconds
  Loss: 1.2178
  Train Accuracy: 56.20%
  Test Accuracy: 56.87%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 11 Summary:
==
Time: 147.28s (Avg member: 29.46s)
Population Mean Accuracy: 58.06%
Best Member Accuracy: 60.69%
Mean Batch Size: 256
Mean Learning Rate: 3.45e-04
Mean Weight Decay: 0.102

==
Epoch 12/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5681242942810059 seconds
 LR changed during epoch: 6.60e-05 -> 1.32e-04
total runtime to train this model was 25.09394407272339 seconds
Hyperparameteres for model 0 at epoch 12
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.180004119873047 seconds
  Loss: 1.1114
  Train Accuracy: 60.01%
  Test Accuracy: 60.23%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---

built data in 1.6054022312164307 seconds
 LR changed during epoch: 2.56e-04 -> 2.54e-04
total runtime to train this model was 24.615209102630615 seconds
Hyperparameteres for model 1 at epoch 12
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1476192474365234 seconds
  Loss: 1.2137
  Train Accuracy: 56.28%
  Test Accuracy: 57.58%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6700239181518555 seconds
 LR changed during epoch: 4.56e-04 -> 4.53e-04
total runtime to train this model was 24.161909103393555 seconds
Hyperparameteres for model 2 at epoch 12
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.631106376647949 seconds
  Loss: 1.1686
  Train Accuracy: 57.97%
  Test Accuracy: 59.23%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7538599967956543 seconds
 LR changed during epoch: 3.09e-04 -> 3.07e-04
total runtime to train this model was 23.87604308128357 seconds
Hyperparameteres for model 3 at epoch 12
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1189470291137695 seconds

Loss: 1.1732
 Train Accuracy: 57.78%
 Test Accuracy: 59.67%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6144945621490479 seconds
 LR changed during epoch: 3.49e-04 -> 3.46e-04
total runtime to train this model was 24.50299644470215 seconds
Hyperparameteres for model 4 at epoch 12
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8460710048675537 seconds
 Loss: 1.1862
 Train Accuracy: 57.26%
 Test Accuracy: 58.41%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 12 Summary:
==
Time: 144.67s (Avg member: 28.93s)
Population Mean Accuracy: 59.02%
Best Member Accuracy: 60.23%
Mean Batch Size: 256
Mean Learning Rate: 3.45e-04
Mean Weight Decay: 0.102

==
Epoch 13/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5712316036224365 seconds
 LR changed during epoch: 1.32e-04 -> 1.97e-04
total runtime to train this model was 25.405428647994995 seconds
Hyperparameteres for model 0 at epoch 13
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.240000009536743 seconds
 Loss: 1.1084
 Train Accuracy: 60.30%

Test Accuracy: 61.28%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5682899951934814 seconds
 LR changed during epoch: 2.54e-04 -> 2.51e-04
total runtime to train this model was 25.121763944625854 seconds
Hyperparameteres for model 1 at epoch 13
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1855430603027344 seconds
  Loss: 1.1755
  Train Accuracy: 57.78%
  Test Accuracy: 58.22%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5679006576538086 seconds
 LR changed during epoch: 4.53e-04 -> 4.49e-04
total runtime to train this model was 24.869912147521973 seconds
Hyperparameteres for model 2 at epoch 13
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2112338542938232 seconds
  Loss: 1.1215
  Train Accuracy: 59.76%
  Test Accuracy: 59.13%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5548896789550781 seconds
 LR changed during epoch: 3.07e-04 -> 3.04e-04
total runtime to train this model was 24.853731870651245 seconds
Hyperparameteres for model 3 at epoch 13
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2097034454345703 seconds
  Loss: 1.1398
  Train Accuracy: 59.12%
  Test Accuracy: 60.15%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.548628568649292 seconds
 LR changed during epoch: 3.46e-04 -> 3.43e-04
total runtime to train this model was 24.829965353012085 seconds
Hyperparameteres for model 4 at epoch 13
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2503745555877686 seconds
  Loss: 1.1534
  Train Accuracy: 58.69%
  Test Accuracy: 59.03%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 13 Summary:
==
Time: 145.14s (Avg member: 29.03s)
Population Mean Accuracy: 59.56%
Best Member Accuracy: 61.28%
Mean Batch Size: 256
Mean Learning Rate: 3.45e-04
Mean Weight Decay: 0.102

==
Epoch 14/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5652120113372803 seconds
 LR changed during epoch: 1.97e-04 -> 2.63e-04
total runtime to train this model was 24.784167766571045 seconds
Hyperparameteres for model 0 at epoch 14
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1647579669952393 seconds
  Loss: 1.1058
  Train Accuracy: 60.42%
  Test Accuracy: 61.12%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.639298677444458 seconds
 LR changed during epoch: 2.51e-04 -> 2.49e-04
total runtime to train this model was 24.549961805343628 seconds
Hyperparameteres for model 1 at epoch 14
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4331114292144775 seconds
  Loss: 1.1514
  Train Accuracy: 58.63%
  Test Accuracy: 60.25%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.7201716899871826 seconds
 LR changed during epoch: 4.49e-04 -> 4.44e-04
total runtime to train this model was 24.20642375946045 seconds
Hyperparameteres for model 2 at epoch 14
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3800556659698486 seconds
  Loss: 1.1034
  Train Accuracy: 60.69%
  Test Accuracy: 62.04%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6415092945098877 seconds
 LR changed during epoch: 3.04e-04 -> 3.01e-04
total runtime to train this model was 25.433070182800293 seconds
Hyperparameteres for model 3 at epoch 14
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6828994750976562 seconds
  Loss: 1.1116
  Train Accuracy: 60.08%
  Test Accuracy: 60.69%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5741982460021973 seconds
 LR changed during epoch: 3.43e-04 -> 3.40e-04
total runtime to train this model was 25.458707332611084 seconds
Hyperparameteres for model 4 at epoch 14
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.287799596786499 seconds
  Loss: 1.1212
  Train Accuracy: 59.75%
  Test Accuracy: 61.92%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 14 Summary:
==
Time: 146.76s (Avg member: 29.35s)
Population Mean Accuracy: 61.20%
Best Member Accuracy: 62.04%
Mean Batch Size: 256
Mean Learning Rate: 3.45e-04
Mean Weight Decay: 0.102

==
Epoch 15/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5716288089752197 seconds
 LR changed during epoch: 2.63e-04 -> 3.29e-04
total runtime to train this model was 25.050536155700684 seconds
Hyperparameteres for model 0 at epoch 15
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3005189895629883 seconds
  Loss: 1.1028
  Train Accuracy: 60.90%
  Test Accuracy: 60.67%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5690083503723145 seconds
 LR changed during epoch: 2.49e-04 -> 2.46e-04
total runtime to train this model was 25.298036098480225 seconds
Hyperparameteres for model 1 at epoch 15
lr: 0.00026104577626889696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.325383424758911 seconds
  Loss: 1.1229
  Train Accuracy: 59.63%
  Test Accuracy: 61.59%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5678791999816895 seconds
 LR changed during epoch: 4.44e-04 -> 4.39e-04
total runtime to train this model was 24.903191566467285 seconds
Hyperparameteres for model 2 at epoch 15
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1806886196136475 seconds
  Loss: 1.0609
  Train Accuracy: 62.06%
  Test Accuracy: 63.08%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5967133045196533 seconds

LR changed during epoch: 3.01e-04 -> 2.98e-04
total runtime to train this model was 24.958213806152344 seconds
Hyperparameteres for model 3 at epoch 15
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.20632463667325823

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2320704460144043 seconds
  Loss: 1.0883
  Train Accuracy: 60.91%
  Test Accuracy: 60.60%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.66129732131958 seconds
 LR changed during epoch: 3.40e-04 -> 3.36e-04
total runtime to train this model was 24.830488443374634 seconds
Hyperparameteres for model 4 at epoch 15
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5587193965911865 seconds
  Loss: 1.0932
  Train Accuracy: 60.85%
  Test Accuracy: 61.49%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 15) ---

=== PBT Exploit & Explore ===
Top performers: [63.08]
Bottom performers: [60.6]
Member 3: lr changed from 0.0003155456675032866 to 0.0004278494819684526
Member 3: weight_decay changed from 0.10835600837460257 to 0.10763993920961751
Member 3: drop_path changed from 0.20632463667325823 to 0.1637883800887343
Member 3 copied from 2
  LR=4.28e-04, WD=0.108, DropPath=0.164, Warmup=5 epochs, Batch=256

==
Epoch 15 Summary:
==
Time: 145.82s (Avg member: 29.16s)
Population Mean Accuracy: 61.49%
Best Member Accuracy: 63.08%
Mean Batch Size: 256

Mean Learning Rate: 3.68e-04
Mean Weight Decay: 0.102

===
Epoch 16/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.742783546447754 seconds
 LR changed during epoch: 3.29e-04 -> 3.28e-04
total runtime to train this model was 24.29649305343628 seconds
Hyperparameteres for model 0 at epoch 16
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.499640941619873 seconds
  Loss: 1.0968
  Train Accuracy: 60.53%
  Test Accuracy: 63.28%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5670082569122314 seconds
 LR changed during epoch: 2.46e-04 -> 2.43e-04
total runtime to train this model was 24.901592016220093 seconds
Hyperparameteres for model 1 at epoch 16
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5686392784118652 seconds
  Loss: 1.0932
  Train Accuracy: 60.83%
  Test Accuracy: 62.43%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.567897081375122 seconds
 LR changed during epoch: 4.39e-04 -> 4.34e-04
total runtime to train this model was 25.33935809135437 seconds
Hyperparameteres for model 2 at epoch 16
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2621140480041504 seconds
  Loss: 1.0321
  Train Accuracy: 63.23%
  Test Accuracy: 62.76%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5676076412200928 seconds
 LR changed during epoch: 4.37e-07 -> 8.60e-05
total runtime to train this model was 25.161261320114136 seconds
Hyperparameteres for model 3 at epoch 16
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1664111614227295 seconds
  Loss: 0.9620
  Train Accuracy: 65.92%
  Test Accuracy: 65.93%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5644352436065674 seconds
 LR changed during epoch: 3.36e-04 -> 3.32e-04
total runtime to train this model was 25.324904441833496 seconds
Hyperparameteres for model 4 at epoch 16
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.224297285079956 seconds
  Loss: 1.0742
  Train Accuracy: 61.56%
  Test Accuracy: 62.65%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

===
Epoch 16 Summary:

```
============================================================
Time: 146.94s (Avg member: 29.39s)
Population Mean Accuracy: 63.41%
Best Member Accuracy: 65.93%
Mean Batch Size: 256
Mean Learning Rate: 3.68e-04
Mean Weight Decay: 0.102


============================================================
Epoch 17/70
============================================================

--- Training Member 0 (Batch size: 256) ---
built data in 1.561743974685669 seconds
 LR changed during epoch: 3.28e-04 -> 3.28e-04
total runtime to train this model was 25.996634006500244 seconds
Hyperparameteres for model 0 at epoch 17
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3577840328216553 seconds
  Loss: 1.0681
  Train Accuracy: 61.68%
  Test Accuracy: 62.02%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.57118821144104 seconds
 LR changed during epoch: 2.43e-04 -> 2.40e-04
total runtime to train this model was 25.759737730026245 seconds
Hyperparameteres for model 1 at epoch 17
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.433554172515869 seconds
  Loss: 1.0718
  Train Accuracy: 61.75%
  Test Accuracy: 62.70%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.750657081604004 seconds
 LR changed during epoch: 4.34e-04 -> 4.28e-04
total runtime to train this model was 25.380695343017578 seconds
```

Hyperparameteres for model 2 at epoch 17
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4402976036071777 seconds
  Loss: 1.0030
  Train Accuracy: 64.19%
  Test Accuracy: 65.08%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.574429988861084 seconds
 LR changed during epoch: 8.60e-05 -> 1.72e-04
total runtime to train this model was 26.14480209350586 seconds
Hyperparameteres for model 3 at epoch 17
lr: 0.00042784948196084526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3340725898742676 seconds
  Loss: 0.9343
  Train Accuracy: 66.70%
  Test Accuracy: 66.35%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5763263702392578 seconds
 LR changed during epoch: 3.32e-04 -> 3.27e-04
total runtime to train this model was 25.98811674118042 seconds
Hyperparameteres for model 4 at epoch 17
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2655367851257324 seconds
  Loss: 1.0462
  Train Accuracy: 62.50%
  Test Accuracy: 62.70%

Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 17 Summary:
==
Time: 151.38s (Avg member: 30.28s)
Population Mean Accuracy: 63.77%
Best Member Accuracy: 66.35%
Mean Batch Size: 256
Mean Learning Rate: 3.68e-04
Mean Weight Decay: 0.102

==
Epoch 18/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.57035493850708 seconds
 LR changed during epoch: 3.28e-04 -> 3.27e-04
total runtime to train this model was 26.040050268173218 seconds
Hyperparameteres for model 0 at epoch 18
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.273395299911499 seconds
  Loss: 1.0463
  Train Accuracy: 62.65%
  Test Accuracy: 64.00%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5604467391967773 seconds
 LR changed during epoch: 2.40e-04 -> 2.36e-04
total runtime to train this model was 25.5618634223938 seconds
Hyperparameteres for model 1 at epoch 18
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2771670818328857 seconds
  Loss: 1.0460
  Train Accuracy: 62.68%
  Test Accuracy: 64.02%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6022098064422607 seconds
 LR changed during epoch: 4.28e-04 -> 4.21e-04
total runtime to train this model was 25.29758930206299 seconds
Hyperparameteres for model 2 at epoch 18
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3651585578918457 seconds
  Loss: 0.9811
  Train Accuracy: 65.05%
  Test Accuracy: 66.29%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.698197603225708 seconds
 LR changed during epoch: 1.72e-04 -> 2.57e-04
total runtime to train this model was 24.907726526260376 seconds
Hyperparameteres for model 3 at epoch 18
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.422555923461914 seconds
  Loss: 0.9505
  Train Accuracy: 66.15%
  Test Accuracy: 65.07%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5694007873535156 seconds
 LR changed during epoch: 3.27e-04 -> 3.23e-04
total runtime to train this model was 25.459743976593018 seconds
Hyperparameteres for model 4 at epoch 18
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5422048568725586 seconds
  Loss: 1.0168
  Train Accuracy: 63.98%
  Test Accuracy: 64.14%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 18 Summary:
==
Time: 149.37s (Avg member: 29.87s)
Population Mean Accuracy: 64.70%
Best Member Accuracy: 66.29%
Mean Batch Size: 256
Mean Learning Rate: 3.68e-04
Mean Weight Decay: 0.102

==
Epoch 19/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.617034673690796 seconds
 LR changed during epoch: 3.27e-04 -> 3.25e-04
total runtime to train this model was 25.852893590927124 seconds
Hyperparameteres for model 0 at epoch 19
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3382983207702637 seconds
  Loss: 1.0187
  Train Accuracy: 63.68%
  Test Accuracy: 64.52%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6007180213928223 seconds
 LR changed during epoch: 2.36e-04 -> 2.32e-04
total runtime to train this model was 25.82459807395935 seconds
Hyperparameteres for model 1 at epoch 19
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.413666248321533 seconds

Loss: 1.0253
  Train Accuracy: 63.50%
  Test Accuracy: 64.92%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5703563690185547 seconds
 LR changed during epoch: 4.21e-04 -> 4.15e-04
total runtime to train this model was 25.710619926452637 seconds
Hyperparameteres for model 2 at epoch 19
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2952969074249268 seconds
  Loss: 0.9559
  Train Accuracy: 65.92%
  Test Accuracy: 65.40%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5986833572387695 seconds
 LR changed during epoch: 2.57e-04 -> 3.43e-04
total runtime to train this model was 25.5732741355896 seconds
Hyperparameteres for model 3 at epoch 19
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4524614810943604 seconds
  Loss: 0.9557
  Train Accuracy: 66.08%
  Test Accuracy: 65.16%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7181131839752197 seconds
 LR changed during epoch: 3.23e-04 -> 3.17e-04
total runtime to train this model was 24.486143350601196 seconds
Hyperparameteres for model 4 at epoch 19
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4151017665863037 seconds
  Loss: 0.9951
  Train Accuracy: 64.65%
  Test Accuracy: 65.34%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 19 Summary:
==
Time: 149.74s (Avg member: 29.95s)
Population Mean Accuracy: 65.07%
Best Member Accuracy: 65.40%
Mean Batch Size: 256
Mean Learning Rate: 3.68e-04
Mean Weight Decay: 0.102

==
Epoch 20/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6792418956756592 seconds
 LR changed during epoch: 3.25e-04 -> 3.24e-04
total runtime to train this model was 25.68702244758606 seconds
Hyperparameteres for model 0 at epoch 20
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6241564750671387 seconds
  Loss: 0.9982
  Train Accuracy: 64.29%
  Test Accuracy: 65.16%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5725080966949463 seconds
 LR changed during epoch: 2.32e-04 -> 2.28e-04
total runtime to train this model was 25.92626667022705 seconds
Hyperparameteres for model 1 at epoch 20
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2945902347564697 seconds
  Loss: 1.0009
  Train Accuracy: 64.43%
  Test Accuracy: 65.20%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5696566104888916 seconds
 LR changed during epoch: 4.15e-04 -> 4.07e-04
total runtime to train this model was 25.772321224212646 seconds
Hyperparameteres for model 2 at epoch 20
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.257521867752075 seconds
  Loss: 0.9257
  Train Accuracy: 66.88%
  Test Accuracy: 67.50%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5721826553344727 seconds
 LR changed during epoch: 3.43e-04 -> 4.28e-04
total runtime to train this model was 25.594995737075806 seconds
Hyperparameteres for model 3 at epoch 20
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.321293592453003 seconds
  Loss: 0.9745
  Train Accuracy: 65.31%
  Test Accuracy: 66.22%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5746779441833496 seconds
 LR changed during epoch: 3.17e-04 -> 3.12e-04
total runtime to train this model was 25.763522148132324 seconds
Hyperparameteres for model 4 at epoch 20

lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.25432892395471046

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2925562858581543 seconds
  Loss: 0.9767
  Train Accuracy: 65.33%
  Test Accuracy: 64.80%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 20) ---

=== PBT Exploit & Explore ===
Top performers: [67.5]
Bottom performers: [64.8]
Member 4: lr changed from 0.0003565125943597626 to 0.0002699376189335476
Member 4: weight_decay changed from 0.13274485841923567 to 0.15
Member 4: drop_path changed from 0.25432892395471046 to 0.22879885085635998
Member 4 copied from 2
  LR=2.70e-04, WD=0.150, DropPath=0.229, Warmup=5 epochs, Batch=256

==
Epoch 20 Summary:
==
Time: 149.67s (Avg member: 29.93s)
Population Mean Accuracy: 65.78%
Best Member Accuracy: 67.50%
Mean Batch Size: 256
Mean Learning Rate: 3.51e-04
Mean Weight Decay: 0.105

==
Epoch 21/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6953399181365967 seconds
 LR changed during epoch: 3.24e-04 -> 3.22e-04
total runtime to train this model was 24.964276552200317 seconds
Hyperparameteres for model 0 at epoch 21
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.906186819076538 seconds
  Loss: 0.9823
  Train Accuracy: 64.84%

Test Accuracy: 66.04%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.7203493118286133 seconds
 LR changed during epoch: 2.28e-04 -> 2.24e-04
total runtime to train this model was 24.750293016433716 seconds
Hyperparameteres for model 1 at epoch 21
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2584991455078125 seconds
 Loss: 0.9883
 Train Accuracy: 64.61%
 Test Accuracy: 66.39%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5701837539672852 seconds
 LR changed during epoch: 4.07e-04 -> 4.00e-04
total runtime to train this model was 25.62684941291809 seconds
Hyperparameteres for model 2 at epoch 21
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.313891649246216 seconds
 Loss: 0.9032
 Train Accuracy: 67.96%
 Test Accuracy: 67.65%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5732436180114746 seconds
 LR changed during epoch: 4.28e-04 -> 4.28e-04
total runtime to train this model was 25.641127824783325 seconds
Hyperparameteres for model 3 at epoch 21
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2062697410583496 seconds
  Loss: 0.9684
  Train Accuracy: 65.63%
  Test Accuracy: 65.89%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.575291633605957 seconds
 LR changed during epoch: 2.75e-07 -> 5.43e-05
total runtime to train this model was 25.68499255180359 seconds
Hyperparameteres for model 4 at epoch 21
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.24959659576416 seconds
  Loss: 0.8544
  Train Accuracy: 69.55%
  Test Accuracy: 70.42%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 21 Summary:
==
Time: 148.93s (Avg member: 29.78s)
Population Mean Accuracy: 67.28%
Best Member Accuracy: 70.42%
Mean Batch Size: 256
Mean Learning Rate: 3.51e-04
Mean Weight Decay: 0.105

==
Epoch 22/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5698974132537842 seconds
 LR changed during epoch: 3.22e-04 -> 3.19e-04
total runtime to train this model was 25.49451994895935 seconds
Hyperparameteres for model 0 at epoch 22
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2567336559295654 seconds
  Loss: 0.9547
  Train Accuracy: 66.14%
  Test Accuracy: 66.87%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.566220760345459 seconds
 LR changed during epoch: 2.24e-04 -> 2.20e-04
total runtime to train this model was 25.670279264450073 seconds
Hyperparameteres for model 1 at epoch 22
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2616453170776367 seconds
  Loss: 0.9695
  Train Accuracy: 65.40%
  Test Accuracy: 66.09%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.7268860340118408 seconds
 LR changed during epoch: 4.00e-04 -> 3.92e-04
total runtime to train this model was 24.771514654159546 seconds
Hyperparameteres for model 2 at epoch 22
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2771193981170654 seconds
  Loss: 0.8849
  Train Accuracy: 68.40%
  Test Accuracy: 68.51%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6115388870239258 seconds
 LR changed during epoch: 4.28e-04 -> 4.27e-04
total runtime to train this model was 25.299595594406128 seconds
Hyperparameteres for model 3 at epoch 22
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5944435596466064 seconds
  Loss: 0.9419
  Train Accuracy: 66.42%
  Test Accuracy: 65.95%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.566216230392456 seconds
 LR changed during epoch: 5.43e-05 -> 1.08e-04
total runtime to train this model was 25.766574382781982 seconds
Hyperparameteres for model 4 at epoch 22
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2634713649749756 seconds
  Loss: 0.8189
  Train Accuracy: 70.91%
  Test Accuracy: 70.28%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 22 Summary:
==
Time: 148.96s (Avg member: 29.79s)
Population Mean Accuracy: 67.54%
Best Member Accuracy: 70.28%
Mean Batch Size: 256
Mean Learning Rate: 3.51e-04
Mean Weight Decay: 0.105

==
Epoch 23/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5678060054779053 seconds
 LR changed during epoch: 3.19e-04 -> 3.16e-04
total runtime to train this model was 25.625730752944946 seconds
Hyperparameteres for model 0 at epoch 23
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.348928213119507 seconds
  Loss: 0.9361
  Train Accuracy: 66.69%
  Test Accuracy: 67.33%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5831549167633057 seconds
 LR changed during epoch: 2.20e-04 -> 2.15e-04
total runtime to train this model was 25.383378982543945 seconds
Hyperparameteres for model 1 at epoch 23
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2896084785461426 seconds
  Loss: 0.9536
  Train Accuracy: 66.02%
  Test Accuracy: 66.64%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.573545217514038 seconds
 LR changed during epoch: 3.92e-04 -> 3.83e-04
total runtime to train this model was 25.87649631500244 seconds
Hyperparameteres for model 2 at epoch 23
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2910869121551514 seconds
  Loss: 0.8651
  Train Accuracy: 69.33%
  Test Accuracy: 69.93%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7134099006652832 seconds

LR changed during epoch: 4.27e-04 -> 4.26e-04
total runtime to train this model was 24.859482288360596 seconds
Hyperparameteres for model 3 at epoch 23
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9205901622772217 seconds
  Loss: 0.9261
  Train Accuracy: 67.00%
  Test Accuracy: 67.14%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7088637351989746 seconds
 LR changed during epoch: 1.08e-04 -> 1.62e-04
total runtime to train this model was 24.813700675964355 seconds
Hyperparameteres for model 4 at epoch 23
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1218886375427246 seconds
  Loss: 0.8119
  Train Accuracy: 71.33%
  Test Accuracy: 70.87%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 23 Summary:
==
Time: 148.88s (Avg member: 29.78s)
Population Mean Accuracy: 68.38%
Best Member Accuracy: 70.87%
Mean Batch Size: 256
Mean Learning Rate: 3.51e-04
Mean Weight Decay: 0.105

==
Epoch 24/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5833148956298828 seconds
 LR changed during epoch: 3.16e-04 -> 3.13e-04
total runtime to train this model was 25.557854652404785 seconds

Hyperparameteres for model 0 at epoch 24
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.22639799118042 seconds
  Loss: 0.9162
  Train Accuracy: 67.53%
  Test Accuracy: 67.61%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5585145950317383 seconds
 LR changed during epoch: 2.15e-04 -> 2.10e-04
total runtime to train this model was 25.477540731430054 seconds
Hyperparameteres for model 1 at epoch 24
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.261453628540039 seconds
  Loss: 0.9373
  Train Accuracy: 66.70%
  Test Accuracy: 66.98%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5629494190216064 seconds
 LR changed during epoch: 3.83e-04 -> 3.74e-04
total runtime to train this model was 25.700260639190674 seconds
Hyperparameteres for model 2 at epoch 24
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.300551176071167 seconds
  Loss: 0.8461
  Train Accuracy: 70.06%
  Test Accuracy: 69.81%

Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5752909183502197 seconds
 LR changed during epoch: 4.26e-04 -> 4.24e-04
total runtime to train this model was 25.607096433639526 seconds
Hyperparameteres for model 3 at epoch 24
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.213184118270874 seconds
  Loss: 0.9029
  Train Accuracy: 68.03%
  Test Accuracy: 68.74%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5786490440368652 seconds
 LR changed during epoch: 1.62e-04 -> 2.16e-04
total runtime to train this model was 25.68752098083496 seconds
Hyperparameteres for model 4 at epoch 24
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3247575759887695 seconds
  Loss: 0.8179
  Train Accuracy: 70.93%
  Test Accuracy: 70.03%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 24 Summary:
==
Time: 148.36s (Avg member: 29.67s)
Population Mean Accuracy: 68.63%
Best Member Accuracy: 70.03%
Mean Batch Size: 256
Mean Learning Rate: 3.51e-04
Mean Weight Decay: 0.105

==
Epoch 25/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.7157411575317383 seconds
 LR changed during epoch: 3.13e-04 -> 3.10e-04
total runtime to train this model was 25.364460706710815 seconds
Hyperparameteres for model 0 at epoch 25
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0856175422668457 seconds
  Loss: 0.8975
  Train Accuracy: 68.21%
  Test Accuracy: 69.23%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6953275203704834 seconds
 LR changed during epoch: 2.10e-04 -> 2.05e-04
total runtime to train this model was 25.099952697753906 seconds
Hyperparameteres for model 1 at epoch 25
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.2988852362414701

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.10260009765625 seconds
  Loss: 0.9238
  Train Accuracy: 67.32%
  Test Accuracy: 67.50%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5673143863677979 seconds
 LR changed during epoch: 3.74e-04 -> 3.65e-04
total runtime to train this model was 25.783286094665527 seconds
Hyperparameteres for model 2 at epoch 25
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.280301809310913 seconds
  Loss: 0.8343
  Train Accuracy: 70.36%
  Test Accuracy: 69.77%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5729742050170898 seconds
 LR changed during epoch: 4.24e-04 -> 4.22e-04
total runtime to train this model was 25.627559900283813 seconds
Hyperparameteres for model 3 at epoch 25
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3119020462036133 seconds
  Loss: 0.8863
  Train Accuracy: 68.66%
  Test Accuracy: 69.31%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6394803524017334 seconds
 LR changed during epoch: 2.16e-04 -> 2.70e-04
total runtime to train this model was 25.886256217956543 seconds
Hyperparameteres for model 4 at epoch 25
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2953360080718994 seconds
  Loss: 0.8304
  Train Accuracy: 70.40%
  Test Accuracy: 69.91%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 25) ---

=== PBT Exploit & Explore ===
Top performers: [69.91]
Bottom performers: [67.5]
Member 1: lr changed from 0.0002610457762689696 to 0.0002860299303411879
Member 1: weight_decay changed from 0.13313120688671945 to 0.1491941466318537
Member 1: drop_path changed from 0.2988852362414701 to 0.2809860487897563

Member 1 copied from 4
  LR=2.86e-04, WD=0.149, DropPath=0.281, Warmup=5 epochs, Batch=256

==
Epoch 25 Summary:
==
Time: 150.25s (Avg member: 30.05s)
Population Mean Accuracy: 69.14%
Best Member Accuracy: 69.91%
Mean Batch Size: 256
Mean Learning Rate: 3.56e-04
Mean Weight Decay: 0.108

==
Epoch 26/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6185405254364014 seconds
 LR changed during epoch: 3.10e-04 -> 3.06e-04
total runtime to train this model was 25.883897304534912 seconds
Hyperparameteres for model 0 at epoch 26
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.29679799079895 seconds
  Loss: 0.8817
  Train Accuracy: 68.91%
  Test Accuracy: 69.21%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6949927806854248 seconds
 LR changed during epoch: 2.92e-07 -> 5.75e-05
total runtime to train this model was 25.2888400554657 seconds
Hyperparameteres for model 1 at epoch 26
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0015485286712646 seconds
  Loss: 0.7836
  Train Accuracy: 72.27%
  Test Accuracy: 71.88%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.7046923637390137 seconds
 LR changed during epoch: 3.65e-04 -> 3.56e-04
total runtime to train this model was 24.680426597595215 seconds
Hyperparameteres for model 2 at epoch 26
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.280278205871582 seconds
  Loss: 0.8127
  Train Accuracy: 70.96%
  Test Accuracy: 69.95%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5577077865600586 seconds
 LR changed during epoch: 4.22e-04 -> 4.19e-04
total runtime to train this model was 25.61477017402649 seconds
Hyperparameteres for model 3 at epoch 26
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.415602207183838 seconds
  Loss: 0.8697
  Train Accuracy: 69.43%
  Test Accuracy: 68.84%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5704851150512695 seconds
 LR changed during epoch: 2.70e-04 -> 2.70e-04
total runtime to train this model was 25.674612283706665 seconds
Hyperparameteres for model 4 at epoch 26
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.369565725326538 seconds
  Loss: 0.8292
  Train Accuracy: 70.46%
  Test Accuracy: 70.15%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 26 Summary:
==
Time: 149.85s (Avg member: 29.97s)
Population Mean Accuracy: 70.01%
Best Member Accuracy: 71.88%
Mean Batch Size: 256
Mean Learning Rate: 3.56e-04
Mean Weight Decay: 0.108

==
Epoch 27/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5675311088562012 seconds
 LR changed during epoch: 3.06e-04 -> 3.02e-04
total runtime to train this model was 25.644765853881836 seconds
Hyperparameteres for model 0 at epoch 27
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3068840503692627 seconds
  Loss: 0.8660
  Train Accuracy: 69.32%
  Test Accuracy: 69.68%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.573390245437622 seconds
 LR changed during epoch: 5.75e-05 -> 1.15e-04
total runtime to train this model was 25.467015743255615 seconds
Hyperparameteres for model 1 at epoch 27
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2386553287506104 seconds

Loss: 0.7639
  Train Accuracy: 73.08%
  Test Accuracy: 72.14%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5682268142700195 seconds
 LR changed during epoch: 3.56e-04 -> 3.46e-04
total runtime to train this model was 25.138492822647095 seconds
Hyperparameteres for model 2 at epoch 27
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2691237926483154 seconds
  Loss: 0.7924
  Train Accuracy: 71.88%
  Test Accuracy: 71.13%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6757004261016846 seconds
 LR changed during epoch: 4.19e-04 -> 4.16e-04
total runtime to train this model was 24.293779850006104 seconds
Hyperparameteres for model 3 at epoch 27
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4861795902252197 seconds
  Loss: 0.8545
  Train Accuracy: 69.65%
  Test Accuracy: 69.43%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7490568161010742 seconds
 LR changed during epoch: 2.70e-04 -> 2.69e-04
total runtime to train this model was 24.661532640457153 seconds
Hyperparameteres for model 4 at epoch 27
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.6012043952941895 seconds
  Loss: 0.8142
  Train Accuracy: 71.09%
  Test Accuracy: 70.61%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 27 Summary:
==
Time: 147.47s (Avg member: 29.49s)
Population Mean Accuracy: 70.60%
Best Member Accuracy: 72.14%
Mean Batch Size: 256
Mean Learning Rate: 3.56e-04
Mean Weight Decay: 0.108

==
Epoch 28/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5949089527130127 seconds
 LR changed during epoch: 3.02e-04 -> 2.97e-04
total runtime to train this model was 26.318477392196655 seconds
Hyperparameteres for model 0 at epoch 28
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4058427810668945 seconds
  Loss: 0.8523
  Train Accuracy: 69.76%
  Test Accuracy: 69.83%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6486380100250244 seconds
 LR changed during epoch: 1.15e-04 -> 1.72e-04
total runtime to train this model was 26.131516695022583 seconds
Hyperparameteres for model 1 at epoch 28
lr: 0.000286029303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3825745582580566 seconds
  Loss: 0.7771
  Train Accuracy: 72.40%
  Test Accuracy: 71.44%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6271398067474365 seconds
 LR changed during epoch: 3.46e-04 -> 3.36e-04
total runtime to train this model was 26.62660026550293 seconds
Hyperparameteres for model 2 at epoch 28
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.333275556564331 seconds
  Loss: 0.7705
  Train Accuracy: 72.65%
  Test Accuracy: 72.21%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.628786325454712 seconds
 LR changed during epoch: 4.16e-04 -> 4.12e-04
total runtime to train this model was 26.453484535217285 seconds
Hyperparameteres for model 3 at epoch 28
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3112547397613525 seconds
  Loss: 0.8317
  Train Accuracy: 70.40%
  Test Accuracy: 68.92%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.821061372756958 seconds
 LR changed during epoch: 2.69e-04 -> 2.69e-04
total runtime to train this model was 25.767700672149658 seconds
Hyperparameteres for model 4 at epoch 28

lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5414280891418457 seconds
  Loss: 0.8034
  Train Accuracy: 71.41%
  Test Accuracy: 71.44%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 28 Summary:
==
Time: 153.85s (Avg member: 30.77s)
Population Mean Accuracy: 70.77%
Best Member Accuracy: 72.21%
Mean Batch Size: 256
Mean Learning Rate: 3.56e-04
Mean Weight Decay: 0.108

==
Epoch 29/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6665070056915283 seconds
 LR changed during epoch: 2.97e-04 -> 2.92e-04
total runtime to train this model was 26.79343342781067 seconds
Hyperparameteres for model 0 at epoch 29
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4177536964416504 seconds
  Loss: 0.8315
  Train Accuracy: 70.24%
  Test Accuracy: 70.53%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6162872314453125 seconds
 LR changed during epoch: 1.72e-04 -> 2.29e-04
total runtime to train this model was 26.626302003860474 seconds
Hyperparameteres for model 1 at epoch 29
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4614994525909424 seconds
  Loss: 0.7875
  Train Accuracy: 71.95%
  Test Accuracy: 70.73%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.63612961769104 seconds
 LR changed during epoch: 3.36e-04 -> 3.26e-04
total runtime to train this model was 26.527050971984863 seconds
Hyperparameteres for model 2 at epoch 29
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4741370677948 seconds
  Loss: 0.7601
  Train Accuracy: 73.15%
  Test Accuracy: 72.98%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6382648944854736 seconds
 LR changed during epoch: 4.12e-04 -> 4.08e-04
total runtime to train this model was 26.312490463256836 seconds
Hyperparameteres for model 3 at epoch 29
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0428786277770996 seconds
  Loss: 0.8206
  Train Accuracy: 70.89%
  Test Accuracy: 70.70%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7288825511932373 seconds
 LR changed during epoch: 2.69e-04 -> 2.67e-04
total runtime to train this model was 26.250298738479614 seconds
Hyperparameteres for model 4 at epoch 29
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7913131713867188 seconds
  Loss: 0.7890
  Train Accuracy: 71.95%
  Test Accuracy: 70.75%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

===
Epoch 29 Summary:
===
Time: 155.22s (Avg member: 31.04s)
Population Mean Accuracy: 71.14%
Best Member Accuracy: 72.98%
Mean Batch Size: 256
Mean Learning Rate: 3.56e-04
Mean Weight Decay: 0.108

===
Epoch 30/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.5922996997833252 seconds
 LR changed during epoch: 2.92e-04 -> 2.87e-04
total runtime to train this model was 26.57114052772522 seconds
Hyperparameteres for model 0 at epoch 30
lr: 0.0003285203901827075

weight_decay: 0.09294547529423315

drop_path: 0.27458284474522676

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3691048622131348 seconds
  Loss: 0.8150
  Train Accuracy: 70.99%
  Test Accuracy: 70.58%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6049840450286865 seconds

LR changed during epoch: 2.29e-04 -> 2.86e-04
total runtime to train this model was 26.34150266647339 seconds
Hyperparameteres for model 1 at epoch 30
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3532931804656982 seconds
  Loss: 0.8080
  Train Accuracy: 71.43%
  Test Accuracy: 70.66%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6030175685882568 seconds
 LR changed during epoch: 3.26e-04 -> 3.16e-04
total runtime to train this model was 27.15834927558899 seconds
Hyperparameteres for model 2 at epoch 30
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4397103786468506 seconds
  Loss: 0.7397
  Train Accuracy: 73.62%
  Test Accuracy: 72.77%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.804170846939087 seconds
 LR changed during epoch: 4.08e-04 -> 4.03e-04
total runtime to train this model was 26.27390480041504 seconds
Hyperparameteres for model 3 at epoch 30
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.7178845405578613 seconds
  Loss: 0.8023

Train Accuracy: 71.37%
  Test Accuracy: 71.00%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6180641651153564 seconds
 LR changed during epoch: 2.67e-04 -> 2.66e-04
total runtime to train this model was 26.401659965515137 seconds
Hyperparameteres for model 4 at epoch 30
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3390274047851562 seconds
  Loss: 0.7812
  Train Accuracy: 72.16%
  Test Accuracy: 71.40%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 30) ---

=== PBT Exploit & Explore ===
Top performers: [72.77]
Bottom performers: [70.58]
Member 0: lr changed from 0.0003285203901827075 to 0.0002542157092122411
Member 0: weight_decay changed from 0.09294547529423315 to 0.11561391509143476
Member 0: drop_path changed from 0.27458284474522676 to 0.34630255124594733
Member 0 copied from 2
  LR=2.54e-04, WD=0.116, DropPath=0.346, Warmup=5 epochs, Batch=256

==
Epoch 30 Summary:
==
Time: 155.40s (Avg member: 31.08s)
Population Mean Accuracy: 71.28%
Best Member Accuracy: 72.77%
Mean Batch Size: 256
Mean Learning Rate: 3.41e-04
Mean Weight Decay: 0.113

==
Epoch 31/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.643514633178711 seconds
 LR changed during epoch: 2.59e-07 -> 5.11e-05
total runtime to train this model was 25.95512366294861 seconds
Hyperparameteres for model 0 at epoch 31
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.287207841873169 seconds
  Loss: 0.6943
  Train Accuracy: 75.24%
  Test Accuracy: 74.76%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5964410305023193 seconds
 LR changed during epoch: 2.86e-04 -> 2.86e-04
total runtime to train this model was 26.126149892807007 seconds
Hyperparameteres for model 1 at epoch 31
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3083887100219727 seconds
  Loss: 0.8025
  Train Accuracy: 71.41%
  Test Accuracy: 70.52%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6276130676269531 seconds
 LR changed during epoch: 3.16e-04 -> 3.05e-04
total runtime to train this model was 26.095752954483032 seconds
Hyperparameteres for model 2 at epoch 31
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4333207607269287 seconds
  Loss: 0.7285
  Train Accuracy: 74.24%
  Test Accuracy: 74.28%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.8101139068603516 seconds

LR changed during epoch: 4.03e-04 -> 3.98e-04
total runtime to train this model was 26.043294668197632 seconds
Hyperparameteres for model 3 at epoch 31
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4320125579833984 seconds
  Loss: 0.7928
  Train Accuracy: 71.89%
  Test Accuracy: 70.65%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.583810567855835 seconds
 LR changed during epoch: 2.66e-04 -> 2.64e-04
total runtime to train this model was 26.685154676437378 seconds
Hyperparameteres for model 4 at epoch 31
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.418320894241333 seconds
  Loss: 0.7694
  Train Accuracy: 72.57%
  Test Accuracy: 71.61%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 31 Summary:
==
Time: 153.26s (Avg member: 30.65s)
Population Mean Accuracy: 72.36%
Best Member Accuracy: 74.76%
Mean Batch Size: 256
Mean Learning Rate: 3.41e-04
Mean Weight Decay: 0.113

==
Epoch 32/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5996623039245605 seconds
 LR changed during epoch: 5.11e-05 -> 1.02e-04
total runtime to train this model was 26.52697491645813 seconds

Hyperparameteres for model 0 at epoch 32
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3383607864379883 seconds
  Loss: 0.6648
  Train Accuracy: 76.52%
  Test Accuracy: 74.46%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6341373920440674 seconds
 LR changed during epoch: 2.86e-04 -> 2.85e-04
total runtime to train this model was 26.52441430091858 seconds
Hyperparameteres for model 1 at epoch 32
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.324810028076172 seconds
  Loss: 0.7920
  Train Accuracy: 72.11%
  Test Accuracy: 71.76%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6559157371520996 seconds
 LR changed during epoch: 3.05e-04 -> 2.94e-04
total runtime to train this model was 25.73355221748352 seconds
Hyperparameteres for model 2 at epoch 32
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7240655422210693 seconds
  Loss: 0.7084
  Train Accuracy: 74.76%
  Test Accuracy: 73.37%

Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.806391954421997 seconds
 LR changed during epoch: 3.98e-04 -> 3.93e-04
total runtime to train this model was 24.86688232421875 seconds
Hyperparameteres for model 3 at epoch 32
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4487178325653076 seconds
  Loss: 0.7740
  Train Accuracy: 72.51%
  Test Accuracy: 72.39%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5693387985229492 seconds
 LR changed during epoch: 2.64e-04 -> 2.62e-04
total runtime to train this model was 26.120145559310913 seconds
Hyperparameteres for model 4 at epoch 32
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2989437580108643 seconds
  Loss: 0.7570
  Train Accuracy: 73.24%
  Test Accuracy: 72.48%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 32 Summary:
==
Time: 152.39s (Avg member: 30.48s)
Population Mean Accuracy: 72.89%
Best Member Accuracy: 74.46%
Mean Batch Size: 256
Mean Learning Rate: 3.41e-04
Mean Weight Decay: 0.113

==
Epoch 33/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5964171886444092 seconds
 LR changed during epoch: 1.02e-04 -> 1.53e-04
total runtime to train this model was 26.26409101486206 seconds
Hyperparameteres for model 0 at epoch 33
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.258924961090088 seconds
  Loss: 0.6644
  Train Accuracy: 76.37%
  Test Accuracy: 74.68%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5773377418518066 seconds
 LR changed during epoch: 2.85e-04 -> 2.85e-04
total runtime to train this model was 25.924026012420654 seconds
Hyperparameteres for model 1 at epoch 33
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.329465866088867 seconds
  Loss: 0.7900
  Train Accuracy: 71.97%
  Test Accuracy: 71.54%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.627084732055664 seconds
 LR changed during epoch: 2.94e-04 -> 2.83e-04
total runtime to train this model was 25.792591094970703 seconds
Hyperparameteres for model 2 at epoch 33
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.269700765609741 seconds
  Loss: 0.6907
  Train Accuracy: 75.65%
  Test Accuracy: 74.34%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7530553340911865 seconds
 LR changed during epoch: 3.93e-04 -> 3.87e-04
total runtime to train this model was 25.159889936447144 seconds
Hyperparameteres for model 3 at epoch 33
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1440086364746094 seconds
  Loss: 0.7625
  Train Accuracy: 73.03%
  Test Accuracy: 72.36%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.692676067352295 seconds
 LR changed during epoch: 2.62e-04 -> 2.60e-04
total runtime to train this model was 25.456329107284546 seconds
Hyperparameteres for model 4 at epoch 33
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6542716026306152 seconds
  Loss: 0.7531
  Train Accuracy: 73.19%
  Test Accuracy: 72.98%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 33 Summary:
==
Time: 150.75s (Avg member: 30.15s)
Population Mean Accuracy: 73.18%
Best Member Accuracy: 74.68%
Mean Batch Size: 256
Mean Learning Rate: 3.41e-04

Mean Weight Decay: 0.113

==
Epoch 34/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6290185451507568 seconds
 LR changed during epoch: 1.53e-04 -> 2.04e-04
total runtime to train this model was 25.586029291152954 seconds
Hyperparameteres for model 0 at epoch 34
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2315571308135986 seconds
  Loss: 0.6738
  Train Accuracy: 76.15%
  Test Accuracy: 74.19%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6288623809814453 seconds
 LR changed during epoch: 2.85e-04 -> 2.83e-04
total runtime to train this model was 25.238080739974976 seconds
Hyperparameteres for model 1 at epoch 34
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2600903511047363 seconds
  Loss: 0.7747
  Train Accuracy: 72.39%
  Test Accuracy: 70.93%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5857861042022705 seconds
 LR changed during epoch: 2.83e-04 -> 2.72e-04
total runtime to train this model was 25.87109112739563 seconds
Hyperparameteres for model 2 at epoch 34
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.529512643814087 seconds
  Loss: 0.6781
  Train Accuracy: 76.02%
  Test Accuracy: 74.34%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6002731323242188 seconds
 LR changed during epoch: 3.87e-04 -> 3.81e-04
total runtime to train this model was 25.986135244369507 seconds
Hyperparameteres for model 3 at epoch 34
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0216283798217773 seconds
  Loss: 0.7479
  Train Accuracy: 73.46%
  Test Accuracy: 73.05%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.772562026977539 seconds
 LR changed during epoch: 2.60e-04 -> 2.57e-04
total runtime to train this model was 24.442067623138428 seconds
Hyperparameteres for model 4 at epoch 34
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.7348222732543945 seconds
  Loss: 0.7348
  Train Accuracy: 74.04%
  Test Accuracy: 72.65%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 34 Summary:
==

Time: 150.37s (Avg member: 30.07s)
Population Mean Accuracy: 73.03%
Best Member Accuracy: 74.34%
Mean Batch Size: 256
Mean Learning Rate: 3.41e-04
Mean Weight Decay: 0.113

==
Epoch 35/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6394505500793457 seconds
 LR changed during epoch: 2.04e-04 -> 2.54e-04
total runtime to train this model was 25.997357845306396 seconds
Hyperparameteres for model 0 at epoch 35
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6359851360321045 seconds
  Loss: 0.6839
  Train Accuracy: 75.63%
  Test Accuracy: 74.44%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5895450115203857 seconds
 LR changed during epoch: 2.83e-04 -> 2.82e-04
total runtime to train this model was 25.94997477531433 seconds
Hyperparameteres for model 1 at epoch 35
lr: 0.000286029303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.20916748046875 seconds
  Loss: 0.7678
  Train Accuracy: 72.67%
  Test Accuracy: 72.51%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6085944175720215 seconds
 LR changed during epoch: 2.72e-04 -> 2.61e-04
total runtime to train this model was 25.796950101852417 seconds
Hyperparameteres for model 2 at epoch 35

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3252475261688232 seconds
  Loss: 0.6582
  Train Accuracy: 76.51%
  Test Accuracy: 75.46%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.625473976135254 seconds
 LR changed during epoch: 3.81e-04 -> 3.74e-04
total runtime to train this model was 25.583991050720215 seconds
Hyperparameteres for model 3 at epoch 35
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3192975521087646 seconds
  Loss: 0.7330
  Train Accuracy: 74.12%
  Test Accuracy: 72.82%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7857253551483154 seconds
 LR changed during epoch: 2.57e-04 -> 2.55e-04
total runtime to train this model was 25.371177673339844 seconds
Hyperparameteres for model 4 at epoch 35
lr: 0.0002699376189335476

weight_decay: 0.15

drop_path: 0.22879885085635998

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0333850383758545 seconds
  Loss: 0.7330
  Train Accuracy: 74.03%
  Test Accuracy: 72.24%
Google Drive already mounted.

Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 35) ---

=== PBT Exploit & Explore ===
Top performers: [75.46]
Bottom performers: [72.24]
Member 4: lr changed from 0.0002699376189335476 to 0.0003017044222923767
Member 4: drop_path changed from 0.22879885085635998 to 0.2397570370638025
Member 4 copied from 2
  LR=3.02e-04, WD=0.150, DropPath=0.240, Warmup=5 epochs, Batch=256

==
Epoch 35 Summary:
==
Time: 150.76s (Avg member: 30.15s)
Population Mean Accuracy: 73.49%
Best Member Accuracy: 75.46%
Mean Batch Size: 256
Mean Learning Rate: 3.47e-04
Mean Weight Decay: 0.113

==
Epoch 36/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6761622428894043 seconds
 LR changed during epoch: 2.54e-04 -> 2.54e-04
total runtime to train this model was 25.049372673034668 seconds
Hyperparameteres for model 0 at epoch 36
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.00539231300354 seconds
  Loss: 0.6823
  Train Accuracy: 75.80%
  Test Accuracy: 74.04%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6285202503204346 seconds
 LR changed during epoch: 2.82e-04 -> 2.80e-04
total runtime to train this model was 25.482656717300415 seconds
Hyperparameteres for model 1 at epoch 36
lr: 0.000260299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.26408052444458 seconds
  Loss: 0.7566
  Train Accuracy: 73.10%
  Test Accuracy: 71.67%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5784764289855957 seconds
 LR changed during epoch: 2.61e-04 -> 2.50e-04
total runtime to train this model was 25.688181400299072 seconds
Hyperparameteres for model 2 at epoch 36
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2667837142944336 seconds
  Loss: 0.6439
  Train Accuracy: 77.13%
  Test Accuracy: 74.46%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6123156547546387 seconds
 LR changed during epoch: 3.74e-04 -> 3.67e-04
total runtime to train this model was 25.486398935317993 seconds
Hyperparameteres for model 3 at epoch 36
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2714550495147705 seconds
  Loss: 0.7122
  Train Accuracy: 74.59%
  Test Accuracy: 73.04%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5801825523376465 seconds
 LR changed during epoch: 3.08e-07 -> 6.06e-05
total runtime to train this model was 25.573561191558838 seconds
Hyperparameteres for model 4 at epoch 36
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2491862773895264 seconds
  Loss: 0.6009
  Train Accuracy: 78.68%
  Test Accuracy: 76.45%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 36 Summary:
==
Time: 148.61s (Avg member: 29.72s)
Population Mean Accuracy: 73.93%
Best Member Accuracy: 76.45%
Mean Batch Size: 256
Mean Learning Rate: 3.47e-04
Mean Weight Decay: 0.113

==
Epoch 37/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6750152111053467 seconds
 LR changed during epoch: 2.54e-04 -> 2.54e-04
total runtime to train this model was 25.049088954925537 seconds
Hyperparameteres for model 0 at epoch 37
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5161919593811035 seconds
  Loss: 0.6837
  Train Accuracy: 75.63%
  Test Accuracy: 74.42%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.7287418842315674 seconds
 LR changed during epoch: 2.80e-04 -> 2.78e-04
total runtime to train this model was 25.03751301765442 seconds
Hyperparameteres for model 1 at epoch 37
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4276154041290283 seconds
  Loss: 0.7501
  Train Accuracy: 73.19%
  Test Accuracy: 72.84%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5978844165802002 seconds
 LR changed during epoch: 2.50e-04 -> 2.39e-04
total runtime to train this model was 25.45316743850708 seconds
Hyperparameteres for model 2 at epoch 37
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.33917498588562 seconds
  Loss: 0.6343
  Train Accuracy: 77.47%
  Test Accuracy: 75.82%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5600099563598633 seconds
 LR changed during epoch: 3.67e-04 -> 3.60e-04
total runtime to train this model was 25.132800817489624 seconds
Hyperparameteres for model 3 at epoch 37
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.359152317047119 seconds
  Loss: 0.6986
  Train Accuracy: 75.25%
  Test Accuracy: 73.73%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---

built data in 1.5715231895446777 seconds
 LR changed during epoch: 6.06e-05 -> 1.21e-04
total runtime to train this model was 25.477368354797363 seconds
Hyperparameteres for model 4 at epoch 37
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3718996047973633 seconds
  Loss: 0.5873
  Train Accuracy: 79.24%
  Test Accuracy: 76.48%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 37 Summary:
==
Time: 148.65s (Avg member: 29.73s)
Population Mean Accuracy: 74.66%
Best Member Accuracy: 76.48%
Mean Batch Size: 256
Mean Learning Rate: 3.47e-04
Mean Weight Decay: 0.113

==
Epoch 38/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5679957866668701 seconds
 LR changed during epoch: 2.54e-04 -> 2.53e-04
total runtime to train this model was 25.445621252059937 seconds
Hyperparameteres for model 0 at epoch 38
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3816967010498047 seconds
  Loss: 0.6717
  Train Accuracy: 76.36%
  Test Accuracy: 75.36%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6207225322723389 seconds
 LR changed during epoch: 2.78e-04 -> 2.75e-04

total runtime to train this model was 25.286314010620117 seconds
Hyperparameteres for model 1 at epoch 38
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.319413661956787 seconds
  Loss: 0.7339
  Train Accuracy: 73.86%
  Test Accuracy: 73.01%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.7256839275360107 seconds
 LR changed during epoch: 2.39e-04 -> 2.28e-04
total runtime to train this model was 24.719828128814697 seconds
Hyperparameteres for model 2 at epoch 38
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.093122720718384 seconds
  Loss: 0.6152
  Train Accuracy: 78.21%
  Test Accuracy: 75.39%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7157185077667236 seconds
 LR changed during epoch: 3.60e-04 -> 3.52e-04
total runtime to train this model was 24.913655281066895 seconds
Hyperparameteres for model 3 at epoch 38
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9466092586517334 seconds
  Loss: 0.6916
  Train Accuracy: 75.50%

Test Accuracy: 73.82%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5675582885742188 seconds
 LR changed during epoch: 1.21e-04 -> 1.81e-04
total runtime to train this model was 25.471530199050903 seconds
Hyperparameteres for model 4 at epoch 38
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3295810222625732 seconds
  Loss: 0.5957
  Train Accuracy: 78.98%
  Test Accuracy: 76.12%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 38 Summary:
==
Time: 148.51s (Avg member: 29.70s)
Population Mean Accuracy: 74.74%
Best Member Accuracy: 76.12%
Mean Batch Size: 256
Mean Learning Rate: 3.47e-04
Mean Weight Decay: 0.113

==
Epoch 39/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5795729160308838 seconds
 LR changed during epoch: 2.53e-04 -> 2.52e-04
total runtime to train this model was 25.482338190078735 seconds
Hyperparameteres for model 0 at epoch 39
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.265251874923706 seconds
  Loss: 0.6600
  Train Accuracy: 76.59%
  Test Accuracy: 74.72%
Google Drive already mounted.

Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5583837032318115 seconds
 LR changed during epoch: 2.75e-04 -> 2.73e-04
total runtime to train this model was 25.284302949905396 seconds
Hyperparameteres for model 1 at epoch 39
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.290968656539917 seconds
  Loss: 0.7249
  Train Accuracy: 74.29%
  Test Accuracy: 72.80%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5668461322784424 seconds
 LR changed during epoch: 2.28e-04 -> 2.17e-04
total runtime to train this model was 25.663267135620117 seconds
Hyperparameteres for model 2 at epoch 39
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.411099672317505 seconds
  Loss: 0.6041
  Train Accuracy: 78.51%
  Test Accuracy: 75.37%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6942532062530518 seconds
 LR changed during epoch: 3.52e-04 -> 3.44e-04
total runtime to train this model was 24.724681615829468 seconds
Hyperparameteres for model 3 at epoch 39
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4070863723754883 seconds
  Loss: 0.6699
  Train Accuracy: 76.28%
  Test Accuracy: 73.57%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7660737037658691 seconds
 LR changed during epoch: 1.81e-04 -> 2.42e-04
total runtime to train this model was 24.511736631393433 seconds
Hyperparameteres for model 4 at epoch 39
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.459707260131836 seconds
  Loss: 0.6147
  Train Accuracy: 78.21%
  Test Accuracy: 75.63%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 39 Summary:
==
Time: 147.97s (Avg member: 29.59s)
Population Mean Accuracy: 74.42%
Best Member Accuracy: 75.63%
Mean Batch Size: 256
Mean Learning Rate: 3.47e-04
Mean Weight Decay: 0.113

==
Epoch 40/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5885448455810547 seconds
 LR changed during epoch: 2.52e-04 -> 2.51e-04
total runtime to train this model was 25.329779148101807 seconds
Hyperparameteres for model 0 at epoch 40
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.40889573097229 seconds
  Loss: 0.6555
  Train Accuracy: 76.64%
  Test Accuracy: 75.23%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6176609992980957 seconds
 LR changed during epoch: 2.73e-04 -> 2.70e-04
total runtime to train this model was 25.36790180206299 seconds
Hyperparameteres for model 1 at epoch 40
lr: 0.0002860299303411879

weight_decay: 0.1491941466318537

drop_path: 0.2809860487897563

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2671926021575928 seconds
  Loss: 0.7144
  Train Accuracy: 74.66%
  Test Accuracy: 73.51%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5595684051513672 seconds
 LR changed during epoch: 2.17e-04 -> 2.05e-04
total runtime to train this model was 25.155405282974243 seconds
Hyperparameteres for model 2 at epoch 40
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2458178997039795 seconds
  Loss: 0.5856
  Train Accuracy: 79.16%
  Test Accuracy: 75.70%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5839247703552246 seconds
 LR changed during epoch: 3.44e-04 -> 3.36e-04
total runtime to train this model was 25.485612630844116 seconds
Hyperparameteres for model 3 at epoch 40
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.227858304977417 seconds
  Loss: 0.6565
  Train Accuracy: 76.90%
  Test Accuracy: 74.75%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.555060625076294 seconds
 LR changed during epoch: 2.42e-04 -> 3.02e-04
total runtime to train this model was 25.522384881973267 seconds
Hyperparameteres for model 4 at epoch 40
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.323324203491211 seconds
  Loss: 0.6342
  Train Accuracy: 77.26%
  Test Accuracy: 75.46%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 40) ---

=== PBT Exploit & Explore ===
Top performers: [75.7]
Bottom performers: [73.51]
Member 1: lr changed from 0.0002860299303411879 to 0.0004325932627649219
Member 1: weight_decay changed from 0.1491941466318537 to 0.15
Member 1: drop_path changed from 0.2809860487897563 to 0.34542468120591596
Member 1 copied from 2
  LR=4.33e-04, WD=0.150, DropPath=0.345, Warmup=5 epochs, Batch=256

==
Epoch 40 Summary:
==
Time: 147.49s (Avg member: 29.50s)
Population Mean Accuracy: 74.93%
Best Member Accuracy: 75.70%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.113

==
Epoch 41/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.629096508026123 seconds
 LR changed during epoch: 2.51e-04 -> 2.49e-04
total runtime to train this model was 25.11916160583496 seconds
Hyperparameteres for model 0 at epoch 41
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4797914028167725 seconds
  Loss: 0.6444
  Train Accuracy: 77.08%
  Test Accuracy: 75.15%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.701967477798462 seconds
 LR changed during epoch: 4.41e-07 -> 8.70e-05
total runtime to train this model was 24.5533926486969 seconds
Hyperparameteres for model 1 at epoch 41
lr: 0.0004325932627649219

weight_decay: 0.15

drop_path: 0.34542468120591596

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3751578330993652 seconds
  Loss: 0.5530
  Train Accuracy: 80.41%
  Test Accuracy: 77.43%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.580502986907959 seconds
 LR changed during epoch: 2.05e-04 -> 1.94e-04
total runtime to train this model was 25.548641443252563 seconds
Hyperparameteres for model 2 at epoch 41
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.513580799102783 seconds
  Loss: 0.5750
  Train Accuracy: 79.59%
  Test Accuracy: 76.72%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5759546756744385 seconds
 LR changed during epoch: 3.36e-04 -> 3.27e-04
total runtime to train this model was 25.400718450546265 seconds
Hyperparameteres for model 3 at epoch 41
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.35099720954895 seconds
  Loss: 0.6477
  Train Accuracy: 77.13%
  Test Accuracy: 75.06%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5703189373016357 seconds
 LR changed during epoch: 3.02e-04 -> 3.02e-04
total runtime to train this model was 25.482948303222656 seconds
Hyperparameteres for model 4 at epoch 41
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2584071159362793 seconds
  Loss: 0.6421
  Train Accuracy: 77.36%
  Test Accuracy: 74.87%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 41 Summary:
==
Time: 148.49s (Avg member: 29.70s)
Population Mean Accuracy: 75.85%
Best Member Accuracy: 77.43%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.113

===
Epoch 42/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.5629427433013916 seconds
 LR changed during epoch: 2.49e-04 -> 2.47e-04
total runtime to train this model was 25.537946939468384 seconds
Hyperparameteres for model 0 at epoch 42
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.247253894805908 seconds
  Loss: 0.6375
  Train Accuracy: 77.43%
  Test Accuracy: 75.23%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6257121562957764 seconds
 LR changed during epoch: 8.70e-05 -> 1.73e-04
total runtime to train this model was 25.672429084777832 seconds
Hyperparameteres for model 1 at epoch 42
lr: 0.0004325932627649219

weight_decay: 0.15

drop_path: 0.34542468120591596

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2818498611450195 seconds
  Loss: 0.5514
  Train Accuracy: 80.25%
  Test Accuracy: 76.81%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6736392974853516 seconds
 LR changed during epoch: 1.94e-04 -> 1.83e-04
total runtime to train this model was 24.790771007537842 seconds
Hyperparameteres for model 2 at epoch 42
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.095944404602051 seconds
 Loss: 0.5605
 Train Accuracy: 80.29%
 Test Accuracy: 76.68%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6440746784210205 seconds
 LR changed during epoch: 3.27e-04 -> 3.18e-04
total runtime to train this model was 24.433515310287476 seconds
Hyperparameteres for model 3 at epoch 42
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.144589900970459 seconds
 Loss: 0.6311
 Train Accuracy: 77.75%
 Test Accuracy: 74.45%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5925350189208984 seconds
 LR changed during epoch: 3.02e-04 -> 3.01e-04
total runtime to train this model was 25.88677453994751 seconds
Hyperparameteres for model 4 at epoch 42
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3122129440307617 seconds
 Loss: 0.6314
 Train Accuracy: 77.56%
 Test Accuracy: 75.53%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 42 Summary:
==
Time: 148.88s (Avg member: 29.78s)

Population Mean Accuracy: 75.74%
Best Member Accuracy: 76.81%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.113

==
Epoch 43/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.620114803314209 seconds
 LR changed during epoch: 2.47e-04 -> 2.45e-04
total runtime to train this model was 25.96020817756653 seconds
Hyperparameteres for model 0 at epoch 43
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3825385570526123 seconds
  Loss: 0.6257
  Train Accuracy: 77.71%
  Test Accuracy: 76.08%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.635127067565918 seconds
 LR changed during epoch: 1.73e-04 -> 2.60e-04
total runtime to train this model was 25.9620099067688 seconds
Hyperparameteres for model 1 at epoch 43
lr: 0.0004325932627649219

weight_decay: 0.15

drop_path: 0.34542468120591596

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.373220443725586 seconds
  Loss: 0.5736
  Train Accuracy: 79.48%
  Test Accuracy: 75.65%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6279597282409668 seconds
 LR changed during epoch: 1.83e-04 -> 1.72e-04
total runtime to train this model was 26.256492376327515 seconds
Hyperparameteres for model 2 at epoch 43
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.441964626312256 seconds
 Loss: 0.5399
 Train Accuracy: 80.74%
 Test Accuracy: 76.43%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7347497940063477 seconds
 LR changed during epoch: 3.18e-04 -> 3.09e-04
total runtime to train this model was 25.119020462036133 seconds
Hyperparameteres for model 3 at epoch 43
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4983673095703125 seconds
 Loss: 0.6234
 Train Accuracy: 77.67%
 Test Accuracy: 75.29%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6105246543884277 seconds
 LR changed during epoch: 3.01e-04 -> 3.00e-04
total runtime to train this model was 26.30803680419922 seconds
Hyperparameteres for model 4 at epoch 43
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.335237741470337 seconds
 Loss: 0.6212
 Train Accuracy: 78.01%
 Test Accuracy: 75.16%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

```
================================================================
Epoch 43 Summary:
================================================================
Time: 152.19s (Avg member: 30.44s)
Population Mean Accuracy: 75.72%
Best Member Accuracy: 76.43%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.113


================================================================
Epoch 44/70
================================================================

--- Training Member 0 (Batch size: 256) ---
built data in 1.556675910949707 seconds
 LR changed during epoch: 2.45e-04 -> 2.42e-04
total runtime to train this model was 26.090792417526245 seconds
Hyperparameteres for model 0 at epoch 44
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256


_____ end of hyperparam printing _____
evaluation in 2.2977406978607178 seconds
  Loss: 0.6187
  Train Accuracy: 78.09%
  Test Accuracy: 75.92%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6038122177124023 seconds
 LR changed during epoch: 2.60e-04 -> 3.47e-04
total runtime to train this model was 26.14254903793335 seconds
Hyperparameteres for model 1 at epoch 44
lr: 0.0004325932627649219

weight_decay: 0.15

drop_path: 0.34542468120591596

warmup_epochs: 5

batch_size: 256


_____ end of hyperparam printing _____
evaluation in 2.3571009635925293 seconds
  Loss: 0.6071
  Train Accuracy: 78.39%
  Test Accuracy: 75.87%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
```

built data in 1.5824546813964844 seconds
 LR changed during epoch: 1.72e-04 -> 1.62e-04
total runtime to train this model was 25.88365411758423 seconds
Hyperparameteres for model 2 at epoch 44
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3401193618774414 seconds
  Loss: 0.5256
  Train Accuracy: 81.42%
  Test Accuracy: 77.36%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7233195304870605 seconds
 LR changed during epoch: 3.09e-04 -> 3.00e-04
total runtime to train this model was 25.443265438079834 seconds
Hyperparameteres for model 3 at epoch 44
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0097522735595703 seconds
  Loss: 0.6074
  Train Accuracy: 78.46%
  Test Accuracy: 76.13%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7308683395385742 seconds
 LR changed during epoch: 3.00e-04 -> 2.99e-04
total runtime to train this model was 25.20635724067688 seconds
Hyperparameteres for model 4 at epoch 44
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0948615074157715 seconds

Loss: 0.6200
  Train Accuracy: 78.03%
  Test Accuracy: 75.16%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 44 Summary:
==
Time: 151.32s (Avg member: 30.26s)
Population Mean Accuracy: 76.09%
Best Member Accuracy: 77.36%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.113

==
Epoch 45/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.624680757522583 seconds
 LR changed during epoch: 2.42e-04 -> 2.40e-04
total runtime to train this model was 25.96072506904602 seconds
Hyperparameteres for model 0 at epoch 45
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2917253971099854 seconds
  Loss: 0.6092
  Train Accuracy: 78.32%
  Test Accuracy: 76.24%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.593407154083252 seconds
 LR changed during epoch: 3.47e-04 -> 4.33e-04
total runtime to train this model was 25.943462133407593 seconds
Hyperparameteres for model 1 at epoch 45
lr: 0.0004325932627649219

weight_decay: 0.15

drop_path: 0.34542468120591596

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.33978271484375 seconds
  Loss: 0.6463
  Train Accuracy: 77.09%

Test Accuracy: 75.03%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6127195358276367 seconds
 LR changed during epoch: 1.62e-04 -> 1.51e-04
total runtime to train this model was 26.176175117492676 seconds
Hyperparameteres for model 2 at epoch 45
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3697385787963867 seconds
  Loss: 0.5164
  Train Accuracy: 81.57%
  Test Accuracy: 77.57%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6144723892211914 seconds
 LR changed during epoch: 3.00e-04 -> 2.90e-04
total runtime to train this model was 25.690751791000366 seconds
Hyperparameteres for model 3 at epoch 45
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9399237632751465 seconds
  Loss: 0.5902
  Train Accuracy: 78.97%
  Test Accuracy: 76.71%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.779500961303711 seconds
 LR changed during epoch: 2.99e-04 -> 2.97e-04
total runtime to train this model was 25.658358335494995 seconds
Hyperparameteres for model 4 at epoch 45
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.004199504852295 seconds
  Loss: 0.6094
  Train Accuracy: 78.28%
  Test Accuracy: 75.67%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 45) ---

=== PBT Exploit & Explore ===
Top performers: [77.57]
Bottom performers: [75.03]
Member 1: lr changed from 0.0004325932627649219 to 0.0002917678636034037
Member 1: drop_path changed from 0.34542468120591596 to 0.25079444230935527
Member 1 copied from 2
  LR=2.92e-04, WD=0.150, DropPath=0.251, Warmup=5 epochs, Batch=256

===
Epoch 45 Summary:
===
Time: 151.89s (Avg member: 30.38s)
Population Mean Accuracy: 76.24%
Best Member Accuracy: 77.57%
Mean Batch Size: 256
Mean Learning Rate: 3.48e-04
Mean Weight Decay: 0.113

===
Epoch 46/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.600254774093628 seconds
 LR changed during epoch: 2.40e-04 -> 2.37e-04
total runtime to train this model was 26.566426515579224 seconds
Hyperparameteres for model 0 at epoch 46
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3895368576049805 seconds
  Loss: 0.6054
  Train Accuracy: 78.37%
  Test Accuracy: 76.37%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.614560604095459 seconds
 LR changed during epoch: 2.98e-07 -> 5.87e-05
total runtime to train this model was 26.37633991241455 seconds

Hyperparameteres for model 1 at epoch 46
lr: 0.0002917678636034037

weight_decay: 0.15

drop_path: 0.25079444230935527

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2885303497314453 seconds
  Loss: 0.4864
  Train Accuracy: 82.78%
  Test Accuracy: 77.93%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.587416172027588 seconds
 LR changed during epoch: 1.51e-04 -> 1.41e-04
total runtime to train this model was 26.162320852279663 seconds
Hyperparameteres for model 2 at epoch 46
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3949060440063477 seconds
  Loss: 0.4995
  Train Accuracy: 82.33%
  Test Accuracy: 77.47%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7189288139343262 seconds
 LR changed during epoch: 2.90e-04 -> 2.80e-04
total runtime to train this model was 25.67859983444214 seconds
Hyperparameteres for model 3 at epoch 46
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3739089965820312 seconds
  Loss: 0.5767
  Train Accuracy: 79.35%
  Test Accuracy: 75.71%

Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6821370124816895 seconds
 LR changed during epoch: 2.97e-04 -> 2.95e-04
total runtime to train this model was 25.81037926673889 seconds
Hyperparameteres for model 4 at epoch 46
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6418652534484863 seconds
  Loss: 0.6026
  Train Accuracy: 78.29%
  Test Accuracy: 75.43%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 46 Summary:
==
Time: 153.16s (Avg member: 30.63s)
Population Mean Accuracy: 76.58%
Best Member Accuracy: 77.93%
Mean Batch Size: 256
Mean Learning Rate: 3.48e-04
Mean Weight Decay: 0.113

==
Epoch 47/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6333184242248535 seconds
 LR changed during epoch: 2.37e-04 -> 2.33e-04
total runtime to train this model was 26.144771337509155 seconds
Hyperparameteres for model 0 at epoch 47
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.317758560180664 seconds
  Loss: 0.5939
  Train Accuracy: 78.98%
  Test Accuracy: 75.96%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.581373691558838 seconds
 LR changed during epoch: 5.87e-05 -> 1.17e-04
total runtime to train this model was 26.359641551971436 seconds
Hyperparameteres for model 1 at epoch 47
lr: 0.0002917678636034037

weight_decay: 0.15

drop_path: 0.25079444230935527

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.395498752593994 seconds
  Loss: 0.4825
  Train Accuracy: 82.92%
  Test Accuracy: 78.21%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6165790557861328 seconds
 LR changed during epoch: 1.41e-04 -> 1.30e-04
total runtime to train this model was 25.816355228424072 seconds
Hyperparameteres for model 2 at epoch 47
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3077571392059326 seconds
  Loss: 0.4841
  Train Accuracy: 82.83%
  Test Accuracy: 78.16%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7313041687011719 seconds
 LR changed during epoch: 2.80e-04 -> 2.70e-04
total runtime to train this model was 25.502336502075195 seconds
Hyperparameteres for model 3 at epoch 47
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.193323850631714 seconds
  Loss: 0.5640
  Train Accuracy: 80.05%
  Test Accuracy: 76.75%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.691504716873169 seconds
 LR changed during epoch: 2.95e-04 -> 2.93e-04
total runtime to train this model was 26.06384587287903 seconds
Hyperparameteres for model 4 at epoch 47
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.757866621017456 seconds
  Loss: 0.5921
  Train Accuracy: 78.79%
  Test Accuracy: 76.13%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 47 Summary:
==
Time: 152.44s (Avg member: 30.49s)
Population Mean Accuracy: 77.04%
Best Member Accuracy: 78.21%
Mean Batch Size: 256
Mean Learning Rate: 3.48e-04
Mean Weight Decay: 0.113

==
Epoch 48/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.60005784034729 seconds
 LR changed during epoch: 2.33e-04 -> 2.30e-04
total runtime to train this model was 26.255501747131348 seconds
Hyperparameteres for model 0 at epoch 48
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.256657361984253 seconds

Loss: 0.5787
 Train Accuracy: 79.35%
 Test Accuracy: 76.74%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6210007667541504 seconds
 LR changed during epoch: 1.17e-04 -> 1.75e-04
total runtime to train this model was 26.168895721435547 seconds
Hyperparameteres for model 1 at epoch 48
lr: 0.0002917678636034037

weight_decay: 0.15

drop_path: 0.25079444230935527

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.290074110031128 seconds
 Loss: 0.5049
 Train Accuracy: 82.14%
 Test Accuracy: 77.29%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5905144214630127 seconds
 LR changed during epoch: 1.30e-04 -> 1.20e-04
total runtime to train this model was 26.403911352157593 seconds
Hyperparameteres for model 2 at epoch 48
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3241631984710693 seconds
 Loss: 0.4758
 Train Accuracy: 83.03%
 Test Accuracy: 77.87%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.611131191253662 seconds
 LR changed during epoch: 2.70e-04 -> 2.60e-04
total runtime to train this model was 26.050273180007935 seconds
Hyperparameteres for model 3 at epoch 48
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7395377159118652 seconds
  Loss: 0.5500
  Train Accuracy: 80.47%
  Test Accuracy: 76.16%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7536275386810303 seconds
 LR changed during epoch: 2.93e-04 -> 2.91e-04
total runtime to train this model was 25.363295078277588 seconds
Hyperparameteres for model 4 at epoch 48
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.193920850753784 seconds
  Loss: 0.5786
  Train Accuracy: 79.30%
  Test Accuracy: 76.26%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 48 Summary:
==
Time: 152.52s (Avg member: 30.50s)
Population Mean Accuracy: 76.86%
Best Member Accuracy: 77.87%
Mean Batch Size: 256
Mean Learning Rate: 3.48e-04
Mean Weight Decay: 0.113

==
Epoch 49/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6535181999206543 seconds
 LR changed during epoch: 2.30e-04 -> 2.26e-04
total runtime to train this model was 26.283560752868652 seconds
Hyperparameteres for model 0 at epoch 49
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4016811847686768 seconds
  Loss: 0.5720
  Train Accuracy: 79.68%
  Test Accuracy: 76.71%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5770843029022217 seconds
 LR changed during epoch: 1.75e-04 -> 2.34e-04
total runtime to train this model was 26.351191997528076 seconds
Hyperparameteres for model 1 at epoch 49
lr: 0.0002917678636034037

weight_decay: 0.15

drop_path: 0.25079444230935527

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3711605072021484 seconds
  Loss: 0.5241
  Train Accuracy: 81.52%
  Test Accuracy: 76.88%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5663630962371826 seconds
 LR changed during epoch: 1.20e-04 -> 1.11e-04
total runtime to train this model was 26.33519172668457 seconds
Hyperparameteres for model 2 at epoch 49
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3668465614318848 seconds
  Loss: 0.4525
  Train Accuracy: 83.97%
  Test Accuracy: 78.31%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6204395294189453 seconds
 LR changed during epoch: 2.60e-04 -> 2.50e-04
total runtime to train this model was 26.07079529762268 seconds
Hyperparameteres for model 3 at epoch 49

lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1264376640319824 seconds
  Loss: 0.5347
  Train Accuracy: 80.95%
  Test Accuracy: 76.84%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7692675590515137 seconds
 LR changed during epoch: 2.91e-04 -> 2.88e-04
total runtime to train this model was 25.65185546875 seconds
Hyperparameteres for model 4 at epoch 49
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.895136833190918 seconds
  Loss: 0.5795
  Train Accuracy: 79.52%
  Test Accuracy: 76.38%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

===
Epoch 49 Summary:
===
Time: 153.37s (Avg member: 30.67s)
Population Mean Accuracy: 77.02%
Best Member Accuracy: 78.31%
Mean Batch Size: 256
Mean Learning Rate: 3.48e-04
Mean Weight Decay: 0.113

===
Epoch 50/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.623274326324463 seconds
 LR changed during epoch: 2.26e-04 -> 2.22e-04
total runtime to train this model was 26.406633853912354 seconds
Hyperparameteres for model 0 at epoch 50
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.287336826324463 seconds
  Loss: 0.5682
  Train Accuracy: 79.78%
  Test Accuracy: 77.13%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.624243974685669 seconds
 LR changed during epoch: 2.34e-04 -> 2.92e-04
total runtime to train this model was 26.63662838935852 seconds
Hyperparameteres for model 1 at epoch 50
lr: 0.0002917678636034037

weight_decay: 0.15

drop_path: 0.25079444230935527

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3561084270477295 seconds
  Loss: 0.5530
  Train Accuracy: 80.34%
  Test Accuracy: 76.13%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5877995491027832 seconds
 LR changed during epoch: 1.11e-04 -> 1.01e-04
total runtime to train this model was 26.138395071029663 seconds
Hyperparameteres for model 2 at epoch 50
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.311052083969116 seconds
  Loss: 0.4432
  Train Accuracy: 84.37%
  Test Accuracy: 78.49%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7143828868865967 seconds
 LR changed during epoch: 2.50e-04 -> 2.40e-04
total runtime to train this model was 25.554121017456055 seconds
Hyperparameteres for model 3 at epoch 50
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2221598625183105 seconds
  Loss: 0.5234
  Train Accuracy: 81.27%
  Test Accuracy: 77.21%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.646491289138794 seconds
 LR changed during epoch: 2.88e-04 -> 2.84e-04
total runtime to train this model was 25.916272401809692 seconds
Hyperparameteres for model 4 at epoch 50
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6194097995758057 seconds
  Loss: 0.5686
  Train Accuracy: 79.79%
  Test Accuracy: 76.57%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 50) ---

=== PBT Exploit & Explore ===
Top performers: [78.49]
Bottom performers: [76.13]
Member 1: lr changed from 0.0002917678636034037 to 0.0003397845188987922
Member 1: weight_decay changed from 0.15 to 0.14081027580272165
Member 1: drop_path changed from 0.25079444230935527 to 0.15857705613064368
Member 1 copied from 2
  LR=3.40e-04, WD=0.141, DropPath=0.159, Warmup=5 epochs, Batch=256

==
Epoch 50 Summary:
==
Time: 152.94s (Avg member: 30.59s)
Population Mean Accuracy: 77.11%

Best Member Accuracy: 78.49%
Mean Batch Size: 256
Mean Learning Rate: 3.58e-04
Mean Weight Decay: 0.111

==
Epoch 51/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5689268112182617 seconds
 LR changed during epoch: 2.22e-04 -> 2.18e-04
total runtime to train this model was 25.564271450042725 seconds
Hyperparameteres for model 0 at epoch 51
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.312246561050415 seconds
  Loss: 0.5568
  Train Accuracy: 80.15%
  Test Accuracy: 77.47%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5635745525360107 seconds
 LR changed during epoch: 3.47e-07 -> 6.83e-05
total runtime to train this model was 25.72994375228882 seconds
Hyperparameteres for model 1 at epoch 51
lr: 0.0003397845188987922

weight_decay: 0.14081027580272165

drop_path: 0.15857705613064368

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.269162654876709 seconds
  Loss: 0.4354
  Train Accuracy: 84.57%
  Test Accuracy: 78.75%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5722651481628418 seconds
 LR changed during epoch: 1.01e-04 -> 9.23e-05
total runtime to train this model was 25.754469871520996 seconds
Hyperparameteres for model 2 at epoch 51
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.422203779220581 seconds
　Loss: 0.4319
　Train Accuracy: 84.68%
　Test Accuracy: 78.45%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5834717750549316 seconds
　LR changed during epoch: 2.40e-04 -> 2.30e-04
total runtime to train this model was 26.179396152496338 seconds
Hyperparameteres for model 3 at epoch 51
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.690885305404663 seconds
　Loss: 0.5045
　Train Accuracy: 81.95%
　Test Accuracy: 77.58%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7345714569091797 seconds
　LR changed during epoch: 2.84e-04 -> 2.81e-04
total runtime to train this model was 26.23487877845764 seconds
Hyperparameteres for model 4 at epoch 51
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.969811201095581 seconds
　Loss: 0.5617
　Train Accuracy: 80.00%
　Test Accuracy: 76.22%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

```
============================================================
Epoch 51 Summary:
============================================================
Time: 151.44s (Avg member: 30.29s)
Population Mean Accuracy: 77.69%
Best Member Accuracy: 78.75%
Mean Batch Size: 256
Mean Learning Rate: 3.58e-04
Mean Weight Decay: 0.111


============================================================
Epoch 52/70
============================================================

--- Training Member 0 (Batch size: 256) ---
built data in 1.5703678131103516 seconds
 LR changed during epoch: 2.18e-04 -> 2.14e-04
total runtime to train this model was 26.732102870941162 seconds
Hyperparameteres for model 0 at epoch 52
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.356602191925049 seconds
  Loss: 0.5438
  Train Accuracy: 80.75%
  Test Accuracy: 77.53%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6199321746826172 seconds
 LR changed during epoch: 6.83e-05 -> 1.36e-04
total runtime to train this model was 26.610170125961304 seconds
Hyperparameteres for model 1 at epoch 52
lr: 0.0003397845188987922

weight_decay: 0.14081027580272165

drop_path: 0.15857705613064368

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.290759563446045 seconds
  Loss: 0.4526
  Train Accuracy: 83.84%
  Test Accuracy: 77.87%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.571666955947876 seconds
```

LR changed during epoch: 9.23e-05 -> 8.35e-05
total runtime to train this model was 26.472327709197998 seconds
Hyperparameteres for model 2 at epoch 52
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2795908451080322 seconds
  Loss: 0.4229
  Train Accuracy: 84.91%
  Test Accuracy: 78.69%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7075622081756592 seconds
 LR changed during epoch: 2.30e-04 -> 2.20e-04
total runtime to train this model was 25.47528862953186 seconds
Hyperparameteres for model 3 at epoch 52
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1512789726257324 seconds
  Loss: 0.4927
  Train Accuracy: 82.57%
  Test Accuracy: 77.09%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6378858089447021 seconds
 LR changed during epoch: 2.81e-04 -> 2.77e-04
total runtime to train this model was 26.040380716323853 seconds
Hyperparameteres for model 4 at epoch 52
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4978344440460205 seconds
  Loss: 0.5557

Train Accuracy: 80.07%
  Test Accuracy: 76.55%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 52 Summary:
==
Time: 153.32s (Avg member: 30.66s)
Population Mean Accuracy: 77.55%
Best Member Accuracy: 78.69%
Mean Batch Size: 256
Mean Learning Rate: 3.58e-04
Mean Weight Decay: 0.111

==
Epoch 53/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5676274299621582 seconds
 LR changed during epoch: 2.14e-04 -> 2.09e-04
total runtime to train this model was 25.87769103050232 seconds
Hyperparameteres for model 0 at epoch 53
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.258185386657715 seconds
  Loss: 0.5351
  Train Accuracy: 80.90%
  Test Accuracy: 77.39%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.56626558303833 seconds
 LR changed during epoch: 1.36e-04 -> 2.04e-04
total runtime to train this model was 25.75349736213684 seconds
Hyperparameteres for model 1 at epoch 53
lr: 0.0003397845188987922

weight_decay: 0.14081027580272165

drop_path: 0.15857705613064368

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3383333683013916 seconds
  Loss: 0.4800
  Train Accuracy: 82.92%
  Test Accuracy: 77.15%

Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5765407085418701 seconds
 LR changed during epoch: 8.35e-05 -> 7.51e-05
total runtime to train this model was 25.552851915359497 seconds
Hyperparameteres for model 2 at epoch 53
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.263852119445801 seconds
  Loss: 0.4100
  Train Accuracy: 85.47%
  Test Accuracy: 78.80%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5630927085876465 seconds
 LR changed during epoch: 2.20e-04 -> 2.09e-04
total runtime to train this model was 25.49077320098877 seconds
Hyperparameteres for model 3 at epoch 53
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3258440494537354 seconds
  Loss: 0.4771
  Train Accuracy: 82.94%
  Test Accuracy: 77.72%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.744877576828003 seconds
 LR changed during epoch: 2.77e-04 -> 2.73e-04
total runtime to train this model was 25.023537158966064 seconds
Hyperparameteres for model 4 at epoch 53
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2190120220184326 seconds
  Loss: 0.5466
  Train Accuracy: 80.60%
  Test Accuracy: 77.17%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 53 Summary:
==
Time: 149.45s (Avg member: 29.89s)
Population Mean Accuracy: 77.65%
Best Member Accuracy: 78.80%
Mean Batch Size: 256
Mean Learning Rate: 3.58e-04
Mean Weight Decay: 0.111

==
Epoch 54/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6472995281219482 seconds
 LR changed during epoch: 2.09e-04 -> 2.04e-04
total runtime to train this model was 25.63538360595703 seconds
Hyperparameteres for model 0 at epoch 54
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4808499813079834 seconds
  Loss: 0.5278
  Train Accuracy: 81.33%
  Test Accuracy: 76.91%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6369104385375977 seconds
 LR changed during epoch: 2.04e-04 -> 2.72e-04
total runtime to train this model was 25.81149196624756 seconds
Hyperparameteres for model 1 at epoch 54
lr: 0.0003397845188987922

weight_decay: 0.14081027580272165

drop_path: 0.15857705613064368

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2680552005767822 seconds
 Loss: 0.5031
 Train Accuracy: 82.06%
 Test Accuracy: 76.96%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5602233409881592 seconds
 LR changed during epoch: 7.51e-05 -> 6.71e-05
total runtime to train this model was 25.924500226974487 seconds
Hyperparameteres for model 2 at epoch 54
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2518930435180664 seconds
 Loss: 0.3993
 Train Accuracy: 85.71%
 Test Accuracy: 78.21%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5807037353515625 seconds
 LR changed during epoch: 2.09e-04 -> 1.99e-04
total runtime to train this model was 25.801461458206177 seconds
Hyperparameteres for model 3 at epoch 54
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2344422340393066 seconds
 Loss: 0.4714
 Train Accuracy: 83.29%
 Test Accuracy: 78.05%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5677118301391602 seconds
 LR changed during epoch: 2.73e-04 -> 2.69e-04
total runtime to train this model was 25.789098978042603 seconds
Hyperparameteres for model 4 at epoch 54
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.305133104324341 seconds
  Loss: 0.5366
  Train Accuracy: 80.83%
  Test Accuracy: 76.77%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 54 Summary:
==
Time: 149.75s (Avg member: 29.95s)
Population Mean Accuracy: 77.38%
Best Member Accuracy: 78.21%
Mean Batch Size: 256
Mean Learning Rate: 3.58e-04
Mean Weight Decay: 0.111

==
Epoch 55/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.742262840270996 seconds
 LR changed during epoch: 2.04e-04 -> 2.00e-04
total runtime to train this model was 24.521833896636963 seconds
Hyperparameteres for model 0 at epoch 55
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9366278648376465 seconds
  Loss: 0.5166
  Train Accuracy: 81.57%
  Test Accuracy: 77.28%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6793782711029053 seconds
 LR changed during epoch: 2.72e-04 -> 3.40e-04
total runtime to train this model was 24.806734800338745 seconds
Hyperparameteres for model 1 at epoch 55
lr: 0.0003397845188987922

weight_decay: 0.14081027580272165

drop_path: 0.15857705613064368

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.042552947998047 seconds
  Loss: 0.5431
  Train Accuracy: 80.57%
  Test Accuracy: 75.79%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.565131425857544 seconds
 LR changed during epoch: 6.71e-05 -> 5.94e-05
total runtime to train this model was 25.58335781097412 seconds
Hyperparameteres for model 2 at epoch 55
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2643861770629883 seconds
  Loss: 0.3904
  Train Accuracy: 85.93%
  Test Accuracy: 78.78%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5579521656036377 seconds
 LR changed during epoch: 1.99e-04 -> 1.89e-04
total runtime to train this model was 25.85500741004944 seconds
Hyperparameteres for model 3 at epoch 55
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2178947925567627 seconds
  Loss: 0.4573
  Train Accuracy: 83.73%
  Test Accuracy: 78.30%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5781757831573486 seconds
 LR changed during epoch: 2.69e-04 -> 2.64e-04

total runtime to train this model was 26.40997576713562 seconds
Hyperparameteres for model 4 at epoch 55
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3322043418884277 seconds
  Loss: 0.5212
  Train Accuracy: 81.52%
  Test Accuracy: 75.96%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 55) ---

=== PBT Exploit & Explore ===
Top performers: [78.78]
Bottom performers: [75.79]
Member 1: lr changed from 0.0003397845188987922 to 0.0004183564179368109
Member 1: weight_decay changed from 0.14081027580272165 to 0.12440747345343983
Member 1: drop_path changed from 0.15857705613064368 to 0.20053568047847362
Member 1 copied from 2
  LR=4.18e-04, WD=0.124, DropPath=0.201, Warmup=5 epochs, Batch=256

==
Epoch 55 Summary:
==
Time: 149.40s (Avg member: 29.88s)
Population Mean Accuracy: 77.22%
Best Member Accuracy: 78.78%
Mean Batch Size: 256
Mean Learning Rate: 3.74e-04
Mean Weight Decay: 0.108

==
Epoch 56/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5888800621032715 seconds
 LR changed during epoch: 2.00e-04 -> 1.94e-04
total runtime to train this model was 25.98757576942444 seconds
Hyperparameteres for model 0 at epoch 56
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2786574363708496 seconds

Loss: 0.5068
  Train Accuracy: 81.98%
  Test Accuracy: 78.09%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6876604557037354 seconds
 LR changed during epoch: 4.27e-07 -> 8.41e-05
total runtime to train this model was 25.059929132461548 seconds
Hyperparameteres for model 1 at epoch 56
lr: 0.0004183564179368109

weight_decay: 0.12440747345343983

drop_path: 0.20053568047847362

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.417539358139038 seconds
  Loss: 0.4025
  Train Accuracy: 85.66%
  Test Accuracy: 78.75%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5828502178192139 seconds
 LR changed during epoch: 5.94e-05 -> 5.22e-05
total runtime to train this model was 25.36646866798401 seconds
Hyperparameteres for model 2 at epoch 56
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.574145793914795 seconds
  Loss: 0.3845
  Train Accuracy: 86.33%
  Test Accuracy: 78.89%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5687057971954346 seconds
 LR changed during epoch: 1.89e-04 -> 1.78e-04
total runtime to train this model was 26.080365896224976 seconds
Hyperparameteres for model 3 at epoch 56
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.425043821334839 seconds
  Loss: 0.4436
  Train Accuracy: 84.21%
  Test Accuracy: 78.65%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5908410549163818 seconds
 LR changed during epoch: 2.64e-04 -> 2.59e-04
total runtime to train this model was 25.932678937911987 seconds
Hyperparameteres for model 4 at epoch 56
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3353145122528076 seconds
  Loss: 0.5108
  Train Accuracy: 81.79%
  Test Accuracy: 77.08%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 56 Summary:
==
Time: 150.82s (Avg member: 30.16s)
Population Mean Accuracy: 78.29%
Best Member Accuracy: 78.89%
Mean Batch Size: 256
Mean Learning Rate: 3.74e-04
Mean Weight Decay: 0.108

==
Epoch 57/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5914087295532227 seconds
 LR changed during epoch: 1.94e-04 -> 1.89e-04
total runtime to train this model was 26.161152362823486 seconds
Hyperparameteres for model 0 at epoch 57
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3152871131896973 seconds
  Loss: 0.4987
  Train Accuracy: 82.14%
  Test Accuracy: 78.06%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.675497055053711 seconds
 LR changed during epoch: 8.41e-05 -> 1.68e-04
total runtime to train this model was 25.754862070083618 seconds
Hyperparameteres for model 1 at epoch 57
lr: 0.0004183564179368109

weight_decay: 0.12440747345343983

drop_path: 0.20053568047847362

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1602632999420166 seconds
  Loss: 0.4347
  Train Accuracy: 84.57%
  Test Accuracy: 78.18%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.660747766494751 seconds
 LR changed during epoch: 5.22e-05 -> 4.54e-05
total runtime to train this model was 25.86155605316162 seconds
Hyperparameteres for model 2 at epoch 57
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6451876163482666 seconds
  Loss: 0.3729
  Train Accuracy: 86.97%
  Test Accuracy: 78.94%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.556006908416748 seconds
 LR changed during epoch: 1.78e-04 -> 1.68e-04
total runtime to train this model was 26.060967922210693 seconds
Hyperparameteres for model 3 at epoch 57

lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2698824405670166 seconds
  Loss: 0.4305
  Train Accuracy: 84.65%
  Test Accuracy: 78.78%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5712158679962158 seconds
 LR changed during epoch: 2.59e-04 -> 2.54e-04
total runtime to train this model was 26.244848489761353 seconds
Hyperparameteres for model 4 at epoch 57
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.365173816680908 seconds
  Loss: 0.5051
  Train Accuracy: 82.17%
  Test Accuracy: 76.98%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 57 Summary:
==
Time: 152.20s (Avg member: 30.44s)
Population Mean Accuracy: 78.19%
Best Member Accuracy: 78.94%
Mean Batch Size: 256
Mean Learning Rate: 3.74e-04
Mean Weight Decay: 0.108

==
Epoch 58/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5874907970428467 seconds
 LR changed during epoch: 1.89e-04 -> 1.84e-04
total runtime to train this model was 26.14781427383423 seconds
Hyperparameteres for model 0 at epoch 58
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.239605188369751 seconds
  Loss: 0.4850
  Train Accuracy: 82.95%
  Test Accuracy: 78.39%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6027281284332275 seconds
 LR changed during epoch: 1.68e-04 -> 2.51e-04
total runtime to train this model was 25.698047637939453 seconds
Hyperparameteres for model 1 at epoch 58
lr: 0.0004183564179368109

weight_decay: 0.12440747345343983

drop_path: 0.20053568047847362

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.844196081161499 seconds
  Loss: 0.4713
  Train Accuracy: 83.00%
  Test Accuracy: 77.60%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.7233262062072754 seconds
 LR changed during epoch: 4.54e-05 -> 3.90e-05
total runtime to train this model was 24.766528844833374 seconds
Hyperparameteres for model 2 at epoch 58
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.241116523742676 seconds
  Loss: 0.3642
  Train Accuracy: 87.13%
  Test Accuracy: 78.83%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.65208101272583 seconds
 LR changed during epoch: 1.68e-04 -> 1.58e-04
total runtime to train this model was 26.41575598716736 seconds
Hyperparameteres for model 3 at epoch 58
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.321592330932617 seconds
  Loss: 0.4164
  Train Accuracy: 85.04%
  Test Accuracy: 78.70%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5674397945404053 seconds
 LR changed during epoch: 2.54e-04 -> 2.48e-04
total runtime to train this model was 26.32063579559326 seconds
Hyperparameteres for model 4 at epoch 58
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.353403329849243 seconds
  Loss: 0.4963
  Train Accuracy: 82.51%
  Test Accuracy: 77.68%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 58 Summary:
==
Time: 151.76s (Avg member: 30.35s)
Population Mean Accuracy: 78.24%
Best Member Accuracy: 78.83%
Mean Batch Size: 256
Mean Learning Rate: 3.74e-04
Mean Weight Decay: 0.108

==
Epoch 59/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5835835933685303 seconds

LR changed during epoch: 1.84e-04 -> 1.78e-04
total runtime to train this model was 26.60922408103943 seconds
Hyperparameteres for model 0 at epoch 59
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.370360851287842 seconds
  Loss: 0.4788
  Train Accuracy: 83.04%
  Test Accuracy: 77.99%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.66811203956604 seconds
 LR changed during epoch: 2.51e-04 -> 3.35e-04
total runtime to train this model was 26.492225646972656 seconds
Hyperparameteres for model 1 at epoch 59
lr: 0.0004183564179368109

weight_decay: 0.12440747345343983

drop_path: 0.20053568047847362

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.6533334255218506 seconds
  Loss: 0.5156
  Train Accuracy: 81.63%
  Test Accuracy: 76.13%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6143624782562256 seconds
 LR changed during epoch: 3.90e-05 -> 3.30e-05
total runtime to train this model was 26.75822639465332 seconds
Hyperparameteres for model 2 at epoch 59
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3406763076782227 seconds
  Loss: 0.3543

Train Accuracy: 87.33%
Test Accuracy: 78.86%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6017022132873535 seconds
 LR changed during epoch: 1.58e-04 -> 1.48e-04
total runtime to train this model was 26.160927057266235 seconds
Hyperparameteres for model 3 at epoch 59
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.366590976715088 seconds
 Loss: 0.4008
 Train Accuracy: 85.83%
 Test Accuracy: 78.46%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.6294763088226318 seconds
 LR changed during epoch: 2.48e-04 -> 2.43e-04
total runtime to train this model was 26.37617802619934 seconds
Hyperparameteres for model 4 at epoch 59
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.294088125228882 seconds
 Loss: 0.4856
 Train Accuracy: 82.64%
 Test Accuracy: 77.35%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 59 Summary:
==
Time: 154.84s (Avg member: 30.97s)
Population Mean Accuracy: 77.76%
Best Member Accuracy: 78.86%
Mean Batch Size: 256
Mean Learning Rate: 3.74e-04
Mean Weight Decay: 0.108

==

Epoch 60/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.60721755027771 seconds
 LR changed during epoch: 1.78e-04 -> 1.72e-04
total runtime to train this model was 26.367032527923584 seconds
Hyperparameteres for model 0 at epoch 60
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5700528621673584 seconds
  Loss: 0.4683
  Train Accuracy: 83.24%
  Test Accuracy: 78.23%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.7602598667144775 seconds
 LR changed during epoch: 3.35e-04 -> 4.18e-04
total runtime to train this model was 26.072377681732178 seconds
Hyperparameteres for model 1 at epoch 60
lr: 0.0004183564179368109

weight_decay: 0.12440747345343983

drop_path: 0.20053568047847362

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2183837890625 seconds
  Loss: 0.5569
  Train Accuracy: 80.10%
  Test Accuracy: 75.31%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.561483383178711 seconds
 LR changed during epoch: 3.30e-05 -> 2.76e-05
total runtime to train this model was 26.192049026489258 seconds
Hyperparameteres for model 2 at epoch 60
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3616809844970703 seconds
  Loss: 0.3547
  Train Accuracy: 87.34%
  Test Accuracy: 78.95%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.577350378036499 seconds
 LR changed during epoch: 1.48e-04 -> 1.39e-04
total runtime to train this model was 26.376996755599976 seconds
Hyperparameteres for model 3 at epoch 60
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3172085285186768 seconds
  Loss: 0.3897
  Train Accuracy: 86.03%
  Test Accuracy: 78.81%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5631742477416992 seconds
 LR changed during epoch: 2.43e-04 -> 2.37e-04
total runtime to train this model was 26.475384950637817 seconds
Hyperparameteres for model 4 at epoch 60
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.304229736328125 seconds
  Loss: 0.4718
  Train Accuracy: 83.26%
  Test Accuracy: 77.46%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 60) ---

=== PBT Exploit & Explore ===
Top performers: [78.95]
Bottom performers: [75.31]
Member 1: lr changed from 0.0004183564179368109 to 0.0004130905520318102

Member 1: weight_decay changed from 0.12440747345343983 to 0.1473940940550669
Member 1: drop_path changed from 0.20053568047847362 to 0.23536783506914344
Member 1 copied from 2
  LR=4.13e-04, WD=0.147, DropPath=0.235, Warmup=5 epochs, Batch=256

==
Epoch 60 Summary:
==
Time: 153.62s (Avg member: 30.72s)
Population Mean Accuracy: 77.75%
Best Member Accuracy: 78.95%
Mean Batch Size: 256
Mean Learning Rate: 3.73e-04
Mean Weight Decay: 0.112

==
Epoch 61/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6330554485321045 seconds
 LR changed during epoch: 1.72e-04 -> 1.67e-04
total runtime to train this model was 26.06577205657959 seconds
Hyperparameteres for model 0 at epoch 61
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.545513391494751 seconds
  Loss: 0.4612
  Train Accuracy: 83.50%
  Test Accuracy: 78.41%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.7351973056793213 seconds
 LR changed during epoch: 4.22e-07 -> 8.30e-05
total runtime to train this model was 25.24944257736206 seconds
Hyperparameteres for model 1 at epoch 61
lr: 0.0004130905520318102

weight_decay: 0.1473940940550669

drop_path: 0.23536783506914344

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.512324810028076 seconds
  Loss: 0.3768
  Train Accuracy: 86.65%
  Test Accuracy: 78.57%

Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5862011909484863 seconds
 LR changed during epoch: 2.76e-05 -> 2.26e-05
total runtime to train this model was 26.367568254470825 seconds
Hyperparameteres for model 2 at epoch 61
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.336864948272705 seconds
  Loss: 0.3446
  Train Accuracy: 87.73%
  Test Accuracy: 79.11%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5731918811798096 seconds
 LR changed during epoch: 1.39e-04 -> 1.29e-04
total runtime to train this model was 26.376067876815796 seconds
Hyperparameteres for model 3 at epoch 61
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3219504356384277 seconds
  Loss: 0.3802
  Train Accuracy: 86.43%
  Test Accuracy: 78.68%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5808780193328857 seconds
 LR changed during epoch: 2.37e-04 -> 2.31e-04
total runtime to train this model was 26.594120979309082 seconds
Hyperparameteres for model 4 at epoch 61
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3764333724975586 seconds
  Loss: 0.4611
  Train Accuracy: 83.67%
  Test Accuracy: 77.44%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 61 Summary:
==
Time: 153.14s (Avg member: 30.63s)
Population Mean Accuracy: 78.44%
Best Member Accuracy: 79.11%
Mean Batch Size: 256
Mean Learning Rate: 3.73e-04
Mean Weight Decay: 0.112

==
Epoch 62/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5964915752410889 seconds
 LR changed during epoch: 1.67e-04 -> 1.61e-04
total runtime to train this model was 26.061373949050903 seconds
Hyperparameteres for model 0 at epoch 62
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.721400499343872 seconds
  Loss: 0.4489
  Train Accuracy: 84.00%
  Test Accuracy: 78.26%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.761566162109375 seconds
 LR changed during epoch: 8.30e-05 -> 1.66e-04
total runtime to train this model was 25.472150325775146 seconds
Hyperparameteres for model 1 at epoch 62
lr: 0.0004130905520318102

weight_decay: 0.1473940940550669

drop_path: 0.23536783506914344

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2842042446136475 seconds
  Loss: 0.4142
  Train Accuracy: 85.20%
  Test Accuracy: 77.40%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5692689418792725 seconds
 LR changed during epoch: 2.26e-05 -> 1.81e-05
total runtime to train this model was 25.82416319847107 seconds
Hyperparameteres for model 2 at epoch 62
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.255420207977295 seconds
  Loss: 0.3419
  Train Accuracy: 87.86%
  Test Accuracy: 79.27%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5895800590515137 seconds
 LR changed during epoch: 1.29e-04 -> 1.20e-04
total runtime to train this model was 25.90050506591797 seconds
Hyperparameteres for model 3 at epoch 62
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.360462188720703 seconds
  Loss: 0.3660
  Train Accuracy: 86.80%
  Test Accuracy: 78.94%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5836646556854248 seconds
 LR changed during epoch: 2.31e-04 -> 2.24e-04
total runtime to train this model was 26.126505613327026 seconds
Hyperparameteres for model 4 at epoch 62
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.31003737449646 seconds
  Loss: 0.4534
  Train Accuracy: 83.89%
  Test Accuracy: 77.55%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 62 Summary:
==
Time: 151.68s (Avg member: 30.34s)
Population Mean Accuracy: 78.28%
Best Member Accuracy: 79.27%
Mean Batch Size: 256
Mean Learning Rate: 3.73e-04
Mean Weight Decay: 0.112

==
Epoch 63/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6246542930603027 seconds
 LR changed during epoch: 1.61e-04 -> 1.55e-04
total runtime to train this model was 26.184314012527466 seconds
Hyperparameteres for model 0 at epoch 63
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3080809116363525 seconds
  Loss: 0.4396
  Train Accuracy: 84.28%
  Test Accuracy: 78.78%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6893715858459473 seconds
 LR changed during epoch: 1.66e-04 -> 2.48e-04
total runtime to train this model was 25.08049464225769 seconds
Hyperparameteres for model 1 at epoch 63
lr: 0.0004130905520318102

weight_decay: 0.1473940940550669

drop_path: 0.23536783506914344

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2883503437042236 seconds
  Loss: 0.4585
  Train Accuracy: 83.60%
  Test Accuracy: 77.36%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6800661087036133 seconds
 LR changed during epoch: 1.81e-05 -> 1.42e-05
total runtime to train this model was 26.383567333221436 seconds
Hyperparameteres for model 2 at epoch 63
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3433029651641846 seconds
  Loss: 0.3338
  Train Accuracy: 88.22%
  Test Accuracy: 79.09%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5708682537078857 seconds
 LR changed during epoch: 1.20e-04 -> 1.11e-04
total runtime to train this model was 25.80107355117798 seconds
Hyperparameteres for model 3 at epoch 63
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2470614910125732 seconds
  Loss: 0.3557
  Train Accuracy: 87.44%
  Test Accuracy: 79.06%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.58087158203125 seconds
 LR changed during epoch: 2.24e-04 -> 2.18e-04

total runtime to train this model was 25.636828184127808 seconds
Hyperparameteres for model 4 at epoch 63
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.371373414993286 seconds
  Loss: 0.4420
  Train Accuracy: 84.53%
  Test Accuracy: 77.93%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 63 Summary:
==
Time: 151.17s (Avg member: 30.23s)
Population Mean Accuracy: 78.44%
Best Member Accuracy: 79.09%
Mean Batch Size: 256
Mean Learning Rate: 3.73e-04
Mean Weight Decay: 0.112

==
Epoch 64/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.596757411956787 seconds
 LR changed during epoch: 1.55e-04 -> 1.49e-04
total runtime to train this model was 25.714516639709473 seconds
Hyperparameteres for model 0 at epoch 64
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1957168579101562 seconds
  Loss: 0.4300
  Train Accuracy: 84.67%
  Test Accuracy: 78.60%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6028592586517334 seconds
 LR changed during epoch: 2.48e-04 -> 3.31e-04
total runtime to train this model was 25.546273708343506 seconds
Hyperparameteres for model 1 at epoch 64

lr: 0.0004130905520318102

weight_decay: 0.1473940940550669

drop_path: 0.23536783506914344

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.461289644241333 seconds
  Loss: 0.5054
  Train Accuracy: 82.10%
  Test Accuracy: 77.35%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.751556396484375 seconds
 LR changed during epoch: 1.42e-05 -> 1.07e-05
total runtime to train this model was 24.46809411048889 seconds
Hyperparameteres for model 2 at epoch 64
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2536613941192627 seconds
  Loss: 0.3309
  Train Accuracy: 88.34%
  Test Accuracy: 79.14%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.7436285018920898 seconds
 LR changed during epoch: 1.11e-04 -> 1.02e-04
total runtime to train this model was 25.2967631816864 seconds
Hyperparameteres for model 3 at epoch 64
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7740633487701416 seconds
  Loss: 0.3419
  Train Accuracy: 87.82%
  Test Accuracy: 78.68%
Google Drive already mounted.

Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.5984737873077393 seconds
 LR changed during epoch: 2.18e-04 -> 2.11e-04
total runtime to train this model was 25.84661364555359 seconds
Hyperparameteres for model 4 at epoch 64
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3106186389923096 seconds
  Loss: 0.4354
  Train Accuracy: 84.26%
  Test Accuracy: 77.87%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

===
Epoch 64 Summary:
===
Time: 149.46s (Avg member: 29.89s)
Population Mean Accuracy: 78.33%
Best Member Accuracy: 79.14%
Mean Batch Size: 256
Mean Learning Rate: 3.73e-04
Mean Weight Decay: 0.112

===
Epoch 65/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.6061866283416748 seconds
 LR changed during epoch: 1.49e-04 -> 1.43e-04
total runtime to train this model was 25.98489999771118 seconds
Hyperparameteres for model 0 at epoch 65
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2628562450408936 seconds
  Loss: 0.4234
  Train Accuracy: 84.84%
  Test Accuracy: 78.75%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5601580142974854 seconds
 LR changed during epoch: 3.31e-04 -> 4.13e-04
total runtime to train this model was 25.786582231521606 seconds
Hyperparameteres for model 1 at epoch 65
lr: 0.0004130905520318102

weight_decay: 0.1473940940550669

drop_path: 0.23536783506914344

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2828056812286377 seconds
  Loss: 0.5409
  Train Accuracy: 80.66%
  Test Accuracy: 76.03%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.6152746677398682 seconds
 LR changed during epoch: 1.07e-05 -> 7.74e-06
total runtime to train this model was 25.889504432678223 seconds
Hyperparameteres for model 2 at epoch 65
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0978097915649414 seconds
  Loss: 0.3314
  Train Accuracy: 88.21%
  Test Accuracy: 79.31%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.8320817947387695 seconds
 LR changed during epoch: 1.02e-04 -> 9.31e-05
total runtime to train this model was 25.783114433288574 seconds
Hyperparameteres for model 3 at epoch 65
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.030472993850708 seconds
  Loss: 0.3308
  Train Accuracy: 88.13%
  Test Accuracy: 79.09%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.590113639831543 seconds
 LR changed during epoch: 2.11e-04 -> 2.05e-04
total runtime to train this model was 26.232151746749878 seconds
Hyperparameteres for model 4 at epoch 65
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3001816272735596 seconds
  Loss: 0.4251
  Train Accuracy: 84.83%
  Test Accuracy: 78.27%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 65) ---

=== PBT Exploit & Explore ===
Top performers: [79.31]
Bottom performers: [76.03]
Member 1: lr changed from 0.0004130905520318102 to 0.0002957901678868629
Member 1: weight_decay changed from 0.1473940940550669 to 0.1387930382556192
Member 1: drop_path changed from 0.23536783506914344 to 0.16140898452169766
Member 1 copied from 2
  LR=2.96e-04, WD=0.139, DropPath=0.161, Warmup=5 epochs, Batch=256

==
Epoch 65 Summary:
==
Time: 152.17s (Avg member: 30.43s)
Population Mean Accuracy: 78.29%
Best Member Accuracy: 79.31%
Mean Batch Size: 256
Mean Learning Rate: 3.49e-04
Mean Weight Decay: 0.111

==
Epoch 66/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.5631356239318848 seconds
 LR changed during epoch: 1.43e-04 -> 1.37e-04
total runtime to train this model was 26.067455768585205 seconds
Hyperparameteres for model 0 at epoch 66
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.329129457473755 seconds
  Loss: 0.4143
  Train Accuracy: 85.21%
  Test Accuracy: 78.78%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5814564228057861 seconds
 LR changed during epoch: 3.02e-07 -> 5.95e-05
total runtime to train this model was 26.064122200012207 seconds
Hyperparameteres for model 1 at epoch 66
lr: 0.0002957901678868629

weight_decay: 0.1387930382556192

drop_path: 0.16140898452169766

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3106207847595215 seconds
  Loss: 0.3647
  Train Accuracy: 87.11%
  Test Accuracy: 78.92%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.628685712814331 seconds
 LR changed during epoch: 7.74e-06 -> 5.32e-06
total runtime to train this model was 25.89832305908203 seconds
Hyperparameteres for model 2 at epoch 66
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7061049938201904 seconds
  Loss: 0.3271
  Train Accuracy: 88.34%
  Test Accuracy: 79.20%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.758937120437622 seconds
 LR changed during epoch: 9.31e-05 -> 8.48e-05
total runtime to train this model was 25.108611822128296 seconds
Hyperparameteres for model 3 at epoch 66
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.183077335357666 seconds
  Loss: 0.3210
  Train Accuracy: 88.55%
  Test Accuracy: 79.14%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.631223440170288 seconds
 LR changed during epoch: 2.05e-04 -> 1.98e-04
total runtime to train this model was 25.878143072128296 seconds
Hyperparameteres for model 4 at epoch 66
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.221560001373291 seconds
  Loss: 0.4123
  Train Accuracy: 85.25%
  Test Accuracy: 78.40%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 66 Summary:
==
Time: 151.19s (Avg member: 30.24s)
Population Mean Accuracy: 78.89%
Best Member Accuracy: 79.20%
Mean Batch Size: 256
Mean Learning Rate: 3.49e-04
Mean Weight Decay: 0.111

==
Epoch 67/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.6154110431671143 seconds

LR changed during epoch: 1.37e-04 -> 1.31e-04
total runtime to train this model was 25.733299255371094 seconds
Hyperparameteres for model 0 at epoch 67
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.271538734436035 seconds
  Loss: 0.3966
  Train Accuracy: 85.90%
  Test Accuracy: 78.94%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5731253623962402 seconds
 LR changed during epoch: 5.95e-05 -> 1.19e-04
total runtime to train this model was 25.698517084121704 seconds
Hyperparameteres for model 1 at epoch 67
lr: 0.0002957901678868629

weight_decay: 0.1387930382556192

drop_path: 0.16140898452169766

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2475550174713135 seconds
  Loss: 0.3864
  Train Accuracy: 86.20%
  Test Accuracy: 78.78%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5770225524902344 seconds
 LR changed during epoch: 5.32e-06 -> 3.43e-06
total runtime to train this model was 25.19166660308838 seconds
Hyperparameteres for model 2 at epoch 67
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2009477615356445 seconds
  Loss: 0.3234

Train Accuracy: 88.59%
  Test Accuracy: 79.31%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.584517240524292 seconds
 LR changed during epoch: 8.48e-05 -> 7.68e-05
total runtime to train this model was 25.75956678390503 seconds
Hyperparameteres for model 3 at epoch 67
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0669498443603516 seconds
  Loss: 0.3085
  Train Accuracy: 89.19%
  Test Accuracy: 79.27%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7551333904266357 seconds
 LR changed during epoch: 1.98e-04 -> 1.91e-04
total runtime to train this model was 25.384096145629883 seconds
Hyperparameteres for model 4 at epoch 67
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2753026485443115 seconds
  Loss: 0.4059
  Train Accuracy: 85.50%
  Test Accuracy: 78.49%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 67 Summary:
==
Time: 150.21s (Avg member: 30.04s)
Population Mean Accuracy: 78.96%
Best Member Accuracy: 79.31%
Mean Batch Size: 256
Mean Learning Rate: 3.49e-04
Mean Weight Decay: 0.111

==

Epoch 68/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.5918712615966797 seconds
 LR changed during epoch: 1.31e-04 -> 1.25e-04
total runtime to train this model was 25.918591499328613 seconds
Hyperparameteres for model 0 at epoch 68
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5843160152435303 seconds
  Loss: 0.3907
  Train Accuracy: 85.98%
  Test Accuracy: 79.01%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.6023046970367432 seconds
 LR changed during epoch: 1.19e-04 -> 1.78e-04
total runtime to train this model was 25.89945960044861 seconds
Hyperparameteres for model 1 at epoch 68
lr: 0.0002957901678868629

weight_decay: 0.1387930382556192

drop_path: 0.16140898452169766

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.553948402404785 seconds
  Loss: 0.4199
  Train Accuracy: 85.08%
  Test Accuracy: 78.32%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5983829498291016 seconds
 LR changed during epoch: 3.43e-06 -> 2.08e-06
total runtime to train this model was 25.743762493133545 seconds
Hyperparameteres for model 2 at epoch 68
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2351412773132324 seconds
  Loss: 0.3173
  Train Accuracy: 88.79%
  Test Accuracy: 79.22%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6041381359100342 seconds
 LR changed during epoch: 7.68e-05 -> 6.90e-05
total runtime to train this model was 25.40540075302124 seconds
Hyperparameteres for model 3 at epoch 68
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3486084938049316 seconds
  Loss: 0.2965
  Train Accuracy: 89.34%
  Test Accuracy: 79.23%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.7127315998077393 seconds
 LR changed during epoch: 1.91e-04 -> 1.84e-04
total runtime to train this model was 25.343498945236206 seconds
Hyperparameteres for model 4 at epoch 68
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5368969440460205 seconds
  Loss: 0.3955
  Train Accuracy: 85.72%
  Test Accuracy: 79.13%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==
Epoch 68 Summary:
==
Time: 151.11s (Avg member: 30.22s)
Population Mean Accuracy: 78.98%
Best Member Accuracy: 79.23%

Mean Batch Size: 256
Mean Learning Rate: 3.49e-04
Mean Weight Decay: 0.111

===
Epoch 69/70
===

--- Training Member 0 (Batch size: 256) ---
built data in 1.579979658126831 seconds
 LR changed during epoch: 1.25e-04 -> 1.18e-04
total runtime to train this model was 26.410306215286255 seconds
Hyperparameteres for model 0 at epoch 69
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.237945795059204 seconds
  Loss: 0.3833
  Train Accuracy: 86.29%
  Test Accuracy: 78.76%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5894966125488281 seconds
 LR changed during epoch: 1.78e-04 -> 2.37e-04
total runtime to train this model was 26.03114604949951 seconds
Hyperparameteres for model 1 at epoch 69
lr: 0.0002957901678868629

weight_decay: 0.1387930382556192

drop_path: 0.16140898452169766

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3451826572418213 seconds
  Loss: 0.4519
  Train Accuracy: 83.72%
  Test Accuracy: 77.66%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5919733047485352 seconds
 LR changed during epoch: 2.08e-06 -> 1.27e-06
total runtime to train this model was 26.04660153388977 seconds
Hyperparameteres for model 2 at epoch 69
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3220033645629883 seconds
  Loss: 0.3209
  Train Accuracy: 88.62%
  Test Accuracy: 79.26%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.5725138187408447 seconds
 LR changed during epoch: 6.90e-05 -> 6.17e-05
total runtime to train this model was 25.86502432823181 seconds
Hyperparameteres for model 3 at epoch 69
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3057124614715576 seconds
  Loss: 0.2915
  Train Accuracy: 89.63%
  Test Accuracy: 79.47%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.718069314956665 seconds
 LR changed during epoch: 1.84e-04 -> 1.77e-04
total runtime to train this model was 25.90809965133667 seconds
Hyperparameteres for model 4 at epoch 69
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4111783504486084 seconds
  Loss: 0.3738
  Train Accuracy: 86.73%
  Test Accuracy: 78.54%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

==

Epoch 69 Summary:
==
Time: 152.16s (Avg member: 30.43s)
Population Mean Accuracy: 78.74%
Best Member Accuracy: 79.47%
Mean Batch Size: 256
Mean Learning Rate: 3.49e-04
Mean Weight Decay: 0.111

==
Epoch 70/70
==

--- Training Member 0 (Batch size: 256) ---
built data in 1.7094175815582275 seconds
 LR changed during epoch: 1.18e-04 -> 1.12e-04
total runtime to train this model was 25.994676113128662 seconds
Hyperparameteres for model 0 at epoch 70
lr: 0.0002542157092122411

weight_decay: 0.11561391509143476

drop_path: 0.34630255124594733

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3217709064483643 seconds
  Loss: 0.3758
  Train Accuracy: 86.51%
  Test Accuracy: 79.26%
Google Drive already mounted.
Member 0: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_0_seed_38042.pt

--- Training Member 1 (Batch size: 256) ---
built data in 1.5756819248199463 seconds
 LR changed during epoch: 2.37e-04 -> 2.96e-04
total runtime to train this model was 26.079684495925903 seconds
Hyperparameteres for model 1 at epoch 70
lr: 0.0002957901678868629

weight_decay: 0.1387930382556192

drop_path: 0.16140898452169766

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2693212032318115 seconds
  Loss: 0.4819
  Train Accuracy: 82.95%
  Test Accuracy: 76.97%
Google Drive already mounted.
Member 1: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_1_seed_38042.pt

--- Training Member 2 (Batch size: 256) ---
built data in 1.5720477104187012 seconds
 LR changed during epoch: 1.27e-06 -> 1.00e-06

total runtime to train this model was 26.126182794570923 seconds
Hyperparameteres for model 2 at epoch 70
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.21704259365986278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.327622175216675 seconds
  Loss: 0.3187
  Train Accuracy: 88.74%
  Test Accuracy: 79.30%
Google Drive already mounted.
Member 2: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_2_seed_38042.pt

--- Training Member 3 (Batch size: 256) ---
built data in 1.6204102039337158 seconds
 LR changed during epoch: 6.17e-05 -> 5.46e-05
total runtime to train this model was 25.861117839813232 seconds
Hyperparameteres for model 3 at epoch 70
lr: 0.0004278494819684526

weight_decay: 0.10763993920961751

drop_path: 0.1637883800887343

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2583956718444824 seconds
  Loss: 0.2818
  Train Accuracy: 90.10%
  Test Accuracy: 79.32%
Google Drive already mounted.
Member 3: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_3_seed_38042.pt

--- Training Member 4 (Batch size: 256) ---
built data in 1.663865566253662 seconds
 LR changed during epoch: 1.77e-04 -> 1.69e-04
total runtime to train this model was 24.87717318534851 seconds
Hyperparameteres for model 4 at epoch 70
lr: 0.0003017044222923767

weight_decay: 0.15

drop_path: 0.2397570370638025

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0127193927764893 seconds
  Loss: 0.3702
  Train Accuracy: 86.89%

Test Accuracy: 78.52%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Population Update (Epoch 70) ---

=== PBT Exploit & Explore ===
Top performers: [79.32]
Bottom performers: [76.97]
Member 1: lr changed from 0.0002957901678868629 to 0.0002554871959805272
Member 1: weight_decay changed from 0.1387930382556192 to 0.11945727676106856
Member 1: drop_path changed from 0.16140898452169766 to 0.23027228721951007
Member 1 copied from 3
  LR=2.55e-04, WD=0.119, DropPath=0.230, Warmup=5 epochs, Batch=256

==
Epoch 70 Summary:
==
Time: 150.52s (Avg member: 30.10s)
Population Mean Accuracy: 78.67%
Best Member Accuracy: 79.32%
Mean Batch Size: 256
Mean Learning Rate: 3.41e-04
Mean Weight Decay: 0.107

==
                PBT TRAINING COMPLETE
==
Best member: 3
Best accuracy: 79.32%

Best hyperparameters:
  Learning Rate: 4.28e-04
  Weight Decay: 0.108
  Drop Path Rate: 0.164
  Warmup Epochs: 5
  Batch Size: 256

==
                PBT TIMING REPORT
==

Overall Statistics   Value

Total runtime   10517.09s (175.28 min)
Number of epochs   70
Number of population updates   14

Epoch Timing   Value

Average epoch time   150.23s
Std epoch time   3.52s
Min epoch time   144.67s (epoch 12)
Max epoch time   169.47s (epoch 1)

Member Training Timing   Value

Average member time per epoch   30.04s
Total training time   10515.75s
Training efficiency   100.0%

Population Update Timing   Value

```
------------------------------------------------------------------
Average update time            0.02s
Total update time              0.21s
Update efficiency              0.0%
```

Batch Size Analysis	Avg Time	Samples
Batch size 256	30.04s	350

Per-Member Statistics	Avg Time	Total Time
Member 0	30.10s	2106.69s
Member 1	30.03s	2102.19s
Member 2	29.95s	2096.83s
Member 3	30.04s	2102.89s
Member 4	30.10s	2107.15s

```
======================================================================
```

Experiment completed successfully!
Results saved to: pbt_vit_timing_results.png
Detailed timing saved to: pbt_detailed_timing.png