

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-711007989.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: 10
Total epochs: 70
Exploit interval: 5 epochs
Checkpoints will be saved to: /content/drive/MyDrive/Colab_Checkpoints

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Epoch 1/70
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--- Training Member 0 (Batch size: 256) ---
█ 0%| 0.00/170M [00:00<?, ?B/s] █ 0%| 32.8k/170M [00:00<19:15, 147kB/s] █ 0%| 65.5k/170M [00:00
built data in 18.191834449768066 seconds
/tmp/ipython-input-951195887.py:690: FutureWarning: `torch.cuda.amp.autocast(args...)` is deprecated. Please use `torch.a
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 25.051671981811523 seconds
Hyperparameteres for model 0 at epoch 1
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.12303546707184179

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2972137928009033 seconds

Loss: 2.0483
Train Accuracy: 23.41%
Test Accuracy: 29.09%

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 1.6590735912322998 seconds
LR changed during epoch: 2.66e-07 -> 5.25e-05
total runtime to train this model was 25.8744797706604 seconds
Hyperparameteres for model 1 at epoch 1
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.318753719329834 seconds
Loss: 2.0287
Train Accuracy: 24.36%
Test Accuracy: 28.01%
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 1.5238440036773682 seconds
LR changed during epoch: 4.75e-07 -> 9.36e-05
total runtime to train this model was 26.241235494613647 seconds
Hyperparameteres for model 2 at epoch 1
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271
drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.353916645050049 seconds
Loss: 1.9837
Train Accuracy: 25.90%
Test Accuracy: 31.52%
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 1.7147314548492432 seconds
LR changed during epoch: 3.22e-07 -> 6.34e-05
total runtime to train this model was 25.426867723464966 seconds
Hyperparameteres for model 3 at epoch 1
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9656481742858887 seconds
Loss: 2.0097
Train Accuracy: 25.30%
Test Accuracy: 29.52%
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 1.5538361072540283 seconds
LR changed during epoch: 3.64e-07 -> 7.17e-05
total runtime to train this model was 25.647108554840088 seconds
Hyperparameteres for model 4 at epoch 1
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2670538425445557 seconds
Loss: 2.0032
Train Accuracy: 25.12%
Test Accuracy: 31.58%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5717031955718994 seconds
LR changed during epoch: 7.60e-07 -> 1.50e-04
total runtime to train this model was 25.651085376739502 seconds
Hyperparameteres for model 5 at epoch 1
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5484657287597656 seconds
Loss: 1.9652
Train Accuracy: 26.76%
Test Accuracy: 32.34%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.584632158279419 seconds
LR changed during epoch: 1.55e-07 -> 3.05e-05
total runtime to train this model was 25.939472675323486 seconds
Hyperparameteres for model 6 at epoch 1
lr: 0.00015149213518220596

weight_decay: 0.10611273339075902
drop_path: 0.08480085165804066
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2688236236572266 seconds
Loss: 2.0554
Train Accuracy: 23.47%
Test Accuracy: 29.24%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5825343132019043 seconds

LR changed during epoch: 3.32e-07 -> 6.54e-05
total runtime to train this model was 26.255558729171753 seconds
Hyperparameteres for model 7 at epoch 1
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.277190923690796 seconds
Loss: 2.0212
Train Accuracy: 24.75%
Test Accuracy: 30.19%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6873412132263184 seconds
LR changed during epoch: 4.13e-07 -> 8.14e-05
total runtime to train this model was 25.946208000183105 seconds
Hyperparameteres for model 8 at epoch 1
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7239832878112793 seconds
Loss: 2.0007
Train Accuracy: 25.48%
Test Accuracy: 30.63%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6042215824127197 seconds
LR changed during epoch: 9.42e-07 -> 1.86e-04
total runtime to train this model was 26.29270076751709 seconds
Hyperparameteres for model 9 at epoch 1
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.35182785987854 seconds
Loss: 1.9687

Train Accuracy: 26.37%
Test Accuracy: 31.01%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 1 Summary:

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Time: 376.21s (Avg member: 37.62s)
Population Mean Accuracy: 30.31%
Best Member Accuracy: 32.34%
Mean Batch Size: 256
Mean Learning Rate: 4.14e-04
Mean Weight Decay: 0.092

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Epoch 2/70

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--- Training Member 0 (Batch size: 256) ---
built data in 1.5982017517089844 seconds
LR changed during epoch: 3.81e-05 -> 7.60e-05
total runtime to train this model was 26.200984239578247 seconds
Hyperparameteres for model 0 at epoch 2
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.12303546707184179

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.314167022705078 seconds

Loss: 1.8355
Train Accuracy: 31.92%
Test Accuracy: 33.88%
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 1.575531005859375 seconds
LR changed during epoch: 5.25e-05 -> 1.05e-04
total runtime to train this model was 26.102425813674927 seconds
Hyperparameteres for model 1 at epoch 2
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2850677967071533 seconds
Loss: 1.8187
Train Accuracy: 32.25%
Test Accuracy: 34.05%

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 1.5685946941375732 seconds
LR changed during epoch: 9.36e-05 -> 1.87e-04
total runtime to train this model was 26.120874643325806 seconds
Hyperparameteres for model 2 at epoch 2
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271
drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3532166481018066 seconds
Loss: 1.7707
Train Accuracy: 34.21%
Test Accuracy: 34.03%
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 1.7111551761627197 seconds
LR changed during epoch: 6.34e-05 -> 1.27e-04
total runtime to train this model was 25.510297536849976 seconds
Hyperparameteres for model 3 at epoch 2
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5098958015441895 seconds
Loss: 1.7958
Train Accuracy: 33.38%
Test Accuracy: 34.68%
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 1.5780701637268066 seconds
LR changed during epoch: 7.17e-05 -> 1.43e-04
total runtime to train this model was 26.036061763763428 seconds
Hyperparameteres for model 4 at epoch 2
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567
drop_path: 0.10173156958188419
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3768763542175293 seconds

Loss: 1.7925

Train Accuracy: 33.23%

Test Accuracy: 34.41%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.593003749847412 seconds

LR changed during epoch: 1.50e-04 -> 2.99e-04

total runtime to train this model was 26.034866333007812 seconds

Hyperparameteres for model 5 at epoch 2

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2378528118133545 seconds

Loss: 1.7463

Train Accuracy: 35.25%

Test Accuracy: 39.49%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.5785071849822998 seconds

LR changed during epoch: 3.05e-05 -> 6.08e-05

total runtime to train this model was 25.806674480438232 seconds

Hyperparameteres for model 6 at epoch 2

lr: 0.00015149213518220596

weight_decay: 0.10611273339075902

drop_path: 0.08480085165804066

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.201688528060913 seconds

Loss: 1.8452

Train Accuracy: 31.63%

Test Accuracy: 33.72%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.5916979312896729 seconds

LR changed during epoch: 6.54e-05 -> 1.31e-04

total runtime to train this model was 25.591723442077637 seconds

Hyperparameteres for model 7 at epoch 2

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2177960872650146 seconds
Loss: 1.8037
Train Accuracy: 33.02%
Test Accuracy: 36.23%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6192140579223633 seconds
LR changed during epoch: 8.14e-05 -> 1.62e-04
total runtime to train this model was 25.622650861740112 seconds
Hyperparameteres for model 8 at epoch 2
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.882793426513672 seconds
Loss: 1.7730
Train Accuracy: 33.96%
Test Accuracy: 34.92%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7477805614471436 seconds
LR changed during epoch: 1.86e-04 -> 3.70e-04
total runtime to train this model was 25.172359228134155 seconds
Hyperparameteres for model 9 at epoch 2
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.209519624710083 seconds
Loss: 1.7360
Train Accuracy: 35.58%
Test Accuracy: 39.28%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 2 Summary:
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Time: 302.25s (Avg member: 30.23s)
Population Mean Accuracy: 35.47%
Best Member Accuracy: 39.49%
Mean Batch Size: 256
Mean Learning Rate: 4.14e-04
Mean Weight Decay: 0.092

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Epoch 3/70
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--- Training Member 0 (Batch size: 256) ---
built data in 1.5763213634490967 seconds
LR changed during epoch: 7.60e-05 -> 1.14e-04
total runtime to train this model was 25.76656675338745 seconds
Hyperparameteres for model 0 at epoch 3
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.12303546707184179

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2959814071655273 seconds

Loss: 1.7344
Train Accuracy: 35.59%
Test Accuracy: 38.29%

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 1.5762817859649658 seconds

LR changed during epoch: 1.05e-04 -> 1.57e-04
total runtime to train this model was 25.281367540359497 seconds
Hyperparameteres for model 1 at epoch 3

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.34468674659729 seconds

Loss: 1.7123
Train Accuracy: 36.30%
Test Accuracy: 38.29%

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 1.570288896560669 seconds
LR changed during epoch: 1.87e-04 -> 2.80e-04
total runtime to train this model was 25.531647443771362 seconds
Hyperparameteres for model 2 at epoch 3
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3222033977508545 seconds
Loss: 1.6546
Train Accuracy: 38.84%
Test Accuracy: 42.72%
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 1.5633161067962646 seconds
LR changed during epoch: 1.27e-04 -> 1.90e-04
total runtime to train this model was 25.53512740135193 seconds
Hyperparameteres for model 3 at epoch 3
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.26306414604187 seconds
Loss: 1.6987
Train Accuracy: 36.97%
Test Accuracy: 37.34%
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 1.6178123950958252 seconds
LR changed during epoch: 1.43e-04 -> 2.14e-04
total runtime to train this model was 25.456678867340088 seconds
Hyperparameteres for model 4 at epoch 3
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2685539722442627 seconds

Loss: 1.6831
Train Accuracy: 37.63%
Test Accuracy: 37.31%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.7143433094024658 seconds
LR changed during epoch: 2.99e-04 -> 4.48e-04
total runtime to train this model was 24.84613609313965 seconds
Hyperparameteres for model 5 at epoch 3
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.036163091659546 seconds
Loss: 1.5934
Train Accuracy: 41.33%
Test Accuracy: 44.23%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7387588024139404 seconds
LR changed during epoch: 6.08e-05 -> 9.10e-05
total runtime to train this model was 25.53105878829956 seconds
Hyperparameteres for model 6 at epoch 3
lr: 0.00015149213518220596

weight_decay: 0.10611273339075902
drop_path: 0.08480085165804066
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.824662446975708 seconds
Loss: 1.7551
Train Accuracy: 34.99%
Test Accuracy: 36.41%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5823044776916504 seconds
LR changed during epoch: 1.31e-04 -> 1.96e-04
total runtime to train this model was 26.026201963424683 seconds
Hyperparameteres for model 7 at epoch 3
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.232048988342285 seconds
Loss: 1.6974
Train Accuracy: 37.29%
Test Accuracy: 39.19%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5591843128204346 seconds
LR changed during epoch: 1.62e-04 -> 2.43e-04
total runtime to train this model was 25.909680604934692 seconds
Hyperparameteres for model 8 at epoch 3
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2781178951263428 seconds
Loss: 1.6489
Train Accuracy: 38.90%
Test Accuracy: 42.14%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5576107501983643 seconds
LR changed during epoch: 3.70e-04 -> 5.55e-04
total runtime to train this model was 26.141616106033325 seconds
Hyperparameteres for model 9 at epoch 3
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.333064317703247 seconds
Loss: 1.5994
Train Accuracy: 41.07%
Test Accuracy: 39.38%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 3 Summary:

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Time: 298.63s (Avg member: 29.86s)
Population Mean Accuracy: 39.53%
Best Member Accuracy: 44.23%
Mean Batch Size: 256
Mean Learning Rate: 4.14e-04
Mean Weight Decay: 0.092

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Epoch 4/70
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--- Training Member 0 (Batch size: 256) ---
built data in 1.567662239074707 seconds
LR changed during epoch: 1.14e-04 -> 1.52e-04
total runtime to train this model was 26.097219944000244 seconds
Hyperparameteres for model 0 at epoch 4
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.12303546707184179

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4026851654052734 seconds
Loss: 1.6492
Train Accuracy: 38.99%
Test Accuracy: 40.61%
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 1.7322368621826172 seconds
LR changed during epoch: 1.57e-04 -> 2.09e-04
total runtime to train this model was 25.353665590286255 seconds
Hyperparameteres for model 1 at epoch 4
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5251736640930176 seconds
Loss: 1.5983
Train Accuracy: 41.23%
Test Accuracy: 44.07%
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 1.584779977798462 seconds
LR changed during epoch: 2.80e-04 -> 3.73e-04
total runtime to train this model was 26.205054998397827 seconds
Hyperparameteres for model 2 at epoch 4

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2731776237487793 seconds

Loss: 1.5383

Train Accuracy: 43.53%

Test Accuracy: 43.28%

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 1.5666487216949463 seconds

LR changed during epoch: 1.90e-04 -> 2.53e-04

total runtime to train this model was 25.712642908096313 seconds

Hyperparameteres for model 3 at epoch 4

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.240372657775879 seconds

Loss: 1.5772

Train Accuracy: 41.93%

Test Accuracy: 42.85%

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 1.5987393856048584 seconds

LR changed during epoch: 2.14e-04 -> 2.86e-04

total runtime to train this model was 25.83873963356018 seconds

Hyperparameteres for model 4 at epoch 4

lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2231154441833496 seconds

Loss: 1.5780

Train Accuracy: 42.22%

Test Accuracy: 45.43%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.565324068069458 seconds

LR changed during epoch: 4.48e-04 -> 5.96e-04

total runtime to train this model was 25.503467082977295 seconds

Hyperparameteres for model 5 at epoch 4

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2455785274505615 seconds

Loss: 1.5017

Train Accuracy: 44.98%

Test Accuracy: 45.68%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.5874130725860596 seconds

LR changed during epoch: 9.10e-05 -> 1.21e-04

total runtime to train this model was 25.430230617523193 seconds

Hyperparameteres for model 6 at epoch 4

lr: 0.00015149213518220596

weight_decay: 0.10611273339075902

drop_path: 0.08480085165804066

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.40034818649292 seconds

Loss: 1.6730

Train Accuracy: 38.13%

Test Accuracy: 40.01%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.7291808128356934 seconds

LR changed during epoch: 1.96e-04 -> 2.61e-04

total runtime to train this model was 24.666085720062256 seconds

Hyperparameteres for model 7 at epoch 4

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.165055274963379 seconds
Loss: 1.5812
Train Accuracy: 42.07%
Test Accuracy: 44.22%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.605100154876709 seconds
LR changed during epoch: 2.43e-04 -> 3.24e-04
total runtime to train this model was 25.02307939529419 seconds
Hyperparameteres for model 8 at epoch 4
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.731473445892334 seconds
Loss: 1.5386
Train Accuracy: 43.58%
Test Accuracy: 47.39%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5662806034088135 seconds
LR changed during epoch: 5.55e-04 -> 7.40e-04
total runtime to train this model was 25.430190086364746 seconds
Hyperparameteres for model 9 at epoch 4
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.22104549407959 seconds
Loss: 1.5199
Train Accuracy: 44.57%
Test Accuracy: 45.18%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 4 Summary:

=====

Time: 299.26s (Avg member: 29.93s)
Population Mean Accuracy: 43.87%
Best Member Accuracy: 47.39%
Mean Batch Size: 256

Mean Learning Rate: 4.14e-04
Mean Weight Decay: 0.092

=====
Epoch 5/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.5647621154785156 seconds
LR changed during epoch: 1.52e-04 -> 1.89e-04
total runtime to train this model was 25.555320024490356 seconds
Hyperparameteres for model 0 at epoch 5
lr: 0.0001894099367645819

weight_decay: 0.09616745871263249

drop_path: 0.12303546707184179

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.279794692993164 seconds
Loss: 1.5576
Train Accuracy: 43.24%
Test Accuracy: 45.25%
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 1.5727458000183105 seconds
LR changed during epoch: 2.09e-04 -> 2.61e-04
total runtime to train this model was 26.01014804840088 seconds
Hyperparameteres for model 1 at epoch 5
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.221759796142578 seconds
Loss: 1.5006
Train Accuracy: 45.36%
Test Accuracy: 46.94%
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 1.5872273445129395 seconds
LR changed during epoch: 3.73e-04 -> 4.66e-04
total runtime to train this model was 25.844343423843384 seconds
Hyperparameteres for model 2 at epoch 5
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.293889284133911 seconds
Loss: 1.4738
Train Accuracy: 46.52%
Test Accuracy: 49.13%
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 1.6878881454467773 seconds
LR changed during epoch: 2.53e-04 -> 3.16e-04
total runtime to train this model was 25.287309885025024 seconds
Hyperparameteres for model 3 at epoch 5
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7775139808654785 seconds
Loss: 1.4805
Train Accuracy: 46.10%
Test Accuracy: 45.63%
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 1.698779821395874 seconds
LR changed during epoch: 2.86e-04 -> 3.57e-04
total runtime to train this model was 25.773444890975952 seconds
Hyperparameteres for model 4 at epoch 5
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1709256172180176 seconds
Loss: 1.4845
Train Accuracy: 46.06%
Test Accuracy: 48.74%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5926663875579834 seconds

LR changed during epoch: 5.96e-04 -> 7.45e-04
total runtime to train this model was 26.64024257659912 seconds
Hyperparameteres for model 5 at epoch 5
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.223430871963501 seconds
Loss: 1.4377
Train Accuracy: 47.64%
Test Accuracy: 46.96%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.558168888092041 seconds
LR changed during epoch: 1.21e-04 -> 1.51e-04
total runtime to train this model was 26.351841688156128 seconds
Hyperparameteres for model 6 at epoch 5
lr: 0.00015149213518220596

weight_decay: 0.10611273339075902

drop_path: 0.08480085165804066

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3046529293060303 seconds
Loss: 1.5793
Train Accuracy: 42.33%
Test Accuracy: 43.99%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5997936725616455 seconds
LR changed during epoch: 2.61e-04 -> 3.25e-04
total runtime to train this model was 25.895721197128296 seconds
Hyperparameteres for model 7 at epoch 5
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2511494159698486 seconds
Loss: 1.4827

Train Accuracy: 45.96%
Test Accuracy: 47.58%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.631899118423462 seconds
LR changed during epoch: 3.24e-04 -> 4.05e-04
total runtime to train this model was 25.504305124282837 seconds
Hyperparameteres for model 8 at epoch 5
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4911251068115234 seconds
Loss: 1.4467
Train Accuracy: 47.26%
Test Accuracy: 49.03%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7060258388519287 seconds
LR changed during epoch: 7.40e-04 -> 9.23e-04
total runtime to train this model was 24.32138729095459 seconds
Hyperparameteres for model 9 at epoch 5
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.332253932952881 seconds
Loss: 1.4682
Train Accuracy: 46.51%
Test Accuracy: 46.58%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [49.13, 49.03]
Bottom performers: [45.25, 43.99]
Member 0 copied from 8
Member 0: lr changed from 0.0001894099367645819 to 0.00014203408449340235
Member 0: weight_decay changed from 0.09616745871263249 to 0.10763842785814239
Member 0: drop_path changed from 0.12303546707184179 to 0.09362805338568464
Member 0 copied from 8
LR=1.42e-04, WD=0.108, DropPath=0.094, Warmup=5 epochs, Batch=256

Member 6 copied from 8

Member 6: lr changed from 0.00015149213518220596 to 0.00016932003515315075

Member 6: weight_decay changed from 0.10611273339075902 to 0.12227240798686406

Member 6: drop_path changed from 0.08480085165804066 to 0.08918412614101767

Member 6 copied from 8

LR=1.69e-04, WD=0.122, DropPath=0.089, Warmup=5 epochs, Batch=256

=====

Epoch 5 Summary:

=====

Time: 301.22s (Avg member: 30.12s)

Population Mean Accuracy: 46.98%

Best Member Accuracy: 49.13%

Mean Batch Size: 256

Mean Learning Rate: 4.11e-04

Mean Weight Decay: 0.095

=====

Epoch 6/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6211915016174316 seconds

LR changed during epoch: 1.45e-07 -> 2.86e-05

total runtime to train this model was 25.02396011352539 seconds

Hyperparameteres for model 0 at epoch 6

lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.8232460021972656 seconds

Loss: 1.3444

Train Accuracy: 51.32%

Test Accuracy: 52.75%

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 1.564758539199829 seconds

LR changed during epoch: 2.61e-04 -> 2.61e-04

total runtime to train this model was 25.703531980514526 seconds

Hyperparameteres for model 1 at epoch 6

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.250670909881592 seconds

Loss: 1.4126

Train Accuracy: 48.38%
Test Accuracy: 51.46%
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 1.5646255016326904 seconds
LR changed during epoch: 4.66e-04 -> 4.66e-04
total runtime to train this model was 25.655662298202515 seconds
Hyperparameteres for model 2 at epoch 6
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.291224479675293 seconds
Loss: 1.4077
Train Accuracy: 48.62%
Test Accuracy: 48.39%
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 1.5818321704864502 seconds
LR changed during epoch: 3.16e-04 -> 3.15e-04
total runtime to train this model was 26.28029727935791 seconds
Hyperparameteres for model 3 at epoch 6
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.309832811355591 seconds
Loss: 1.4081
Train Accuracy: 48.95%
Test Accuracy: 48.46%
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 1.570206642150879 seconds
LR changed during epoch: 3.57e-04 -> 3.56e-04
total runtime to train this model was 25.80758237838745 seconds
Hyperparameteres for model 4 at epoch 6
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2711575031280518 seconds
Loss: 1.4095
Train Accuracy: 48.69%
Test Accuracy: 49.55%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.701390266418457 seconds
LR changed during epoch: 7.45e-04 -> 7.44e-04
total runtime to train this model was 25.312164068222046 seconds
Hyperparameteres for model 5 at epoch 6
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.440413236618042 seconds
Loss: 1.4008
Train Accuracy: 49.27%
Test Accuracy: 48.61%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6065304279327393 seconds
LR changed during epoch: 1.73e-07 -> 3.40e-05
total runtime to train this model was 26.02193593978882 seconds
Hyperparameteres for model 6 at epoch 6
lr: 0.00016932003515315075

weight_decay: 0.12227240798686406
drop_path: 0.08918412614101767

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3053102493286133 seconds
Loss: 1.3344
Train Accuracy: 51.70%
Test Accuracy: 53.08%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5874443054199219 seconds
LR changed during epoch: 3.25e-04 -> 3.25e-04
total runtime to train this model was 26.052797079086304 seconds

Hyperparameteres for model 7 at epoch 6

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2835443019866943 seconds

Loss: 1.4156

Train Accuracy: 48.74%

Test Accuracy: 50.94%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.5628995895385742 seconds

LR changed during epoch: 4.05e-04 -> 4.05e-04

total runtime to train this model was 25.824876308441162 seconds

Hyperparameteres for model 8 at epoch 6

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.295663595199585 seconds

Loss: 1.3845

Train Accuracy: 49.58%

Test Accuracy: 50.77%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5912606716156006 seconds

LR changed during epoch: 9.23e-04 -> 9.23e-04

total runtime to train this model was 25.921578645706177 seconds

Hyperparameteres for model 9 at epoch 6

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2800986766815186 seconds

Loss: 1.4295

Train Accuracy: 47.97%

Test Accuracy: 47.85%

Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 6 Summary:
=====

Time: 300.51s (Avg member: 30.05s)

Population Mean Accuracy: 50.19%

Best Member Accuracy: 53.08%

Mean Batch Size: 256

Mean Learning Rate: 4.11e-04

Mean Weight Decay: 0.095

=====
Epoch 7/70
=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6629526615142822 seconds

LR changed during epoch: 2.86e-05 -> 5.70e-05

total runtime to train this model was 26.003535985946655 seconds

Hyperparameteres for model 0 at epoch 7

lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0403053760528564 seconds

Loss: 1.2952

Train Accuracy: 52.96%

Test Accuracy: 53.41%

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 1.7365779876708984 seconds

LR changed during epoch: 2.61e-04 -> 2.60e-04

total runtime to train this model was 25.54713463783264 seconds

Hyperparameteres for model 1 at epoch 7

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9101788997650146 seconds

Loss: 1.3490

Train Accuracy: 51.25%

Test Accuracy: 52.08%

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 1.5631442070007324 seconds
LR changed during epoch: 4.66e-04 -> 4.65e-04
total runtime to train this model was 25.72847819328308 seconds
Hyperparameteres for model 2 at epoch 7
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.30863356590271 seconds
Loss: 1.3485
Train Accuracy: 51.18%
Test Accuracy: 51.65%
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 1.5784387588500977 seconds
LR changed during epoch: 3.15e-04 -> 3.15e-04
total runtime to train this model was 26.194252014160156 seconds
Hyperparameteres for model 3 at epoch 7
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.267437696456909 seconds
Loss: 1.3431
Train Accuracy: 51.29%
Test Accuracy: 54.47%
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 1.6065425872802734 seconds
LR changed during epoch: 3.56e-04 -> 3.56e-04
total runtime to train this model was 25.724657773971558 seconds
Hyperparameteres for model 4 at epoch 7
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.28190541267395 seconds
Loss: 1.3581
Train Accuracy: 50.68%
Test Accuracy: 52.68%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5803117752075195 seconds
LR changed during epoch: 7.44e-04 -> 7.43e-04
total runtime to train this model was 25.971315383911133 seconds
Hyperparameteres for model 5 at epoch 7
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3231096267700195 seconds
Loss: 1.3392
Train Accuracy: 51.40%
Test Accuracy: 52.85%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6858749389648438 seconds
LR changed during epoch: 3.40e-05 -> 6.79e-05
total runtime to train this model was 25.145698308944702 seconds
Hyperparameteres for model 6 at epoch 7
lr: 0.00016932003515315075

weight_decay: 0.12227240798686406

drop_path: 0.08918412614101767

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2093920707702637 seconds
Loss: 1.2857
Train Accuracy: 53.59%
Test Accuracy: 53.35%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.6544859409332275 seconds
LR changed during epoch: 3.25e-04 -> 3.25e-04
total runtime to train this model was 25.983399391174316 seconds
Hyperparameteres for model 7 at epoch 7
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5827605724334717 seconds
Loss: 1.3495
Train Accuracy: 51.21%
Test Accuracy: 51.79%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5690391063690186 seconds
LR changed during epoch: 4.05e-04 -> 4.04e-04
total runtime to train this model was 26.563966989517212 seconds
Hyperparameteres for model 8 at epoch 7
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.302609443664551 seconds
Loss: 1.3265
Train Accuracy: 51.85%
Test Accuracy: 50.60%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.618943691253662 seconds
LR changed during epoch: 9.23e-04 -> 9.21e-04
total runtime to train this model was 26.42173957824707 seconds
Hyperparameteres for model 9 at epoch 7
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.312220573425293 seconds
Loss: 1.3726
Train Accuracy: 50.44%
Test Accuracy: 51.53%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 7 Summary:

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Time: 303.58s (Avg member: 30.36s)

Population Mean Accuracy: 52.44%

Best Member Accuracy: 54.47%

Mean Batch Size: 256

Mean Learning Rate: 4.11e-04

Mean Weight Decay: 0.095

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Epoch 8/70

```
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--- Training Member 0 (Batch size: 256) ---

built data in 1.5764942169189453 seconds

LR changed during epoch: 5.70e-05 -> 8.54e-05

total runtime to train this model was 26.326548099517822 seconds

Hyperparameteres for model 0 at epoch 8

lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3684136867523193 seconds

Loss: 1.2698

Train Accuracy: 54.13%

Test Accuracy: 55.02%

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 1.6942791938781738 seconds

LR changed during epoch: 2.60e-04 -> 2.60e-04

total runtime to train this model was 25.19911241531372 seconds

Hyperparameteres for model 1 at epoch 8

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.3172872066497803 seconds

Loss: 1.3011

Train Accuracy: 52.88%

Test Accuracy: 54.59%

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 1.6142642498016357 seconds

LR changed during epoch: 4.65e-04 -> 4.63e-04

total runtime to train this model was 25.981231927871704 seconds

Hyperparameteres for model 2 at epoch 8

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.4786527156829834 seconds

Loss: 1.2946

Train Accuracy: 53.13%

Test Accuracy: 54.85%

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 1.5732314586639404 seconds

LR changed during epoch: 3.15e-04 -> 3.14e-04

total runtime to train this model was 26.74085235595703 seconds

Hyperparameteres for model 3 at epoch 8

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.313532829284668 seconds

Loss: 1.2964

Train Accuracy: 53.25%

Test Accuracy: 54.79%

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 1.5995736122131348 seconds

LR changed during epoch: 3.56e-04 -> 3.55e-04

total runtime to train this model was 26.381864070892334 seconds

Hyperparameteres for model 4 at epoch 8

lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3689682483673096 seconds

Loss: 1.3033

Train Accuracy: 52.97%

Test Accuracy: 53.00%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5768871307373047 seconds
LR changed during epoch: 7.43e-04 -> 7.41e-04
total runtime to train this model was 26.19848132133484 seconds
Hyperparameteres for model 5 at epoch 8
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2004895210266113 seconds
Loss: 1.2940
Train Accuracy: 53.09%
Test Accuracy: 54.75%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6457667350769043 seconds
LR changed during epoch: 6.79e-05 -> 1.02e-04
total runtime to train this model was 25.557535409927368 seconds
Hyperparameteres for model 6 at epoch 8
lr: 0.00016932003515315075

weight_decay: 0.12227240798686406
drop_path: 0.08918412614101767
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9001405239105225 seconds
Loss: 1.2625
Train Accuracy: 54.48%
Test Accuracy: 55.24%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7281115055084229 seconds
LR changed during epoch: 3.25e-04 -> 3.24e-04
total runtime to train this model was 25.480372190475464 seconds
Hyperparameteres for model 7 at epoch 8
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9037702083587646 seconds
Loss: 1.3020
Train Accuracy: 53.16%
Test Accuracy: 53.73%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5798468589782715 seconds
LR changed during epoch: 4.04e-04 -> 4.03e-04
total runtime to train this model was 25.549492120742798 seconds
Hyperparameteres for model 8 at epoch 8
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2150821685791016 seconds
Loss: 1.2726
Train Accuracy: 53.63%
Test Accuracy: 56.33%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.587418556213379 seconds
LR changed during epoch: 9.21e-04 -> 9.18e-04
total runtime to train this model was 25.784113883972168 seconds
Hyperparameteres for model 9 at epoch 8
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.242353677749634 seconds
Loss: 1.3353
Train Accuracy: 51.71%
Test Accuracy: 52.70%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 8 Summary:

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Time: 303.09s (Avg member: 30.31s)
Population Mean Accuracy: 54.50%

Best Member Accuracy: 56.33%

Mean Batch Size: 256

Mean Learning Rate: 4.11e-04

Mean Weight Decay: 0.095

=====

Epoch 9/70

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--- Training Member 0 (Batch size: 256) ---

built data in 1.5735971927642822 seconds

LR changed during epoch: 8.54e-05 -> 1.14e-04

total runtime to train this model was 25.9114351272583 seconds

Hyperparameteres for model 0 at epoch 9

lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3244240283966064 seconds

Loss: 1.2560

Train Accuracy: 54.51%

Test Accuracy: 55.53%

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 1.5678508281707764 seconds

LR changed during epoch: 2.60e-04 -> 2.59e-04

total runtime to train this model was 25.9625301361084 seconds

Hyperparameteres for model 1 at epoch 9

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3510987758636475 seconds

Loss: 1.2576

Train Accuracy: 54.28%

Test Accuracy: 55.32%

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 1.7210454940795898 seconds

LR changed during epoch: 4.63e-04 -> 4.61e-04

total runtime to train this model was 26.110345602035522 seconds

Hyperparameteres for model 2 at epoch 9

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.518325090408325 seconds

Loss: 1.2568

Train Accuracy: 54.72%

Test Accuracy: 55.90%

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 1.6689057350158691 seconds

LR changed during epoch: 3.14e-04 -> 3.13e-04

total runtime to train this model was 26.958302974700928 seconds

Hyperparameteres for model 3 at epoch 9

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.422374725341797 seconds

Loss: 1.2469

Train Accuracy: 55.03%

Test Accuracy: 56.31%

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 1.5852303504943848 seconds

LR changed during epoch: 3.55e-04 -> 3.53e-04

total runtime to train this model was 26.484907150268555 seconds

Hyperparameteres for model 4 at epoch 9

lr: 0.0003565125943597626

weight_decay: 0.13274485841923567

drop_path: 0.10173156958188419

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3349969387054443 seconds

Loss: 1.2548

Train Accuracy: 54.92%

Test Accuracy: 55.80%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---
built data in 1.5848026275634766 seconds
LR changed during epoch: 7.41e-04 -> 7.38e-04
total runtime to train this model was 26.022369861602783 seconds
Hyperparameteres for model 5 at epoch 9
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3614261150360107 seconds
Loss: 1.2437
Train Accuracy: 55.31%
Test Accuracy: 54.81%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5909042358398438 seconds
LR changed during epoch: 1.02e-04 -> 1.36e-04
total runtime to train this model was 26.136671781539917 seconds
Hyperparameteres for model 6 at epoch 9
lr: 0.00016932003515315075

weight_decay: 0.12227240798686406

drop_path: 0.08918412614101767

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.682767868041992 seconds
Loss: 1.2549
Train Accuracy: 54.60%
Test Accuracy: 55.11%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7159409523010254 seconds
LR changed during epoch: 3.24e-04 -> 3.22e-04
total runtime to train this model was 25.236021518707275 seconds
Hyperparameteres for model 7 at epoch 9
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.4264824390411377 seconds
Loss: 1.2554
Train Accuracy: 54.56%
Test Accuracy: 56.96%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5688652992248535 seconds
LR changed during epoch: 4.03e-04 -> 4.01e-04
total runtime to train this model was 25.917656660079956 seconds
Hyperparameteres for model 8 at epoch 9
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.299006938934326 seconds
Loss: 1.2389
Train Accuracy: 55.34%
Test Accuracy: 54.24%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5963587760925293 seconds
LR changed during epoch: 9.18e-04 -> 9.15e-04
total runtime to train this model was 25.768540382385254 seconds
Hyperparameteres for model 9 at epoch 9
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.340247392654419 seconds
Loss: 1.2813
Train Accuracy: 53.80%
Test Accuracy: 56.19%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 9 Summary:

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Time: 305.13s (Avg member: 30.51s)
Population Mean Accuracy: 55.62%
Best Member Accuracy: 56.96%
Mean Batch Size: 256
Mean Learning Rate: 4.11e-04
Mean Weight Decay: 0.095

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Epoch 10/70
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```

--- Training Member 0 (Batch size: 256) ---

built data in 1.6296515464782715 seconds

LR changed during epoch: 1.14e-04 -> 1.42e-04

total runtime to train this model was 26.207974195480347 seconds

Hyperparameteres for model 0 at epoch 10

lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.300086259841919 seconds

Loss: 1.2394

Train Accuracy: 55.28%

Test Accuracy: 56.45%

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 1.5733771324157715 seconds

LR changed during epoch: 2.59e-04 -> 2.57e-04

total runtime to train this model was 26.529268741607666 seconds

Hyperparameteres for model 1 at epoch 10

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3622918128967285 seconds

Loss: 1.2213

Train Accuracy: 56.01%

Test Accuracy: 56.61%

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 1.6800084114074707 seconds

LR changed during epoch: 4.61e-04 -> 4.59e-04

total runtime to train this model was 26.35309672355652 seconds

Hyperparameteres for model 2 at epoch 10

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5749969482421875 seconds
Loss: 1.2164
Train Accuracy: 56.19%
Test Accuracy: 55.85%
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 1.6729366779327393 seconds
LR changed during epoch: 3.13e-04 -> 3.11e-04
total runtime to train this model was 26.916971921920776 seconds
Hyperparameteres for model 3 at epoch 10
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.312990427017212 seconds
Loss: 1.2025
Train Accuracy: 56.87%
Test Accuracy: 55.94%
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 1.6018292903900146 seconds
LR changed during epoch: 3.53e-04 -> 3.51e-04
total runtime to train this model was 27.01372456550598 seconds
Hyperparameteres for model 4 at epoch 10
lr: 0.0003565125943597626

weight_decay: 0.13274485841923567
drop_path: 0.10173156958188419

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.381622314453125 seconds
Loss: 1.2247
Train Accuracy: 56.05%
Test Accuracy: 55.23%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5889062881469727 seconds
LR changed during epoch: 7.38e-04 -> 7.34e-04
total runtime to train this model was 26.32515287399292 seconds

Hyperparameteres for model 5 at epoch 10

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3956305980682373 seconds

Loss: 1.2066

Train Accuracy: 56.37%

Test Accuracy: 56.49%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.622596025466919 seconds

LR changed during epoch: 1.36e-04 -> 1.69e-04

total runtime to train this model was 26.146753787994385 seconds

Hyperparameteres for model 6 at epoch 10

lr: 0.00016932003515315075

weight_decay: 0.12227240798686406

drop_path: 0.08918412614101767

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.637096881866455 seconds

Loss: 1.2315

Train Accuracy: 55.55%

Test Accuracy: 55.35%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.7528700828552246 seconds

LR changed during epoch: 3.22e-04 -> 3.21e-04

total runtime to train this model was 25.594096660614014 seconds

Hyperparameteres for model 7 at epoch 10

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.2568440437316895 seconds

Loss: 1.2134

Train Accuracy: 56.22%

Test Accuracy: 56.99%

Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5893065929412842 seconds
LR changed during epoch: 4.01e-04 -> 3.99e-04
total runtime to train this model was 26.43837833404541 seconds
Hyperparameteres for model 8 at epoch 10
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.329850912094116 seconds
Loss: 1.1936
Train Accuracy: 57.20%
Test Accuracy: 57.78%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5802333354949951 seconds
LR changed during epoch: 9.15e-04 -> 9.10e-04
total runtime to train this model was 26.047756910324097 seconds
Hyperparameteres for model 9 at epoch 10
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.265923023223877 seconds
Loss: 1.2372
Train Accuracy: 55.36%
Test Accuracy: 56.08%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [57.78, 56.99]
Bottom performers: [55.35, 55.23]
Member 6 copied from 8
Member 6: lr changed from 0.00016932003515315075 to 0.00025608056601279837
Member 6: weight_decay changed from 0.12227240798686406 to 0.14031453812930755
Member 6: drop_path changed from 0.08918412614101767 to 0.11495957910748153
Member 6 copied from 8
LR=2.56e-04, WD=0.140, DropPath=0.115, Warmup=5 epochs, Batch=256
Member 4 copied from 7
Member 4: lr changed from 0.0003565125943597626 to 0.0002404543180797997

Member 4: weight_decay changed from 0.13274485841923567 to 0.13868112322486895
Member 4: drop_path changed from 0.10173156958188419 to 0.06387947402325991
Member 4 copied from 7
LR=2.40e-04, WD=0.139, DropPath=0.064, Warmup=5 epochs, Batch=256

=====
Epoch 10 Summary:
=====

Time: 308.16s (Avg member: 30.81s)
Population Mean Accuracy: 56.28%
Best Member Accuracy: 57.78%
Mean Batch Size: 256
Mean Learning Rate: 4.08e-04
Mean Weight Decay: 0.098

=====
Epoch 11/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.5793960094451904 seconds
LR changed during epoch: 1.42e-04 -> 1.42e-04
total runtime to train this model was 26.305525302886963 seconds
Hyperparameteres for model 0 at epoch 11
lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.315605640411377 seconds

Loss: 1.2217
Train Accuracy: 56.02%
Test Accuracy: 55.06%
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 1.6305439472198486 seconds
LR changed during epoch: 2.57e-04 -> 2.56e-04
total runtime to train this model was 26.006081581115723 seconds
Hyperparameteres for model 1 at epoch 11
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.559108018875122 seconds
Loss: 1.1909
Train Accuracy: 57.22%
Test Accuracy: 58.02%

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 1.8320190906524658 seconds
LR changed during epoch: 4.59e-04 -> 4.56e-04
total runtime to train this model was 24.940207958221436 seconds
Hyperparameteres for model 2 at epoch 11
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271
drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.372157096862793 seconds
Loss: 1.1864
Train Accuracy: 57.25%
Test Accuracy: 58.60%
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 1.60939621925354 seconds
LR changed during epoch: 3.11e-04 -> 3.09e-04
total runtime to train this model was 26.273930549621582 seconds
Hyperparameteres for model 3 at epoch 11
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.33367657661438 seconds
Loss: 1.1647
Train Accuracy: 58.06%
Test Accuracy: 59.13%
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 1.6012217998504639 seconds
LR changed during epoch: 2.45e-07 -> 4.83e-05
total runtime to train this model was 26.459126472473145 seconds
Hyperparameteres for model 4 at epoch 11
lr: 0.0002404543180797997

weight_decay: 0.13868112322486895
drop_path: 0.06387947402325991
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.32708740234375 seconds

Loss: 1.1220

Train Accuracy: 59.52%

Test Accuracy: 60.84%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.5725083351135254 seconds

LR changed during epoch: 7.34e-04 -> 7.29e-04

total runtime to train this model was 25.755499839782715 seconds

Hyperparameteres for model 5 at epoch 11

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.275679349899292 seconds

Loss: 1.1699

Train Accuracy: 57.97%

Test Accuracy: 58.12%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.6317775249481201 seconds

LR changed during epoch: 2.61e-07 -> 5.15e-05

total runtime to train this model was 25.439261198043823 seconds

Hyperparameteres for model 6 at epoch 11

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.354759454727173 seconds

Loss: 1.1076

Train Accuracy: 60.33%

Test Accuracy: 60.84%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.6717896461486816 seconds

LR changed during epoch: 3.21e-04 -> 3.19e-04

total runtime to train this model was 25.092989921569824 seconds

Hyperparameteres for model 7 at epoch 11

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3209104537963867 seconds
Loss: 1.1764
Train Accuracy: 57.75%
Test Accuracy: 56.49%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6161596775054932 seconds
LR changed during epoch: 3.99e-04 -> 3.97e-04
total runtime to train this model was 26.28479242324829 seconds
Hyperparameteres for model 8 at epoch 11
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.48050856590271 seconds
Loss: 1.1584
Train Accuracy: 58.43%
Test Accuracy: 58.65%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5679707527160645 seconds
LR changed during epoch: 9.10e-04 -> 9.04e-04
total runtime to train this model was 25.96355700492859 seconds
Hyperparameteres for model 9 at epoch 11
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3353219032287598 seconds
Loss: 1.1808
Train Accuracy: 57.59%
Test Accuracy: 58.36%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

```
=====
Epoch 11 Summary:
=====
```

Time: 302.97s (Avg member: 30.30s)
Population Mean Accuracy: 58.41%
Best Member Accuracy: 60.84%
Mean Batch Size: 256
Mean Learning Rate: 4.08e-04
Mean Weight Decay: 0.098

```
=====
Epoch 12/70
=====
```

--- Training Member 0 (Batch size: 256) ---
built data in 1.5923161506652832 seconds
LR changed during epoch: 1.42e-04 -> 1.42e-04
total runtime to train this model was 25.953166723251343 seconds
Hyperparameteres for model 0 at epoch 12
lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.260991096496582 seconds

Loss: 1.1909
Train Accuracy: 56.92%
Test Accuracy: 58.09%

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 1.5787878036499023 seconds
LR changed during epoch: 2.56e-04 -> 2.54e-04
total runtime to train this model was 25.617603063583374 seconds
Hyperparameteres for model 1 at epoch 12
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2806975841522217 seconds

Loss: 1.1648
Train Accuracy: 58.28%
Test Accuracy: 59.46%

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 1.579301118850708 seconds
LR changed during epoch: 4.56e-04 -> 4.53e-04
total runtime to train this model was 26.05031943321228 seconds
Hyperparameteres for model 2 at epoch 12
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3498375415802 seconds

Loss: 1.1448
Train Accuracy: 59.02%

Test Accuracy: 60.27%

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 1.735220193862915 seconds
LR changed during epoch: 3.09e-04 -> 3.07e-04
total runtime to train this model was 25.032421350479126 seconds
Hyperparameteres for model 3 at epoch 12
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4804835319519043 seconds

Loss: 1.1354
Train Accuracy: 59.41%

Test Accuracy: 61.01%

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 1.6196885108947754 seconds
LR changed during epoch: 4.83e-05 -> 9.64e-05
total runtime to train this model was 26.236127853393555 seconds
Hyperparameteres for model 4 at epoch 12
lr: 0.0002404543180797997

weight_decay: 0.13868112322486895

drop_path: 0.06387947402325991

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.278407573699951 seconds

Loss: 1.0802
Train Accuracy: 61.35%
Test Accuracy: 61.39%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5976331233978271 seconds
LR changed during epoch: 7.29e-04 -> 7.24e-04
total runtime to train this model was 25.98017144203186 seconds
Hyperparameteres for model 5 at epoch 12
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.284184217453003 seconds
Loss: 1.1237
Train Accuracy: 59.72%
Test Accuracy: 59.40%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5707156658172607 seconds
LR changed during epoch: 5.15e-05 -> 1.03e-04
total runtime to train this model was 25.97657537460327 seconds
Hyperparameteres for model 6 at epoch 12
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.235888719558716 seconds
Loss: 1.0589
Train Accuracy: 62.21%
Test Accuracy: 61.20%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5704600811004639 seconds
LR changed during epoch: 3.19e-04 -> 3.16e-04
total runtime to train this model was 26.079856634140015 seconds
Hyperparameteres for model 7 at epoch 12
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2708640098571777 seconds
Loss: 1.1321
Train Accuracy: 59.52%
Test Accuracy: 59.47%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.634455680847168 seconds
LR changed during epoch: 3.97e-04 -> 3.93e-04
total runtime to train this model was 25.5456600189209 seconds
Hyperparameteres for model 8 at epoch 12
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.842334032058716 seconds
Loss: 1.1265
Train Accuracy: 59.48%
Test Accuracy: 59.98%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7325894832611084 seconds
LR changed during epoch: 9.04e-04 -> 8.97e-04
total runtime to train this model was 25.254436492919922 seconds
Hyperparameteres for model 9 at epoch 12
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9533984661102295 seconds
Loss: 1.1470
Train Accuracy: 59.03%
Test Accuracy: 60.14%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 12 Summary:
=====

Time: 301.66s (Avg member: 30.17s)
Population Mean Accuracy: 60.04%
Best Member Accuracy: 61.39%
Mean Batch Size: 256
Mean Learning Rate: 4.08e-04
Mean Weight Decay: 0.098

=====
Epoch 13/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.5864613056182861 seconds
LR changed during epoch: 1.42e-04 -> 1.41e-04
total runtime to train this model was 25.870797872543335 seconds
Hyperparameteres for model 0 at epoch 13
lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2667276859283447 seconds

Loss: 1.1595
Train Accuracy: 57.92%
Test Accuracy: 58.44%

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 1.5627257823944092 seconds
LR changed during epoch: 2.54e-04 -> 2.51e-04
total runtime to train this model was 25.981486320495605 seconds
Hyperparameteres for model 1 at epoch 13
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.255725383758545 seconds

Loss: 1.1312
Train Accuracy: 59.37%
Test Accuracy: 60.31%

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 1.5744514465332031 seconds
LR changed during epoch: 4.53e-04 -> 4.49e-04
total runtime to train this model was 25.949334859848022 seconds
Hyperparameteres for model 2 at epoch 13

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.316007375717163 seconds

Loss: 1.1052

Train Accuracy: 60.41%

Test Accuracy: 60.16%

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 1.5740244388580322 seconds

LR changed during epoch: 3.07e-04 -> 3.04e-04

total runtime to train this model was 25.885195016860962 seconds

Hyperparameteres for model 3 at epoch 13

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3056640625 seconds

Loss: 1.0980

Train Accuracy: 60.63%

Test Accuracy: 60.67%

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 1.6678619384765625 seconds

LR changed during epoch: 9.64e-05 -> 1.45e-04

total runtime to train this model was 25.127285718917847 seconds

Hyperparameteres for model 4 at epoch 13

lr: 0.0002404543180797997

weight_decay: 0.13868112322486895

drop_path: 0.06387947402325991

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.953463077545166 seconds

Loss: 1.0786

Train Accuracy: 61.20%

Test Accuracy: 61.35%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.7351491451263428 seconds

LR changed during epoch: 7.24e-04 -> 7.17e-04

total runtime to train this model was 25.39145541191101 seconds

Hyperparameteres for model 5 at epoch 13

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.8705039024353027 seconds

Loss: 1.0857

Train Accuracy: 61.12%

Test Accuracy: 62.07%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.5662832260131836 seconds

LR changed during epoch: 1.03e-04 -> 1.54e-04

total runtime to train this model was 25.776078701019287 seconds

Hyperparameteres for model 6 at epoch 13

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2704474925994873 seconds

Loss: 1.0664

Train Accuracy: 61.82%

Test Accuracy: 60.88%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.5735797882080078 seconds

LR changed during epoch: 3.16e-04 -> 3.13e-04

total runtime to train this model was 26.043204307556152 seconds

Hyperparameteres for model 7 at epoch 13

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2786786556243896 seconds
Loss: 1.1091
Train Accuracy: 60.28%
Test Accuracy: 62.21%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5700268745422363 seconds
LR changed during epoch: 3.93e-04 -> 3.90e-04
total runtime to train this model was 25.779903173446655 seconds
Hyperparameteres for model 8 at epoch 13
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2804641723632812 seconds
Loss: 1.0875
Train Accuracy: 61.24%
Test Accuracy: 60.62%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.574885368347168 seconds
LR changed during epoch: 8.97e-04 -> 8.89e-04
total runtime to train this model was 25.85490584373474 seconds
Hyperparameteres for model 9 at epoch 13
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.219416379928589 seconds
Loss: 1.1100
Train Accuracy: 60.30%
Test Accuracy: 61.69%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 13 Summary:

=====

Time: 300.04s (Avg member: 30.00s)
Population Mean Accuracy: 60.84%
Best Member Accuracy: 62.21%
Mean Batch Size: 256

Mean Learning Rate: 4.08e-04
Mean Weight Decay: 0.098

=====
Epoch 14/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.7081873416900635 seconds
LR changed during epoch: 1.41e-04 -> 1.41e-04
total runtime to train this model was 25.062760829925537 seconds
Hyperparameteres for model 0 at epoch 14
lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0712170600891113 seconds
Loss: 1.1351
Train Accuracy: 59.39%
Test Accuracy: 59.75%
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 1.6512973308563232 seconds
LR changed during epoch: 2.51e-04 -> 2.49e-04
total runtime to train this model was 24.79605460166931 seconds
Hyperparameteres for model 1 at epoch 14
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0256190299987793 seconds
Loss: 1.1064
Train Accuracy: 60.25%
Test Accuracy: 61.37%
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 1.575270175933838 seconds
LR changed during epoch: 4.49e-04 -> 4.44e-04
total runtime to train this model was 25.562952041625977 seconds
Hyperparameteres for model 2 at epoch 14
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3479042053222656 seconds
Loss: 1.0786
Train Accuracy: 61.56%
Test Accuracy: 60.99%
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 1.5795259475708008 seconds
LR changed during epoch: 3.04e-04 -> 3.01e-04
total runtime to train this model was 25.60139751434326 seconds
Hyperparameteres for model 3 at epoch 14
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3767318725585938 seconds
Loss: 1.0708
Train Accuracy: 61.89%
Test Accuracy: 62.72%
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 1.5650789737701416 seconds
LR changed during epoch: 1.45e-04 -> 1.93e-04
total runtime to train this model was 25.556800603866577 seconds
Hyperparameteres for model 4 at epoch 14
lr: 0.0002404543180797997

weight_decay: 0.13868112322486895

drop_path: 0.06387947402325991
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3409292697906494 seconds
Loss: 1.0836
Train Accuracy: 61.17%
Test Accuracy: 61.60%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5756869316101074 seconds

LR changed during epoch: 7.17e-04 -> 7.10e-04
total runtime to train this model was 25.821995973587036 seconds
Hyperparameteres for model 5 at epoch 14
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.382140874862671 seconds
Loss: 1.0644
Train Accuracy: 62.22%
Test Accuracy: 60.99%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6096570491790771 seconds
LR changed during epoch: 1.54e-04 -> 2.05e-04
total runtime to train this model was 25.565862894058228 seconds
Hyperparameteres for model 6 at epoch 14
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.777806282043457 seconds
Loss: 1.0575
Train Accuracy: 62.17%
Test Accuracy: 60.67%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7232000827789307 seconds
LR changed during epoch: 3.13e-04 -> 3.10e-04
total runtime to train this model was 24.70398473739624 seconds
Hyperparameteres for model 7 at epoch 14
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5174660682678223 seconds
Loss: 1.0728

Train Accuracy: 61.59%
Test Accuracy: 63.40%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5671143531799316 seconds
LR changed during epoch: 3.90e-04 -> 3.86e-04
total runtime to train this model was 25.71733069419861 seconds
Hyperparameteres for model 8 at epoch 14
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.340043783187866 seconds
Loss: 1.0570
Train Accuracy: 62.44%
Test Accuracy: 61.43%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5984611511230469 seconds
LR changed during epoch: 8.89e-04 -> 8.80e-04
total runtime to train this model was 26.15434455871582 seconds
Hyperparameteres for model 9 at epoch 14
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3779890537261963 seconds
Loss: 1.0658
Train Accuracy: 61.97%
Test Accuracy: 61.73%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 14 Summary:

=====

Time: 299.65s (Avg member: 29.97s)
Population Mean Accuracy: 61.46%
Best Member Accuracy: 63.40%
Mean Batch Size: 256
Mean Learning Rate: 4.08e-04
Mean Weight Decay: 0.098

=====

Epoch 15/70

--- Training Member 0 (Batch size: 256) ---

built data in 1.705702781677246 seconds

LR changed during epoch: 1.41e-04 -> 1.40e-04

total runtime to train this model was 26.1509108543396 seconds

Hyperparameteres for model 0 at epoch 15

lr: 0.00014203408449340235

weight_decay: 0.10763842785814239

drop_path: 0.09362805338568464

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.342883825302124 seconds

Loss: 1.1135

Train Accuracy: 59.91%

Test Accuracy: 60.00%

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 1.6627261638641357 seconds

LR changed during epoch: 2.49e-04 -> 2.46e-04

total runtime to train this model was 26.188002586364746 seconds

Hyperparameteres for model 1 at epoch 15

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.296189546585083 seconds

Loss: 1.0813

Train Accuracy: 61.56%

Test Accuracy: 61.85%

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 1.869196891784668 seconds

LR changed during epoch: 4.44e-04 -> 4.39e-04

total runtime to train this model was 25.444318532943726 seconds

Hyperparameteres for model 2 at epoch 15

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.6683812141418457 seconds

Loss: 1.0486

Train Accuracy: 62.35%

Test Accuracy: 62.67%

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 1.6203131675720215 seconds

LR changed during epoch: 3.01e-04 -> 2.98e-04

total runtime to train this model was 26.08575987815857 seconds

Hyperparameteres for model 3 at epoch 15

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.459728717803955 seconds

Loss: 1.0428

Train Accuracy: 62.90%

Test Accuracy: 63.79%

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 1.5737273693084717 seconds

LR changed during epoch: 1.93e-04 -> 2.40e-04

total runtime to train this model was 26.21246075630188 seconds

Hyperparameteres for model 4 at epoch 15

lr: 0.0002404543180797997

weight_decay: 0.13868112322486895

drop_path: 0.06387947402325991

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3825957775115967 seconds

Loss: 1.0769

Train Accuracy: 61.27%

Test Accuracy: 61.06%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.605135440826416 seconds

LR changed during epoch: 7.10e-04 -> 7.02e-04

total runtime to train this model was 26.315003395080566 seconds

Hyperparameteres for model 5 at epoch 15

lr: 0.000744617784354611

weight_decay: 0.1077555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3748109340667725 seconds
Loss: 1.0302
Train Accuracy: 63.25%
Test Accuracy: 61.93%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6194405555725098 seconds
LR changed during epoch: 2.05e-04 -> 2.56e-04
total runtime to train this model was 26.071664094924927 seconds
Hyperparameteres for model 6 at epoch 15
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.378321409225464 seconds
Loss: 1.0601
Train Accuracy: 62.08%
Test Accuracy: 61.26%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7436854839324951 seconds
LR changed during epoch: 3.10e-04 -> 3.07e-04
total runtime to train this model was 25.00531768798828 seconds
Hyperparameteres for model 7 at epoch 15
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2243812084198 seconds
Loss: 1.0397
Train Accuracy: 62.84%
Test Accuracy: 63.50%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.7032148838043213 seconds
LR changed during epoch: 3.86e-04 -> 3.82e-04
total runtime to train this model was 25.0129075050354 seconds
Hyperparameteres for model 8 at epoch 15
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.484832525253296 seconds
Loss: 1.0217
Train Accuracy: 63.54%
Test Accuracy: 63.82%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6069765090942383 seconds
LR changed during epoch: 8.80e-04 -> 8.70e-04
total runtime to train this model was 26.046480178833008 seconds
Hyperparameteres for model 9 at epoch 15
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7670884132385254 seconds
Loss: 1.0376
Train Accuracy: 62.99%
Test Accuracy: 63.12%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [63.82, 63.79]
Bottom performers: [61.06, 60.0]
Member 4 copied from 3
Member 4: lr changed from 0.0002404543180797997 to 0.00028002622967736887
Member 4: weight_decay changed from 0.13868112322486895 to 0.1294913990275906
Member 4: drop_path changed from 0.06387947402325991 to 0.026992519551775278
Member 4 copied from 3
LR=2.80e-04, WD=0.129, DropPath=0.027, Warmup=5 epochs, Batch=256
Member 0 copied from 3
Member 0: lr changed from 0.00014203408449340235 to 0.0001748780992323349
Member 0: weight_decay changed from 0.10763842785814239 to 0.09123562550886055
Member 0: drop_path changed from 0.09362805338568464 to 0.11041150312481661

Member 0 copied from 3
LR=1.75e-04, WD=0.091, DropPath=0.110, Warmup=5 epochs, Batch=256

=====
Epoch 15 Summary:
=====

Time: 305.22s (Avg member: 30.52s)
Population Mean Accuracy: 62.30%
Best Member Accuracy: 63.82%
Mean Batch Size: 256
Mean Learning Rate: 4.15e-04
Mean Weight Decay: 0.095

=====
Epoch 16/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6049141883850098 seconds
LR changed during epoch: 1.78e-07 -> 3.52e-05
total runtime to train this model was 26.442463397979736 seconds
Hyperparameteres for model 0 at epoch 16
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.764009475708008 seconds

Loss: 0.9579
Train Accuracy: 65.95%
Test Accuracy: 66.28%

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 1.6014180183410645 seconds
LR changed during epoch: 2.46e-04 -> 2.43e-04
total runtime to train this model was 26.4381206035614 seconds
Hyperparameteres for model 1 at epoch 16
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.86896014213562 seconds

Loss: 1.0501
Train Accuracy: 62.49%
Test Accuracy: 62.63%

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 1.7518763542175293 seconds
LR changed during epoch: 4.39e-04 -> 4.34e-04
total runtime to train this model was 25.28279399871826 seconds
Hyperparameteres for model 2 at epoch 16
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4336955547332764 seconds
Loss: 1.0207
Train Accuracy: 63.42%
Test Accuracy: 63.57%
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 1.6874988079071045 seconds
LR changed during epoch: 2.98e-04 -> 2.94e-04
total runtime to train this model was 25.189313888549805 seconds
Hyperparameteres for model 3 at epoch 16
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6689276695251465 seconds
Loss: 1.0102
Train Accuracy: 63.81%
Test Accuracy: 63.64%
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 1.6194415092468262 seconds
LR changed during epoch: 2.86e-07 -> 5.63e-05
total runtime to train this model was 25.615947723388672 seconds
Hyperparameteres for model 4 at epoch 16
lr: 0.00028002622967736887

weight_decay: 0.1294913990275906

drop_path: 0.026992519551775278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3134233951568604 seconds
Loss: 0.9483
Train Accuracy: 66.47%
Test Accuracy: 66.01%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6181416511535645 seconds
LR changed during epoch: 7.02e-04 -> 6.93e-04
total runtime to train this model was 25.46254324913025 seconds
Hyperparameteres for model 5 at epoch 16
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3013784885406494 seconds
Loss: 0.9947
Train Accuracy: 64.62%
Test Accuracy: 64.64%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6354410648345947 seconds
LR changed during epoch: 2.56e-04 -> 2.56e-04
total runtime to train this model was 25.479921579360962 seconds
Hyperparameteres for model 6 at epoch 16
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2807626724243164 seconds
Loss: 1.0516
Train Accuracy: 62.44%
Test Accuracy: 62.61%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5967395305633545 seconds
LR changed during epoch: 3.07e-04 -> 3.03e-04
total runtime to train this model was 25.60840082168579 seconds
Hyperparameteres for model 7 at epoch 16
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2683513164520264 seconds
Loss: 1.0158
Train Accuracy: 63.83%
Test Accuracy: 64.07%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.7207777500152588 seconds
LR changed during epoch: 3.82e-04 -> 3.77e-04
total runtime to train this model was 25.10017228126526 seconds
Hyperparameteres for model 8 at epoch 16
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9428184032440186 seconds
Loss: 0.9920
Train Accuracy: 64.61%
Test Accuracy: 64.74%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.774329423904419 seconds
LR changed during epoch: 8.70e-04 -> 8.60e-04
total runtime to train this model was 24.951049089431763 seconds
Hyperparameteres for model 9 at epoch 16
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1660947799682617 seconds
Loss: 1.0098
Train Accuracy: 63.86%
Test Accuracy: 63.77%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 16 Summary:

```
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```

Time: 301.87s (Avg member: 30.19s)

Population Mean Accuracy: 64.20%

Best Member Accuracy: 66.28%

Mean Batch Size: 256

Mean Learning Rate: 4.15e-04

Mean Weight Decay: 0.095

```
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```

Epoch 17/70

```
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```

--- Training Member 0 (Batch size: 256) ---

built data in 1.6365339756011963 seconds

LR changed during epoch: 3.52e-05 -> 7.01e-05

total runtime to train this model was 25.804394483566284 seconds

Hyperparameteres for model 0 at epoch 17

lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.30505108833313 seconds

Loss: 0.9181

Train Accuracy: 67.13%

Test Accuracy: 66.73%

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 1.6432881355285645 seconds

LR changed during epoch: 2.43e-04 -> 2.40e-04

total runtime to train this model was 25.735187530517578 seconds

Hyperparameteres for model 1 at epoch 17

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3364768028259277 seconds

Loss: 1.0383

Train Accuracy: 63.07%

Test Accuracy: 62.60%

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 1.6364948749542236 seconds

LR changed during epoch: 4.34e-04 -> 4.28e-04

total runtime to train this model was 26.06074595451355 seconds

Hyperparameteres for model 2 at epoch 17

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2915709018707275 seconds

Loss: 0.9961

Train Accuracy: 64.40%

Test Accuracy: 64.06%

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 1.6075708866119385 seconds

LR changed during epoch: 2.94e-04 -> 2.90e-04

total runtime to train this model was 26.30508327484131 seconds

Hyperparameteres for model 3 at epoch 17

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.416463613510132 seconds

Loss: 0.9889

Train Accuracy: 64.64%

Test Accuracy: 65.54%

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 1.8899023532867432 seconds

LR changed during epoch: 5.63e-05 -> 1.12e-04

total runtime to train this model was 25.794023752212524 seconds

Hyperparameteres for model 4 at epoch 17

lr: 0.00028002622967736887

weight_decay: 0.1294913990275906

drop_path: 0.026992519551775278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.677786111831665 seconds

Loss: 0.9273

Train Accuracy: 67.03%

Test Accuracy: 66.79%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6365044116973877 seconds
LR changed during epoch: 6.93e-04 -> 6.84e-04
total runtime to train this model was 26.36824131011963 seconds
Hyperparameteres for model 5 at epoch 17
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4166347980499268 seconds
Loss: 0.9670
Train Accuracy: 65.43%
Test Accuracy: 64.50%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.668696403503418 seconds
LR changed during epoch: 2.56e-04 -> 2.55e-04
total runtime to train this model was 26.261926651000977 seconds
Hyperparameteres for model 6 at epoch 17
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3165440559387207 seconds
Loss: 1.0260
Train Accuracy: 63.20%
Test Accuracy: 64.14%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.608375072479248 seconds
LR changed during epoch: 3.03e-04 -> 2.99e-04
total runtime to train this model was 26.761019706726074 seconds
Hyperparameteres for model 7 at epoch 17
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.383925199508667 seconds
Loss: 0.9861
Train Accuracy: 64.70%
Test Accuracy: 64.51%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6332199573516846 seconds
LR changed during epoch: 3.77e-04 -> 3.72e-04
total runtime to train this model was 26.959601163864136 seconds
Hyperparameteres for model 8 at epoch 17
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8777599334716797 seconds
Loss: 0.9693
Train Accuracy: 65.60%
Test Accuracy: 65.85%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.827986478805542 seconds
LR changed during epoch: 8.60e-04 -> 8.48e-04
total runtime to train this model was 27.51181650161743 seconds
Hyperparameteres for model 9 at epoch 17
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6484808921813965 seconds
Loss: 0.9770
Train Accuracy: 65.31%
Test Accuracy: 65.28%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 17 Summary:

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Time: 308.51s (Avg member: 30.85s)
Population Mean Accuracy: 65.00%

Best Member Accuracy: 66.79%

Mean Batch Size: 256

Mean Learning Rate: 4.15e-04

Mean Weight Decay: 0.095

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Epoch 18/70

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--- Training Member 0 (Batch size: 256) ---

built data in 1.692075252532959 seconds

LR changed during epoch: 7.01e-05 -> 1.05e-04

total runtime to train this model was 27.469724416732788 seconds

Hyperparameteres for model 0 at epoch 18

lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.331521987915039 seconds

Loss: 0.9211

Train Accuracy: 67.38%

Test Accuracy: 67.37%

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 1.646744966506958 seconds

LR changed during epoch: 2.40e-04 -> 2.36e-04

total runtime to train this model was 26.867859363555908 seconds

Hyperparameteres for model 1 at epoch 18

lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.466435194015503 seconds

Loss: 1.0040

Train Accuracy: 64.40%

Test Accuracy: 64.54%

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 1.7274169921875 seconds

LR changed during epoch: 4.28e-04 -> 4.21e-04

total runtime to train this model was 26.730993032455444 seconds

Hyperparameteres for model 2 at epoch 18

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.321115016937256 seconds

Loss: 0.9673

Train Accuracy: 65.63%

Test Accuracy: 66.03%

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 1.6931345462799072 seconds

LR changed during epoch: 2.90e-04 -> 2.85e-04

total runtime to train this model was 26.749082326889038 seconds

Hyperparameteres for model 3 at epoch 18

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3847134113311768 seconds

Loss: 0.9620

Train Accuracy: 65.94%

Test Accuracy: 65.27%

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 1.6212239265441895 seconds

LR changed during epoch: 1.12e-04 -> 1.68e-04

total runtime to train this model was 26.017908811569214 seconds

Hyperparameteres for model 4 at epoch 18

lr: 0.00028002622967736887

weight_decay: 0.1294913990275906

drop_path: 0.026992519551775278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.282538652420044 seconds

Loss: 0.9365

Train Accuracy: 66.78%

Test Accuracy: 66.09%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---
built data in 1.5904192924499512 seconds
LR changed during epoch: 6.84e-04 -> 6.74e-04
total runtime to train this model was 25.86928105354309 seconds
Hyperparameteres for model 5 at epoch 18
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3366551399230957 seconds
Loss: 0.9356
Train Accuracy: 66.95%
Test Accuracy: 66.81%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6754262447357178 seconds
LR changed during epoch: 2.55e-04 -> 2.55e-04
total runtime to train this model was 26.170289993286133 seconds
Hyperparameteres for model 6 at epoch 18
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.282573699951172 seconds
Loss: 0.9951
Train Accuracy: 64.47%
Test Accuracy: 63.88%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7266628742218018 seconds
LR changed during epoch: 2.99e-04 -> 2.94e-04
total runtime to train this model was 25.582622289657593 seconds
Hyperparameteres for model 7 at epoch 18
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.370920181274414 seconds
Loss: 0.9618
Train Accuracy: 65.73%
Test Accuracy: 65.19%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6753077507019043 seconds
LR changed during epoch: 3.72e-04 -> 3.66e-04
total runtime to train this model was 25.97736382484436 seconds
Hyperparameteres for model 8 at epoch 18
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.326396942138672 seconds
Loss: 0.9416
Train Accuracy: 66.71%
Test Accuracy: 65.12%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5815651416778564 seconds
LR changed during epoch: 8.48e-04 -> 8.35e-04
total runtime to train this model was 26.225613355636597 seconds
Hyperparameteres for model 9 at epoch 18
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.299464225769043 seconds
Loss: 0.9428
Train Accuracy: 66.56%
Test Accuracy: 65.66%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 18 Summary:

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Time: 308.23s (Avg member: 30.82s)
Population Mean Accuracy: 65.60%
Best Member Accuracy: 67.37%
Mean Batch Size: 256
Mean Learning Rate: 4.15e-04
Mean Weight Decay: 0.095

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=====
Epoch 19/70
=====
```

--- Training Member 0 (Batch size: 256) ---
built data in 1.6319975852966309 seconds
LR changed during epoch: 1.05e-04 -> 1.40e-04
total runtime to train this model was 26.020785331726074 seconds
Hyperparameteres for model 0 at epoch 19
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.238943576812744 seconds

Loss: 0.9222
Train Accuracy: 67.39%
Test Accuracy: 66.58%

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 1.6199748516082764 seconds
LR changed during epoch: 2.36e-04 -> 2.32e-04
total runtime to train this model was 25.98674201965332 seconds
Hyperparameteres for model 1 at epoch 19
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945

drop_path: 0.11955409449658805

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.313892126083374 seconds

Loss: 0.9848
Train Accuracy: 64.67%
Test Accuracy: 64.25%

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 1.7302484512329102 seconds
LR changed during epoch: 4.21e-04 -> 4.15e-04
total runtime to train this model was 25.50635552406311 seconds
Hyperparameteres for model 2 at epoch 19
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9311606884002686 seconds
Loss: 0.9393
Train Accuracy: 66.55%
Test Accuracy: 66.16%
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 1.747614860534668 seconds
LR changed during epoch: 2.85e-04 -> 2.81e-04
total runtime to train this model was 25.62395977973938 seconds
Hyperparameteres for model 3 at epoch 19
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9433059692382812 seconds
Loss: 0.9421
Train Accuracy: 66.45%
Test Accuracy: 65.22%
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 1.6085796356201172 seconds
LR changed during epoch: 1.68e-04 -> 2.24e-04
total runtime to train this model was 26.32003092765808 seconds
Hyperparameteres for model 4 at epoch 19
lr: 0.00028002622967736887

weight_decay: 0.1294913990275906
drop_path: 0.026992519551775278

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.405341625213623 seconds
Loss: 0.9445
Train Accuracy: 66.24%
Test Accuracy: 65.32%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5676157474517822 seconds
LR changed during epoch: 6.74e-04 -> 6.63e-04
total runtime to train this model was 25.852165937423706 seconds

Hyperparameteres for model 5 at epoch 19

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3435211181640625 seconds

Loss: 0.9131

Train Accuracy: 67.60%

Test Accuracy: 65.70%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.6059808731079102 seconds

LR changed during epoch: 2.55e-04 -> 2.54e-04

total runtime to train this model was 26.278384685516357 seconds

Hyperparameteres for model 6 at epoch 19

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.355757236480713 seconds

Loss: 0.9724

Train Accuracy: 65.22%

Test Accuracy: 64.53%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.7444860935211182 seconds

LR changed during epoch: 2.94e-04 -> 2.90e-04

total runtime to train this model was 25.638107776641846 seconds

Hyperparameteres for model 7 at epoch 19

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.0616543292999268 seconds

Loss: 0.9354

Train Accuracy: 66.82%

Test Accuracy: 67.66%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.7567639350891113 seconds

LR changed during epoch: 3.66e-04 -> 3.60e-04

total runtime to train this model was 25.50026798248291 seconds

Hyperparameteres for model 8 at epoch 19

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9121696949005127 seconds

Loss: 0.9223

Train Accuracy: 67.36%

Test Accuracy: 66.37%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5935447216033936 seconds

LR changed during epoch: 8.35e-04 -> 8.22e-04

total runtime to train this model was 26.12080693244934 seconds

Hyperparameteres for model 9 at epoch 19

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.293104648590088 seconds

Loss: 0.9275

Train Accuracy: 66.89%

Test Accuracy: 65.87%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 19 Summary:

=====

Time: 303.73s (Avg member: 30.37s)

Population Mean Accuracy: 65.77%

Best Member Accuracy: 67.66%

Mean Batch Size: 256

Mean Learning Rate: 4.15e-04

Mean Weight Decay: 0.095

=====

Epoch 20/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6109893321990967 seconds
LR changed during epoch: 1.40e-04 -> 1.75e-04
total runtime to train this model was 26.080055236816406 seconds
Hyperparameteres for model 0 at epoch 20
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055
drop_path: 0.11041150312481661
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2985053062438965 seconds
Loss: 0.9215
Train Accuracy: 67.37%
Test Accuracy: 66.72%
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 1.5948951244354248 seconds
LR changed during epoch: 2.32e-04 -> 2.28e-04
total runtime to train this model was 26.072615146636963 seconds
Hyperparameteres for model 1 at epoch 20
lr: 0.0002610457762689696

weight_decay: 0.13313120688671945
drop_path: 0.11955409449658805
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.31550931930542 seconds
Loss: 0.9687
Train Accuracy: 65.63%
Test Accuracy: 64.61%
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 1.6106393337249756 seconds
LR changed during epoch: 4.15e-04 -> 4.07e-04
total runtime to train this model was 25.905313730239868 seconds
Hyperparameteres for model 2 at epoch 20
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271
drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.723389148712158 seconds
Loss: 0.9179
Train Accuracy: 67.30%
Test Accuracy: 66.92%
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 1.745295763015747 seconds
LR changed during epoch: 2.81e-04 -> 2.76e-04
total runtime to train this model was 25.32634449005127 seconds
Hyperparameteres for model 3 at epoch 20
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3099589347839355 seconds
Loss: 0.9239
Train Accuracy: 67.20%
Test Accuracy: 67.65%
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 1.643139362335205 seconds
LR changed during epoch: 2.24e-04 -> 2.80e-04
total runtime to train this model was 26.461592435836792 seconds
Hyperparameteres for model 4 at epoch 20
lr: 0.00028002622967736887

weight_decay: 0.1294913990275906

drop_path: 0.026992519551775278

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.272608995437622 seconds
Loss: 0.9571
Train Accuracy: 66.00%
Test Accuracy: 65.19%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6213667392730713 seconds
LR changed during epoch: 6.63e-04 -> 6.51e-04
total runtime to train this model was 26.170578479766846 seconds
Hyperparameteres for model 5 at epoch 20
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.289973258972168 seconds
Loss: 0.8956
Train Accuracy: 68.10%
Test Accuracy: 67.56%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.626791000366211 seconds
LR changed during epoch: 2.54e-04 -> 2.52e-04
total runtime to train this model was 26.775325059890747 seconds
Hyperparameteres for model 6 at epoch 20
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3491666316986084 seconds
Loss: 0.9542
Train Accuracy: 65.90%
Test Accuracy: 66.15%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.68760085105896 seconds
LR changed during epoch: 2.90e-04 -> 2.85e-04
total runtime to train this model was 26.19529700279236 seconds
Hyperparameteres for model 7 at epoch 20
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.162101984024048 seconds
Loss: 0.9138
Train Accuracy: 67.74%
Test Accuracy: 68.22%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.6896870136260986 seconds
LR changed during epoch: 3.60e-04 -> 3.54e-04
total runtime to train this model was 26.453458786010742 seconds
Hyperparameteres for model 8 at epoch 20
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5634918212890625 seconds
Loss: 0.8978
Train Accuracy: 68.16%
Test Accuracy: 67.65%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6088149547576904 seconds
LR changed during epoch: 8.22e-04 -> 8.07e-04
total runtime to train this model was 26.515215396881104 seconds
Hyperparameteres for model 9 at epoch 20
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3073010444641113 seconds
Loss: 0.9033
Train Accuracy: 68.09%
Test Accuracy: 65.67%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [68.22, 67.65]
Bottom performers: [65.19, 64.61]
Member 4 copied from 3
Member 4: lr changed from 0.00028002622967736887 to 0.00027650153037279935
Member 4: weight_decay changed from 0.1294913990275906 to 0.15
Member 4: drop_path changed from 0.026992519551775278 to 0.040925381388043205
Member 4 copied from 3
LR=2.77e-04, WD=0.150, DropPath=0.041, Warmup=5 epochs, Batch=256
Member 1 copied from 7
Member 1: lr changed from 0.0002610457762689696 to 0.00018691972888019236
Member 1: weight_decay changed from 0.13313120688671945 to 0.12453015108727175
Member 1: drop_path changed from 0.11955409449658805 to 0.08997055427760975
Member 1 copied from 7
LR=1.87e-04, WD=0.125, DropPath=0.090, Warmup=5 epochs, Batch=256

```
=====
Epoch 20 Summary:
=====
```

Time: 306.40s (Avg member: 30.64s)
Population Mean Accuracy: 66.63%
Best Member Accuracy: 68.22%
Mean Batch Size: 256
Mean Learning Rate: 4.07e-04
Mean Weight Decay: 0.096

```
=====
Epoch 21/70
=====
```

--- Training Member 0 (Batch size: 256) ---
built data in 1.5945689678192139 seconds
LR changed during epoch: 1.75e-04 -> 1.75e-04
total runtime to train this model was 26.126646757125854 seconds
Hyperparameteres for model 0 at epoch 21
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3326263427734375 seconds

Loss: 0.9183
Train Accuracy: 67.32%
Test Accuracy: 67.14%

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 1.597158670425415 seconds
LR changed during epoch: 1.91e-07 -> 3.76e-05
total runtime to train this model was 25.785428524017334 seconds
Hyperparameteres for model 1 at epoch 21
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2737791538238525 seconds

Loss: 0.8336
Train Accuracy: 70.28%
Test Accuracy: 70.55%

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 1.695572853088379 seconds
LR changed during epoch: 4.07e-04 -> 4.00e-04
total runtime to train this model was 25.78152585029602 seconds
Hyperparameteres for model 2 at epoch 21
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.057171106338501 seconds
Loss: 0.8994
Train Accuracy: 68.03%
Test Accuracy: 67.33%
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 1.7097563743591309 seconds
LR changed during epoch: 2.76e-04 -> 2.71e-04
total runtime to train this model was 25.56124758720398 seconds
Hyperparameteres for model 3 at epoch 21
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.831151008605957 seconds
Loss: 0.9006
Train Accuracy: 68.09%
Test Accuracy: 68.23%
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 1.567756175994873 seconds
LR changed during epoch: 2.82e-07 -> 5.56e-05
total runtime to train this model was 25.968263149261475 seconds
Hyperparameteres for model 4 at epoch 21
lr: 0.00027650153037279935

weight_decay: 0.15

drop_path: 0.040925381388043205

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.301258087158203 seconds

Loss: 0.8442
Train Accuracy: 70.11%
Test Accuracy: 69.65%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5781402587890625 seconds
LR changed during epoch: 6.51e-04 -> 6.39e-04
total runtime to train this model was 25.949981451034546 seconds
Hyperparameteres for model 5 at epoch 21
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3170387744903564 seconds
Loss: 0.8675
Train Accuracy: 69.23%
Test Accuracy: 68.28%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5659582614898682 seconds
LR changed during epoch: 2.52e-04 -> 2.51e-04
total runtime to train this model was 26.126123905181885 seconds
Hyperparameteres for model 6 at epoch 21
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.312438726425171 seconds
Loss: 0.9425
Train Accuracy: 66.60%
Test Accuracy: 65.98%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.647411823272705 seconds
LR changed during epoch: 2.85e-04 -> 2.79e-04
total runtime to train this model was 25.61196208000183 seconds
Hyperparameteres for model 7 at epoch 21
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.391495704650879 seconds
Loss: 0.8921
Train Accuracy: 68.19%
Test Accuracy: 68.11%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.7593696117401123 seconds
LR changed during epoch: 3.54e-04 -> 3.47e-04
total runtime to train this model was 24.313214540481567 seconds
Hyperparameteres for model 8 at epoch 21
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2302868366241455 seconds
Loss: 0.8764
Train Accuracy: 68.75%
Test Accuracy: 67.40%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6434059143066406 seconds
LR changed during epoch: 8.07e-04 -> 7.92e-04
total runtime to train this model was 24.606504440307617 seconds
Hyperparameteres for model 9 at epoch 21
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.951277732849121 seconds
Loss: 0.8773
Train Accuracy: 69.01%
Test Accuracy: 69.00%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 21 Summary:
=====

Time: 300.66s (Avg member: 30.07s)
Population Mean Accuracy: 68.17%
Best Member Accuracy: 70.55%
Mean Batch Size: 256
Mean Learning Rate: 4.07e-04
Mean Weight Decay: 0.096

=====
Epoch 22/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6029069423675537 seconds
LR changed during epoch: 1.75e-04 -> 1.74e-04
total runtime to train this model was 25.344433546066284 seconds
Hyperparameteres for model 0 at epoch 22
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2948086261749268 seconds

Loss: 0.9021
Train Accuracy: 68.10%
Test Accuracy: 67.45%
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 1.5718190670013428 seconds
LR changed during epoch: 3.76e-05 -> 7.50e-05
total runtime to train this model was 25.25268292427063 seconds
Hyperparameteres for model 1 at epoch 22
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3180224895477295 seconds

Loss: 0.8012
Train Accuracy: 71.54%
Test Accuracy: 70.92%
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 1.5537216663360596 seconds
LR changed during epoch: 4.00e-04 -> 3.92e-04
total runtime to train this model was 25.21858549118042 seconds
Hyperparameteres for model 2 at epoch 22

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.342421054840088 seconds

Loss: 0.8717

Train Accuracy: 69.04%

Test Accuracy: 67.71%

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 1.5780541896820068 seconds

LR changed during epoch: 2.71e-04 -> 2.65e-04

total runtime to train this model was 25.42147421836853 seconds

Hyperparameteres for model 3 at epoch 22

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2664525508880615 seconds

Loss: 0.8832

Train Accuracy: 68.47%

Test Accuracy: 68.63%

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 1.6331658363342285 seconds

LR changed during epoch: 5.56e-05 -> 1.11e-04

total runtime to train this model was 25.060823440551758 seconds

Hyperparameteres for model 4 at epoch 22

lr: 0.00027650153037279935

weight_decay: 0.15

drop_path: 0.040925381388043205

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.228703737258911 seconds

Loss: 0.8202

Train Accuracy: 71.02%

Test Accuracy: 70.50%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.720226526260376 seconds

LR changed during epoch: 6.39e-04 -> 6.26e-04

total runtime to train this model was 24.896650552749634 seconds

Hyperparameteres for model 5 at epoch 22

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.0024235248565674 seconds

Loss: 0.8566

Train Accuracy: 69.86%

Test Accuracy: 69.25%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.6617827415466309 seconds

LR changed during epoch: 2.51e-04 -> 2.49e-04

total runtime to train this model was 24.883384466171265 seconds

Hyperparameteres for model 6 at epoch 22

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.060640811920166 seconds

Loss: 0.9193

Train Accuracy: 67.20%

Test Accuracy: 67.03%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.6272649765014648 seconds

LR changed during epoch: 2.79e-04 -> 2.74e-04

total runtime to train this model was 25.41169261932373 seconds

Hyperparameteres for model 7 at epoch 22

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.321411371231079 seconds
Loss: 0.8669
Train Accuracy: 69.32%
Test Accuracy: 69.65%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5654773712158203 seconds
LR changed during epoch: 3.47e-04 -> 3.40e-04
total runtime to train this model was 25.956433057785034 seconds
Hyperparameteres for model 8 at epoch 22
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3658342361450195 seconds
Loss: 0.8517
Train Accuracy: 69.79%
Test Accuracy: 69.64%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.590010643005371 seconds
LR changed during epoch: 7.92e-04 -> 7.76e-04
total runtime to train this model was 25.396374225616455 seconds
Hyperparameteres for model 9 at epoch 22
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2741167545318604 seconds
Loss: 0.8549
Train Accuracy: 69.72%
Test Accuracy: 68.93%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 22 Summary:

=====

Time: 295.81s (Avg member: 29.58s)
Population Mean Accuracy: 68.97%
Best Member Accuracy: 70.92%
Mean Batch Size: 256

Mean Learning Rate: 4.07e-04
Mean Weight Decay: 0.096

=====
Epoch 23/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.5696582794189453 seconds
LR changed during epoch: 1.74e-04 -> 1.74e-04
total runtime to train this model was 25.712092876434326 seconds
Hyperparameteres for model 0 at epoch 23
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3003287315368652 seconds
Loss: 0.8920
Train Accuracy: 68.27%
Test Accuracy: 68.25%
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 1.7007482051849365 seconds
LR changed during epoch: 7.50e-05 -> 1.12e-04
total runtime to train this model was 25.266193151474 seconds
Hyperparameteres for model 1 at epoch 23
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.032113790512085 seconds
Loss: 0.8024
Train Accuracy: 71.64%
Test Accuracy: 71.23%
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 1.6953871250152588 seconds
LR changed during epoch: 3.92e-04 -> 3.83e-04
total runtime to train this model was 25.34531855583191 seconds
Hyperparameteres for model 2 at epoch 23
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7174103260040283 seconds
Loss: 0.8501
Train Accuracy: 69.78%
Test Accuracy: 68.73%
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 1.569779634475708 seconds
LR changed during epoch: 2.65e-04 -> 2.60e-04
total runtime to train this model was 25.556269884109497 seconds
Hyperparameteres for model 3 at epoch 23
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2463347911834717 seconds
Loss: 0.8633
Train Accuracy: 69.34%
Test Accuracy: 69.56%
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 1.5592505931854248 seconds
LR changed during epoch: 1.11e-04 -> 1.66e-04
total runtime to train this model was 26.568628787994385 seconds
Hyperparameteres for model 4 at epoch 23
lr: 0.00027650153037279935

weight_decay: 0.15

drop_path: 0.040925381388043205
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2514185905456543 seconds
Loss: 0.8277
Train Accuracy: 70.83%
Test Accuracy: 69.21%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5736362934112549 seconds

LR changed during epoch: 6.26e-04 -> 6.12e-04
total runtime to train this model was 27.13754415512085 seconds
Hyperparameteres for model 5 at epoch 23
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2756922245025635 seconds
Loss: 0.8338
Train Accuracy: 70.42%
Test Accuracy: 68.73%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6159422397613525 seconds
LR changed during epoch: 2.49e-04 -> 2.47e-04
total runtime to train this model was 26.564947366714478 seconds
Hyperparameteres for model 6 at epoch 23
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0073413848876953 seconds
Loss: 0.8999
Train Accuracy: 68.07%
Test Accuracy: 67.79%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.710942268371582 seconds
LR changed during epoch: 2.74e-04 -> 2.68e-04
total runtime to train this model was 26.63887858390808 seconds
Hyperparameteres for model 7 at epoch 23
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.493623733520508 seconds
Loss: 0.8553

Train Accuracy: 69.85%
Test Accuracy: 69.53%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5779764652252197 seconds
LR changed during epoch: 3.40e-04 -> 3.33e-04
total runtime to train this model was 26.586418628692627 seconds
Hyperparameteres for model 8 at epoch 23
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3544821739196777 seconds
Loss: 0.8327
Train Accuracy: 70.41%
Test Accuracy: 69.55%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5857770442962646 seconds
LR changed during epoch: 7.76e-04 -> 7.59e-04
total runtime to train this model was 26.60764455795288 seconds
Hyperparameteres for model 9 at epoch 23
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3644955158233643 seconds
Loss: 0.8407
Train Accuracy: 70.12%
Test Accuracy: 70.05%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 23 Summary:

=====

Time: 305.66s (Avg member: 30.57s)
Population Mean Accuracy: 69.26%
Best Member Accuracy: 71.23%
Mean Batch Size: 256
Mean Learning Rate: 4.07e-04
Mean Weight Decay: 0.096

=====

Epoch 24/70

--- Training Member 0 (Batch size: 256) ---

built data in 1.6235530376434326 seconds

LR changed during epoch: 1.74e-04 -> 1.73e-04

total runtime to train this model was 26.55419158935547 seconds

Hyperparameteres for model 0 at epoch 24

lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3197503089904785 seconds

Loss: 0.8788

Train Accuracy: 68.86%

Test Accuracy: 68.94%

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 1.776700735092163 seconds

LR changed during epoch: 1.12e-04 -> 1.50e-04

total runtime to train this model was 25.784709453582764 seconds

Hyperparameteres for model 1 at epoch 24

lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.53961181640625 seconds

Loss: 0.8047

Train Accuracy: 71.44%

Test Accuracy: 70.78%

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 1.5830984115600586 seconds

LR changed during epoch: 3.83e-04 -> 3.74e-04

total runtime to train this model was 26.642252445220947 seconds

Hyperparameteres for model 2 at epoch 24

lr: 0.00046580972075259094

weight_decay: 0.04163760518412271

drop_path: 0.08681703746394512

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3020827770233154 seconds

Loss: 0.8372

Train Accuracy: 70.40%

Test Accuracy: 70.25%

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 1.6153419017791748 seconds

LR changed during epoch: 2.60e-04 -> 2.54e-04

total runtime to train this model was 26.39142656326294 seconds

Hyperparameteres for model 3 at epoch 24

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3128552436828613 seconds

Loss: 0.8473

Train Accuracy: 70.09%

Test Accuracy: 69.25%

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 1.6081228256225586 seconds

LR changed during epoch: 1.66e-04 -> 2.21e-04

total runtime to train this model was 26.349183082580566 seconds

Hyperparameteres for model 4 at epoch 24

lr: 0.00027650153037279935

weight_decay: 0.15

drop_path: 0.040925381388043205

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.284716844558716 seconds

Loss: 0.8417

Train Accuracy: 70.10%

Test Accuracy: 68.53%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.6196393966674805 seconds

LR changed during epoch: 6.12e-04 -> 5.98e-04

total runtime to train this model was 25.95661759376526 seconds

Hyperparameteres for model 5 at epoch 24

lr: 0.000744617784354611

weight_decay: 0.1077555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7034153938293457 seconds
Loss: 0.8157
Train Accuracy: 71.01%
Test Accuracy: 70.40%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7556304931640625 seconds
LR changed during epoch: 2.47e-04 -> 2.44e-04
total runtime to train this model was 25.58986735343933 seconds
Hyperparameteres for model 6 at epoch 24
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0915770530700684 seconds
Loss: 0.8806
Train Accuracy: 68.79%
Test Accuracy: 69.16%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.6236631870269775 seconds
LR changed during epoch: 2.68e-04 -> 2.62e-04
total runtime to train this model was 26.213908433914185 seconds
Hyperparameteres for model 7 at epoch 24
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2372922897338867 seconds
Loss: 0.8329
Train Accuracy: 70.52%
Test Accuracy: 69.45%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5749070644378662 seconds
LR changed during epoch: 3.33e-04 -> 3.26e-04
total runtime to train this model was 25.982226133346558 seconds
Hyperparameteres for model 8 at epoch 24
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3259713649749756 seconds
Loss: 0.8088
Train Accuracy: 71.35%
Test Accuracy: 70.17%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6328802108764648 seconds
LR changed during epoch: 7.59e-04 -> 7.42e-04
total runtime to train this model was 25.80658483505249 seconds
Hyperparameteres for model 9 at epoch 24
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2170464992523193 seconds
Loss: 0.8158
Train Accuracy: 71.01%
Test Accuracy: 69.44%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 24 Summary:

=====

Time: 305.48s (Avg member: 30.55s)
Population Mean Accuracy: 69.64%
Best Member Accuracy: 70.78%
Mean Batch Size: 256
Mean Learning Rate: 4.07e-04
Mean Weight Decay: 0.096

=====

Epoch 25/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.5936484336853027 seconds
LR changed during epoch: 1.73e-04 -> 1.72e-04
total runtime to train this model was 26.13604235649109 seconds
Hyperparameteres for model 0 at epoch 25
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055
drop_path: 0.11041150312481661
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2614810466766357 seconds
Loss: 0.8585
Train Accuracy: 69.43%
Test Accuracy: 69.64%
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 1.7075088024139404 seconds
LR changed during epoch: 1.50e-04 -> 1.87e-04
total runtime to train this model was 25.17612314224243 seconds
Hyperparameteres for model 1 at epoch 25
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175
drop_path: 0.08997055427760975
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4061014652252197 seconds
Loss: 0.8130
Train Accuracy: 71.10%
Test Accuracy: 69.97%
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 1.6346230506896973 seconds
LR changed during epoch: 3.74e-04 -> 3.65e-04
total runtime to train this model was 25.630118131637573 seconds
Hyperparameteres for model 2 at epoch 25
lr: 0.00046580972075259094

weight_decay: 0.04163760518412271
drop_path: 0.08681703746394512
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.415919065475464 seconds

Loss: 0.8125
Train Accuracy: 71.03%
Test Accuracy: 69.29%
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 1.5721995830535889 seconds
LR changed during epoch: 2.54e-04 -> 2.48e-04
total runtime to train this model was 25.459829807281494 seconds
Hyperparameteres for model 3 at epoch 25
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2374014854431152 seconds
Loss: 0.8274
Train Accuracy: 70.67%
Test Accuracy: 69.59%
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 1.5608179569244385 seconds
LR changed during epoch: 2.21e-04 -> 2.77e-04
total runtime to train this model was 25.68212103843689 seconds
Hyperparameteres for model 4 at epoch 25
lr: 0.00027650153037279935

weight_decay: 0.15
drop_path: 0.040925381388043205
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.260927677154541 seconds
Loss: 0.8611
Train Accuracy: 69.48%
Test Accuracy: 69.00%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.595263957977295 seconds
LR changed during epoch: 5.98e-04 -> 5.84e-04
total runtime to train this model was 25.560810565948486 seconds
Hyperparameteres for model 5 at epoch 25
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2053186893463135 seconds
Loss: 0.7930
Train Accuracy: 71.91%
Test Accuracy: 70.48%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5764775276184082 seconds
LR changed during epoch: 2.44e-04 -> 2.41e-04
total runtime to train this model was 25.73033046722412 seconds
Hyperparameteres for model 6 at epoch 25
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.241715431213379 seconds
Loss: 0.8597
Train Accuracy: 69.41%
Test Accuracy: 69.70%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.701509714126587 seconds
LR changed during epoch: 2.62e-04 -> 2.55e-04
total runtime to train this model was 24.858358144760132 seconds
Hyperparameteres for model 7 at epoch 25
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0281248092651367 seconds
Loss: 0.8132
Train Accuracy: 71.17%
Test Accuracy: 70.20%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6573073863983154 seconds
LR changed during epoch: 3.26e-04 -> 3.18e-04

total runtime to train this model was 24.788151502609253 seconds

Hyperparameteres for model 8 at epoch 25

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9362611770629883 seconds

Loss: 0.7857

Train Accuracy: 72.32%

Test Accuracy: 71.04%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5767383575439453 seconds

LR changed during epoch: 7.42e-04 -> 7.24e-04

total runtime to train this model was 25.3625807762146 seconds

Hyperparameteres for model 9 at epoch 25

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.255762815475464 seconds

Loss: 0.7997

Train Accuracy: 71.59%

Test Accuracy: 70.90%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====

Top performers: [71.04, 70.9]

Bottom performers: [69.29, 69.0]

Member 2 copied from 8

Member 2: lr changed from 0.00046580972075259094 to 0.0004023406872032052

Member 2: weight_decay changed from 0.04163760518412271 to 0.022301843689572068

Member 2: drop_path changed from 0.08681703746394512 to 0.11436235854307009

Member 2 copied from 8

LR=4.02e-04, WD=0.022, DropPath=0.114, Warmup=5 epochs, Batch=256

Member 4 copied from 9

Member 4: lr changed from 0.00027650153037279935 to 0.00021168779715883952

Member 4: drop_path changed from 0.040925381388043205 to 0.0731723787759781

Member 4 copied from 9

LR=2.12e-04, WD=0.150, DropPath=0.073, Warmup=5 epochs, Batch=256

=====

Epoch 25 Summary:

Time: 298.40s (Avg member: 29.84s)
Population Mean Accuracy: 69.98%
Best Member Accuracy: 71.04%
Mean Batch Size: 256
Mean Learning Rate: 3.95e-04
Mean Weight Decay: 0.094

Epoch 26/70

```
--- Training Member 0 (Batch size: 256) ---
built data in 1.602440595626831 seconds
LR changed during epoch: 1.72e-04 -> 1.71e-04
total runtime to train this model was 25.73439621925354 seconds
Hyperparameteres for model 0 at epoch 26
lr: 0.0001748780992323349
```

weight_decay: 0.09123562550886055

drop path: 0.11041150312481661

warmup_epochs: 5

batch size: 256

_____ end of hyperparam printing _____
evaluation in 2.263536214828491 seconds

Loss: 0.8475

Train Accuracy: 69.81%

Test Accuracy: 70.23%

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Table 10: Model fit (Bentler's χ^2)

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

| Built-in data in 1.5882906913757324 seconds

LR changed during epoch: 1.87e-04 -> 1.87e-04
total n. steps to train this model: ~ 25.25145000475525 seconds

The total runtime to train this model was 25.3512 hours.

Hyperparameters for model 1

weight_decay: 0.13453015108737175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch size: 256

_____ end of hyperparam printing _____
evaluation in 2.2196390628814697 seconds

Loss: 0.8115

Train Accuracy: 71.40%

Test Accuracy: 69.96%

Google Drive already mounted.

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

built data in 1.6528518199920654 seconds

LR changed during epoch: 4.11e-07 -> 8.09e-05

Hyperparameteres for model 2 at epoch 26

lr: 0.0004023406872032052

weight_decay: 0.022301843689572068

drop_path: 0.11436235854307009

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.186802387237549 seconds

Loss: 0.7235

Train Accuracy: 74.46%

Test Accuracy: 73.34%

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 1.5634124279022217 seconds

LR changed during epoch: 2.48e-04 -> 2.41e-04

total runtime to train this model was 25.674564361572266 seconds

Hyperparameteres for model 3 at epoch 26

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.280850887298584 seconds

Loss: 0.8110

Train Accuracy: 71.46%

Test Accuracy: 70.58%

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 1.7362995147705078 seconds

LR changed during epoch: 2.16e-07 -> 4.26e-05

total runtime to train this model was 24.943965435028076 seconds

Hyperparameteres for model 4 at epoch 26

lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9101369380950928 seconds

Loss: 0.7154

Train Accuracy: 74.50%

Test Accuracy: 73.43%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.7434005737304688 seconds

LR changed during epoch: 5.84e-04 -> 5.69e-04

total runtime to train this model was 24.5681791305542 seconds

Hyperparameteres for model 5 at epoch 26

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.048818588256836 seconds

Loss: 0.7769

Train Accuracy: 72.50%

Test Accuracy: 72.07%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.5796570777893066 seconds

LR changed during epoch: 2.41e-04 -> 2.38e-04

total runtime to train this model was 25.641295194625854 seconds

Hyperparameteres for model 6 at epoch 26

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.239335060119629 seconds

Loss: 0.8444

Train Accuracy: 70.06%

Test Accuracy: 67.05%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.5830011367797852 seconds

LR changed during epoch: 2.55e-04 -> 2.49e-04

total runtime to train this model was 25.343623399734497 seconds

Hyperparameteres for model 7 at epoch 26

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.202157974243164 seconds

Loss: 0.7906

Train Accuracy: 72.19%

Test Accuracy: 70.92%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.601041555404663 seconds

LR changed during epoch: 3.18e-04 -> 3.10e-04

total runtime to train this model was 25.47727680206299 seconds

Hyperparameteres for model 8 at epoch 26

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.189344882965088 seconds

Loss: 0.7674

Train Accuracy: 73.00%

Test Accuracy: 70.67%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5944771766662598 seconds

LR changed during epoch: 7.24e-04 -> 7.05e-04

total runtime to train this model was 25.278242111206055 seconds

Hyperparameteres for model 9 at epoch 26

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2060139179229736 seconds

Loss: 0.7836

Train Accuracy: 72.26%

Test Accuracy: 70.75%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 26 Summary:

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Time: 295.65s (Avg member: 29.56s)

Population Mean Accuracy: 70.90%

Best Member Accuracy: 73.43%

Mean Batch Size: 256
Mean Learning Rate: 3.95e-04
Mean Weight Decay: 0.094

=====
Epoch 27/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6104683876037598 seconds
LR changed during epoch: 1.71e-04 -> 1.70e-04
total runtime to train this model was 25.26589322090149 seconds
Hyperparameteres for model 0 at epoch 27
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2590861320495605 seconds
Loss: 0.8318
Train Accuracy: 70.58%
Test Accuracy: 69.94%

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 1.729902744293213 seconds
LR changed during epoch: 1.87e-04 -> 1.86e-04
total runtime to train this model was 24.733124256134033 seconds
Hyperparameteres for model 1 at epoch 27
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0063483715057373 seconds
Loss: 0.8023
Train Accuracy: 71.63%
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 1.7273690700531006 seconds
LR changed during epoch: 8.09e-05 -> 1.61e-04
total runtime to train this model was 24.673826217651367 seconds
Hyperparameteres for model 2 at epoch 27
lr: 0.0004023406872032052

weight_decay: 0.022301843689572068

drop_path: 0.11436235854307009
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.994558572769165 seconds
Loss: 0.7055
Train Accuracy: 75.10%
Test Accuracy: 72.61%
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 1.6017265319824219 seconds
LR changed during epoch: 2.41e-04 -> 2.35e-04
total runtime to train this model was 25.443171501159668 seconds
Hyperparameteres for model 3 at epoch 27
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2441306114196777 seconds
Loss: 0.7965
Train Accuracy: 71.78%
Test Accuracy: 71.15%
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 1.6439540386199951 seconds
LR changed during epoch: 4.26e-05 -> 8.49e-05
total runtime to train this model was 25.240700721740723 seconds
Hyperparameteres for model 4 at epoch 27
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1687116622924805 seconds
Loss: 0.6651
Train Accuracy: 76.48%
Test Accuracy: 74.11%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---

built data in 1.6301319599151611 seconds
LR changed during epoch: 5.69e-04 -> 5.53e-04
total runtime to train this model was 25.1697416305542 seconds
Hyperparameteres for model 5 at epoch 27
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2518868446350098 seconds
Loss: 0.7560
Train Accuracy: 73.19%
Test Accuracy: 70.97%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5692870616912842 seconds
LR changed during epoch: 2.38e-04 -> 2.35e-04
total runtime to train this model was 25.25497055053711 seconds
Hyperparameteres for model 6 at epoch 27
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755
drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3145902156829834 seconds
Loss: 0.8336
Train Accuracy: 70.41%
Test Accuracy: 69.88%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.577582597732544 seconds
LR changed during epoch: 2.49e-04 -> 2.42e-04
total runtime to train this model was 25.319398641586304 seconds
Hyperparameteres for model 7 at epoch 27
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.249206304550171 seconds

Loss: 0.7776
Train Accuracy: 72.43%
Test Accuracy: 71.45%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6813759803771973 seconds
LR changed during epoch: 3.10e-04 -> 3.01e-04
total runtime to train this model was 25.59992241859436 seconds
Hyperparameters for model 8 at epoch 27
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0684123039245605 seconds
Loss: 0.7446
Train Accuracy: 73.78%
Test Accuracy: 71.26%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7418172359466553 seconds
LR changed during epoch: 7.05e-04 -> 6.86e-04
total runtime to train this model was 25.010176420211792 seconds
Hyperparameters for model 9 at epoch 27
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.333170175552368 seconds
Loss: 0.7559
Train Accuracy: 73.13%
Test Accuracy: 71.45%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 27 Summary:
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Time: 296.63s (Avg member: 29.66s)
Population Mean Accuracy: 71.35%
Best Member Accuracy: 74.11%
Mean Batch Size: 256
Mean Learning Rate: 3.95e-04
Mean Weight Decay: 0.094

```
=====
Epoch 28/70
=====
```

--- Training Member 0 (Batch size: 256) ---
built data in 1.6108906269073486 seconds
LR changed during epoch: 1.70e-04 -> 1.68e-04
total runtime to train this model was 25.751999139785767 seconds
Hyperparameteres for model 0 at epoch 28
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.328840732574463 seconds

Loss: 0.8218
Train Accuracy: 70.81%
Test Accuracy: 70.32%

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 1.5835981369018555 seconds
LR changed during epoch: 1.86e-04 -> 1.86e-04
total runtime to train this model was 25.278350114822388 seconds
Hyperparameteres for model 1 at epoch 28
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.308058738708496 seconds

Loss: 0.7881
Train Accuracy: 72.21%
Test Accuracy: 71.52%

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 1.5953280925750732 seconds
LR changed during epoch: 1.61e-04 -> 2.42e-04
total runtime to train this model was 25.401365756988525 seconds
Hyperparameteres for model 2 at epoch 28
lr: 0.0004023406872032052

weight_decay: 0.022301843689572068

drop_path: 0.11436235854307009

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2398128509521484 seconds
Loss: 0.7240
Train Accuracy: 74.41%
Test Accuracy: 72.50%
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 1.6183629035949707 seconds
LR changed during epoch: 2.35e-04 -> 2.28e-04
total runtime to train this model was 25.33208680152893 seconds
Hyperparameteres for model 3 at epoch 28
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.23169207572937 seconds
Loss: 0.7806
Train Accuracy: 72.40%
Test Accuracy: 71.99%
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 1.6309871673583984 seconds
LR changed during epoch: 8.49e-05 -> 1.27e-04
total runtime to train this model was 25.497282028198242 seconds
Hyperparameteres for model 4 at epoch 28
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2040092945098877 seconds
Loss: 0.6485
Train Accuracy: 77.05%
Test Accuracy: 74.12%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.7521545886993408 seconds
LR changed during epoch: 5.53e-04 -> 5.38e-04
total runtime to train this model was 25.0380117893219 seconds
Hyperparameteres for model 5 at epoch 28

lr: 0.000744617784354611

weight_decay: 0.1077555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3776001930236816 seconds

Loss: 0.7419

Train Accuracy: 73.82%

Test Accuracy: 72.23%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.7618279457092285 seconds

LR changed during epoch: 2.35e-04 -> 2.32e-04

total runtime to train this model was 24.68976378440857 seconds

Hyperparameteres for model 6 at epoch 28

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3592591285705566 seconds

Loss: 0.8184

Train Accuracy: 71.03%

Test Accuracy: 70.90%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.6037468910217285 seconds

LR changed during epoch: 2.42e-04 -> 2.35e-04

total runtime to train this model was 25.08998441696167 seconds

Hyperparameteres for model 7 at epoch 28

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4894325733184814 seconds

Loss: 0.7570

Train Accuracy: 73.04%

Test Accuracy: 72.28%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.6343891620635986 seconds

LR changed during epoch: 3.01e-04 -> 2.92e-04

total runtime to train this model was 25.055927276611328 seconds

Hyperparameteres for model 8 at epoch 28

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2748053073883057 seconds

Loss: 0.7336

Train Accuracy: 73.93%

Test Accuracy: 71.33%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5718472003936768 seconds

LR changed during epoch: 6.86e-04 -> 6.66e-04

total runtime to train this model was 25.636420965194702 seconds

Hyperparameteres for model 9 at epoch 28

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.275120496749878 seconds

Loss: 0.7421

Train Accuracy: 73.70%

Test Accuracy: 72.21%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 28 Summary:

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Time: 295.67s (Avg member: 29.57s)

Population Mean Accuracy: 71.94%

Best Member Accuracy: 74.12%

Mean Batch Size: 256

Mean Learning Rate: 3.95e-04

Mean Weight Decay: 0.094

=====

Epoch 29/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6144185066223145 seconds
LR changed during epoch: 1.68e-04 -> 1.67e-04
total runtime to train this model was 25.380475997924805 seconds
Hyperparameteres for model 0 at epoch 29
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1701598167419434 seconds
Loss: 0.8075
Train Accuracy: 71.38%
Test Accuracy: 70.72%
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 1.6127636432647705 seconds
LR changed during epoch: 1.86e-04 -> 1.85e-04
total runtime to train this model was 25.228222846984863 seconds
Hyperparameteres for model 1 at epoch 29
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.252140760421753 seconds
Loss: 0.7756
Train Accuracy: 72.32%
Test Accuracy: 72.05%
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 1.5905508995056152 seconds
LR changed during epoch: 2.42e-04 -> 3.22e-04
total runtime to train this model was 25.118645906448364 seconds
Hyperparameteres for model 2 at epoch 29
lr: 0.0004023406872032052

weight_decay: 0.022301843689572068

drop_path: 0.11436235854307009

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.4444808959960938 seconds
Loss: 0.7454
Train Accuracy: 73.75%
Test Accuracy: 72.17%
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 1.7401998043060303 seconds
LR changed during epoch: 2.28e-04 -> 2.21e-04
total runtime to train this model was 24.64457893371582 seconds
Hyperparameteres for model 3 at epoch 29
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.105081796646118 seconds
Loss: 0.7627
Train Accuracy: 73.08%
Test Accuracy: 72.30%
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 1.6731815338134766 seconds
LR changed during epoch: 1.27e-04 -> 1.70e-04
total runtime to train this model was 24.542041063308716 seconds
Hyperparameteres for model 4 at epoch 29
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9593241214752197 seconds
Loss: 0.6432
Train Accuracy: 77.26%
Test Accuracy: 74.12%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5892384052276611 seconds
LR changed during epoch: 5.38e-04 -> 5.21e-04
total runtime to train this model was 25.426610469818115 seconds
Hyperparameteres for model 5 at epoch 29
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.184417486190796 seconds
Loss: 0.7235
Train Accuracy: 74.32%
Test Accuracy: 72.66%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.589949607849121 seconds
LR changed during epoch: 2.32e-04 -> 2.28e-04
total runtime to train this model was 25.230594396591187 seconds
Hyperparameteres for model 6 at epoch 29
lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2274043560028076 seconds
Loss: 0.8007
Train Accuracy: 71.52%
Test Accuracy: 70.68%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5947151184082031 seconds
LR changed during epoch: 2.35e-04 -> 2.28e-04
total runtime to train this model was 25.284461498260498 seconds
Hyperparameteres for model 7 at epoch 29
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2208197116851807 seconds
Loss: 0.7358
Train Accuracy: 73.88%
Test Accuracy: 72.43%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6236591339111328 seconds

LR changed during epoch: 2.92e-04 -> 2.84e-04
total runtime to train this model was 25.37621569633484 seconds
Hyperparameteres for model 8 at epoch 29
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3251538276672363 seconds
Loss: 0.7168
Train Accuracy: 74.57%
Test Accuracy: 72.73%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6729931831359863 seconds
LR changed during epoch: 6.66e-04 -> 6.46e-04
total runtime to train this model was 25.087303400039673 seconds
Hyperparameteres for model 9 at epoch 29
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.318361520767212 seconds
Loss: 0.7245
Train Accuracy: 74.27%
Test Accuracy: 72.28%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 29 Summary:
=====

Time: 294.34s (Avg member: 29.43s)
Population Mean Accuracy: 72.21%
Best Member Accuracy: 74.12%
Mean Batch Size: 256
Mean Learning Rate: 3.95e-04
Mean Weight Decay: 0.094

=====
Epoch 30/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.8009750843048096 seconds
LR changed during epoch: 1.67e-04 -> 1.65e-04
total runtime to train this model was 24.48377275466919 seconds

Hyperparameteres for model 0 at epoch 30

lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.8780195713043213 seconds

Loss: 0.7961

Train Accuracy: 71.75%

Test Accuracy: 71.48%

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 1.7225065231323242 seconds

LR changed during epoch: 1.85e-04 -> 1.84e-04

total runtime to train this model was 24.675893306732178 seconds

Hyperparameteres for model 1 at epoch 30

lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.1023714542388916 seconds

Loss: 0.7673

Train Accuracy: 72.90%

Test Accuracy: 71.93%

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 1.6162488460540771 seconds

LR changed during epoch: 3.22e-04 -> 4.02e-04

total runtime to train this model was 25.309500217437744 seconds

Hyperparameteres for model 2 at epoch 30

lr: 0.0004023406872032052

weight_decay: 0.022301843689572068

drop_path: 0.11436235854307009

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3167366981506348 seconds

Loss: 0.7665

Train Accuracy: 72.65%

Test Accuracy: 69.97%

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 1.6023509502410889 seconds
LR changed during epoch: 2.21e-04 -> 2.14e-04
total runtime to train this model was 26.21969723701477 seconds
Hyperparameteres for model 3 at epoch 30
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.318131446838379 seconds
Loss: 0.7494
Train Accuracy: 73.49%
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 1.644296407699585 seconds
LR changed during epoch: 1.70e-04 -> 2.12e-04
total runtime to train this model was 25.37688183784485 seconds
Hyperparameteres for model 4 at epoch 30
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1635918617248535 seconds
Loss: 0.6382
Train Accuracy: 77.28%
Test Accuracy: 73.90%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5964176654815674 seconds
LR changed during epoch: 5.21e-04 -> 5.05e-04
total runtime to train this model was 25.373987913131714 seconds
Hyperparameteres for model 5 at epoch 30
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2344439029693604 seconds

Loss: 0.7028

Train Accuracy: 75.08%

Test Accuracy: 72.81%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.6797349452972412 seconds

LR changed during epoch: 2.28e-04 -> 2.24e-04

total runtime to train this model was 25.120492219924927 seconds

Hyperparameteres for model 6 at epoch 30

lr: 0.00025608056601279837

weight_decay: 0.14031453812930755

drop_path: 0.11495957910748153

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.338454484939575 seconds

Loss: 0.7799

Train Accuracy: 72.48%

Test Accuracy: 71.34%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.7503938674926758 seconds

LR changed during epoch: 2.28e-04 -> 2.21e-04

total runtime to train this model was 24.60392928123474 seconds

Hyperparameteres for model 7 at epoch 30

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.295485734939575 seconds

Loss: 0.7244

Train Accuracy: 74.29%

Test Accuracy: 73.30%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.6324586868286133 seconds

LR changed during epoch: 2.84e-04 -> 2.75e-04

total runtime to train this model was 24.652517557144165 seconds

Hyperparameteres for model 8 at epoch 30

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8480327129364014 seconds

Loss: 0.6931

Train Accuracy: 75.66%

Test Accuracy: 73.47%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5991425514221191 seconds

LR changed during epoch: 6.46e-04 -> 6.26e-04

total runtime to train this model was 25.44207191467285 seconds

Hyperparameteres for model 9 at epoch 30

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2582709789276123 seconds

Loss: 0.7076

Train Accuracy: 74.83%

Test Accuracy: 73.03%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====

Top performers: [73.9, 73.47]

Bottom performers: [71.34, 69.97]

Member 6 copied from 8

Member 6: lr changed from 0.00025608056601279837 to 0.0002479019915385039

Member 6: weight_decay changed from 0.14031453812930755 to 0.12387433223138913

Member 6: drop_path changed from 0.11495957910748153 to 0.11110801110230163

Member 6 copied from 8

LR=2.48e-04, WD=0.124, DropPath=0.111, Warmup=5 epochs, Batch=256

Member 2 copied from 8

Member 2: lr changed from 0.0004023406872032052 to 0.00048208195497570125

Member 2: weight_decay changed from 0.022301843689572068 to 0.02

Member 2: drop_path changed from 0.11436235854307009 to 0.10832107329434562

Member 2 copied from 8

LR=4.82e-04, WD=0.020, DropPath=0.108, Warmup=5 epochs, Batch=256

=====

Epoch 30 Summary:

=====

Time: 296.14s (Avg member: 29.61s)

Population Mean Accuracy: 72.36%

Best Member Accuracy: 73.90%

Mean Batch Size: 256

Mean Learning Rate: 4.02e-04

Mean Weight Decay: 0.092

=====

Epoch 31/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6585135459899902 seconds

LR changed during epoch: 1.65e-04 -> 1.63e-04

total runtime to train this model was 25.574981451034546 seconds

Hyperparameteres for model 0 at epoch 31

lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.204033613204956 seconds

Loss: 0.7775

Train Accuracy: 72.36%

Test Accuracy: 71.63%

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 1.5926792621612549 seconds

LR changed during epoch: 1.84e-04 -> 1.83e-04

total runtime to train this model was 25.3938570022583 seconds

Hyperparameteres for model 1 at epoch 31

lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3021323680877686 seconds

Loss: 0.7483

Train Accuracy: 73.17%

Test Accuracy: 72.70%

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 1.5945227146148682 seconds

LR changed during epoch: 4.92e-07 -> 9.69e-05

total runtime to train this model was 25.29808282852173 seconds

Hyperparameteres for model 2 at epoch 31

lr: 0.00048208195497570125

weight_decay: 0.02
drop_path: 0.10832107329434562
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2931430339813232 seconds
Loss: 0.6334
Train Accuracy: 77.59%
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 1.6991472244262695 seconds
LR changed during epoch: 2.14e-04 -> 2.07e-04
total runtime to train this model was 25.692081451416016 seconds
Hyperparameteres for model 3 at epoch 31
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.193998098373413 seconds
Loss: 0.7316
Train Accuracy: 74.16%
Test Accuracy: 73.54%
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 1.7320888042449951 seconds
LR changed during epoch: 2.12e-04 -> 2.12e-04
total runtime to train this model was 25.433164834976196 seconds
Hyperparameteres for model 4 at epoch 31
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.895409345626831 seconds
Loss: 0.6287
Train Accuracy: 77.62%
Test Accuracy: 74.32%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.613969087600708 seconds
LR changed during epoch: 5.05e-04 -> 4.88e-04
total runtime to train this model was 25.525428771972656 seconds
Hyperparameteres for model 5 at epoch 31
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2075765132904053 seconds
Loss: 0.6833
Train Accuracy: 75.88%
Test Accuracy: 72.86%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6283161640167236 seconds
LR changed during epoch: 2.53e-07 -> 4.98e-05
total runtime to train this model was 25.600194931030273 seconds
Hyperparameteres for model 6 at epoch 31
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.237379312515259 seconds
Loss: 0.6386
Train Accuracy: 77.44%
Test Accuracy: 75.41%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.604677677154541 seconds
LR changed during epoch: 2.21e-04 -> 2.13e-04
total runtime to train this model was 25.346323490142822 seconds
Hyperparameteres for model 7 at epoch 31
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3152620792388916 seconds
Loss: 0.7040
Train Accuracy: 74.95%
Test Accuracy: 72.45%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6111233234405518 seconds
LR changed during epoch: 2.75e-04 -> 2.65e-04
total runtime to train this model was 25.379483699798584 seconds
Hyperparameteres for model 8 at epoch 31
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.194753646850586 seconds
Loss: 0.6779
Train Accuracy: 76.10%
Test Accuracy: 73.53%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7428829669952393 seconds
LR changed during epoch: 6.26e-04 -> 6.05e-04
total runtime to train this model was 24.677971839904785 seconds
Hyperparameteres for model 9 at epoch 31
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8193366527557373 seconds
Loss: 0.6859
Train Accuracy: 75.77%
Test Accuracy: 73.66%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 31 Summary:

=====

Time: 297.49s (Avg member: 29.75s)
Population Mean Accuracy: 73.55%
Best Member Accuracy: 75.41%
Mean Batch Size: 256
Mean Learning Rate: 4.02e-04

Mean Weight Decay: 0.092

=====

Epoch 32/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.801140308380127 seconds
LR changed during epoch: 1.63e-04 -> 1.61e-04
total runtime to train this model was 24.637672662734985 seconds
Hyperparameteres for model 0 at epoch 32
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.185275077819824 seconds
Loss: 0.7665
Train Accuracy: 73.03%
Test Accuracy: 71.12%
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 1.6060845851898193 seconds
LR changed during epoch: 1.83e-04 -> 1.82e-04
total runtime to train this model was 25.6120662689209 seconds
Hyperparameteres for model 1 at epoch 32
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.294761896133423 seconds
Loss: 0.7375
Train Accuracy: 73.90%
Test Accuracy: 72.85%
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 1.6272461414337158 seconds
LR changed during epoch: 9.69e-05 -> 1.93e-04
total runtime to train this model was 25.98339581489563 seconds
Hyperparameteres for model 2 at epoch 32
lr: 0.00048208195497570125

weight_decay: 0.02

drop_path: 0.10832107329434562

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3293569087982178 seconds
Loss: 0.6308
Train Accuracy: 77.53%
Test Accuracy: 73.91%
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 1.625361680984497 seconds
LR changed during epoch: 2.07e-04 -> 2.00e-04
total runtime to train this model was 25.754363775253296 seconds
Hyperparameteres for model 3 at epoch 32
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.296191692352295 seconds
Loss: 0.7133
Train Accuracy: 74.65%
Test Accuracy: 73.46%
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 1.6473777294158936 seconds
LR changed during epoch: 2.12e-04 -> 2.11e-04
total runtime to train this model was 25.47261905670166 seconds
Hyperparameteres for model 4 at epoch 32
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.269827365875244 seconds
Loss: 0.6215
Train Accuracy: 77.91%
Test Accuracy: 74.83%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.7829132080078125 seconds
LR changed during epoch: 4.88e-04 -> 4.70e-04

total runtime to train this model was 25.448004484176636 seconds

Hyperparameteres for model 5 at epoch 32

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9025707244873047 seconds

Loss: 0.6638

Train Accuracy: 76.42%

Test Accuracy: 73.34%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.764305830001831 seconds

LR changed during epoch: 4.98e-05 -> 9.94e-05

total runtime to train this model was 24.85476517677307 seconds

Hyperparameteres for model 6 at epoch 32

lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.063291311264038 seconds

Loss: 0.6125

Train Accuracy: 78.20%

Test Accuracy: 75.56%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.6178109645843506 seconds

LR changed during epoch: 2.13e-04 -> 2.06e-04

total runtime to train this model was 25.88709568977356 seconds

Hyperparameteres for model 7 at epoch 32

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.244145393371582 seconds

Loss: 0.6916

Train Accuracy: 75.30%

Test Accuracy: 74.12%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6201117038726807 seconds
LR changed during epoch: 2.65e-04 -> 2.56e-04
total runtime to train this model was 25.930932998657227 seconds
Hyperparameteres for model 8 at epoch 32
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2598161697387695 seconds
Loss: 0.6596
Train Accuracy: 76.57%
Test Accuracy: 72.81%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6003973484039307 seconds
LR changed during epoch: 6.05e-04 -> 5.83e-04
total runtime to train this model was 25.862070322036743 seconds
Hyperparameteres for model 9 at epoch 32
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.298250198364258 seconds
Loss: 0.6665
Train Accuracy: 76.38%
Test Accuracy: 73.73%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 32 Summary:

=====

Time: 299.71s (Avg member: 29.97s)
Population Mean Accuracy: 73.57%
Best Member Accuracy: 75.56%
Mean Batch Size: 256
Mean Learning Rate: 4.02e-04
Mean Weight Decay: 0.092

=====

Epoch 33/70

```
=====
--- Training Member 0 (Batch size: 256) ---
built data in 1.6303434371948242 seconds
LR changed during epoch: 1.61e-04 -> 1.58e-04
total runtime to train this model was 26.521766424179077 seconds
Hyperparameteres for model 0 at epoch 33
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.331756353378296 seconds
Loss: 0.7568
Train Accuracy: 73.13%
Test Accuracy: 71.93%
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 1.744163990020752 seconds
LR changed during epoch: 1.82e-04 -> 1.80e-04
total runtime to train this model was 26.31494140625 seconds
Hyperparameteres for model 1 at epoch 33
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.520146369934082 seconds
Loss: 0.7233
Train Accuracy: 74.34%
Test Accuracy: 73.15%
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 1.5766172409057617 seconds
LR changed during epoch: 1.93e-04 -> 2.90e-04
total runtime to train this model was 26.023443937301636 seconds
Hyperparameteres for model 2 at epoch 33
lr: 0.00048208195497570125

weight_decay: 0.02

drop_path: 0.10832107329434562

warmup_epochs: 5

batch_size: 256
```

_____ end of hyperparam printing _____
evaluation in 2.3122305870056152 seconds
Loss: 0.6659
Train Accuracy: 76.40%
Test Accuracy: 73.40%
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 1.5858495235443115 seconds
LR changed during epoch: 2.00e-04 -> 1.92e-04
total runtime to train this model was 25.899043798446655 seconds
Hyperparameteres for model 3 at epoch 33
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.28310489654541 seconds
Loss: 0.7008
Train Accuracy: 75.09%
Test Accuracy: 73.14%
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 1.615145206451416 seconds
LR changed during epoch: 2.11e-04 -> 2.11e-04
total runtime to train this model was 26.36661720275879 seconds
Hyperparameteres for model 4 at epoch 33
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3166041374206543 seconds
Loss: 0.6131
Train Accuracy: 78.01%
Test Accuracy: 75.30%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6370866298675537 seconds
LR changed during epoch: 4.70e-04 -> 4.53e-04
total runtime to train this model was 26.172900438308716 seconds
Hyperparameteres for model 5 at epoch 33
lr: 0.000744617784354611

weight_decay: 0.1077555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.309016227722168 seconds

Loss: 0.6499

Train Accuracy: 77.03%

Test Accuracy: 74.13%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.8060309886932373 seconds

LR changed during epoch: 9.94e-05 -> 1.49e-04

total runtime to train this model was 25.543267488479614 seconds

Hyperparameteres for model 6 at epoch 33

lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.516535520553589 seconds

Loss: 0.6156

Train Accuracy: 78.12%

Test Accuracy: 75.52%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.574439287185669 seconds

LR changed during epoch: 2.06e-04 -> 1.98e-04

total runtime to train this model was 25.67513108253479 seconds

Hyperparameteres for model 7 at epoch 33

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3813393115997314 seconds

Loss: 0.6762

Train Accuracy: 75.97%

Test Accuracy: 74.39%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

```
--- Training Member 8 (Batch size: 256) ---
built data in 1.6091840267181396 seconds
LR changed during epoch: 2.56e-04 -> 2.47e-04
total runtime to train this model was 25.74058985710144 seconds
Hyperparameteres for model 8 at epoch 33
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.320885419845581 seconds
Loss: 0.6398
Train Accuracy: 77.17%
Test Accuracy: 74.49%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6100013256072998 seconds
LR changed during epoch: 5.83e-04 -> 5.62e-04
total runtime to train this model was 26.042284965515137 seconds
Hyperparameteres for model 9 at epoch 33
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.266749143600464 seconds
Loss: 0.6513
Train Accuracy: 76.77%
Test Accuracy: 74.47%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 33 Summary:
=====
Time: 304.84s (Avg member: 30.48s)
Population Mean Accuracy: 73.99%
Best Member Accuracy: 75.52%
Mean Batch Size: 256
Mean Learning Rate: 4.02e-04
Mean Weight Decay: 0.092

=====
Epoch 34/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.5919568538665771 seconds
```

LR changed during epoch: 1.58e-04 -> 1.56e-04
total runtime to train this model was 26.19330859184265 seconds
Hyperparameteres for model 0 at epoch 34
lr: 0.0001748780992323349

weight_decay: 0.09123562550886055

drop_path: 0.11041150312481661

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2782132625579834 seconds
Loss: 0.7416
Train Accuracy: 73.91%
Test Accuracy: 72.27%
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 1.7985620498657227 seconds
LR changed during epoch: 1.80e-04 -> 1.78e-04
total runtime to train this model was 26.297667264938354 seconds
Hyperparameteres for model 1 at epoch 34
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4666669368743896 seconds
Loss: 0.7122
Train Accuracy: 74.73%
Test Accuracy: 73.64%
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 1.735316276550293 seconds
LR changed during epoch: 2.90e-04 -> 3.86e-04
total runtime to train this model was 26.9714298248291 seconds
Hyperparameteres for model 2 at epoch 34
lr: 0.00048208195497570125

weight_decay: 0.02

drop_path: 0.10832107329434562

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.39107084274292 seconds
Loss: 0.7046

Train Accuracy: 75.06%
Test Accuracy: 72.17%
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 1.609405279159546 seconds
LR changed during epoch: 1.92e-04 -> 1.85e-04
total runtime to train this model was 26.30822443962097 seconds
Hyperparameteres for model 3 at epoch 34
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3442211151123047 seconds
Loss: 0.6901
Train Accuracy: 75.46%
Test Accuracy: 73.89%
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 1.6085679531097412 seconds
LR changed during epoch: 2.11e-04 -> 2.10e-04
total runtime to train this model was 26.3064181804657 seconds
Hyperparameteres for model 4 at epoch 34
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.332911729812622 seconds
Loss: 0.6009
Train Accuracy: 78.63%
Test Accuracy: 75.39%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6353611946105957 seconds
LR changed during epoch: 4.53e-04 -> 4.35e-04
total runtime to train this model was 26.335824251174927 seconds
Hyperparameteres for model 5 at epoch 34
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3411343097686768 seconds
Loss: 0.6314
Train Accuracy: 77.59%
Test Accuracy: 73.89%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7659616470336914 seconds
LR changed during epoch: 1.49e-04 -> 1.99e-04
total runtime to train this model was 25.25131845474243 seconds
Hyperparameteres for model 6 at epoch 34
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.158200263977051 seconds
Loss: 0.6310
Train Accuracy: 77.83%
Test Accuracy: 75.25%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.6908960342407227 seconds
LR changed during epoch: 1.98e-04 -> 1.90e-04
total runtime to train this model was 26.279387712478638 seconds
Hyperparameteres for model 7 at epoch 34
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.457435131072998 seconds
Loss: 0.6529
Train Accuracy: 76.85%
Test Accuracy: 74.23%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6216919422149658 seconds
LR changed during epoch: 2.47e-04 -> 2.37e-04
total runtime to train this model was 26.3612802028656 seconds

Hyperparameteres for model 8 at epoch 34

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3199520111083984 seconds

Loss: 0.6198

Train Accuracy: 77.97%

Test Accuracy: 74.35%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.6098177433013916 seconds

LR changed during epoch: 5.62e-04 -> 5.40e-04

total runtime to train this model was 26.358113050460815 seconds

Hyperparameteres for model 9 at epoch 34

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2760396003723145 seconds

Loss: 0.6345

Train Accuracy: 77.57%

Test Accuracy: 74.62%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 34 Summary:

=====

Time: 307.23s (Avg member: 30.72s)

Population Mean Accuracy: 73.97%

Best Member Accuracy: 75.39%

Mean Batch Size: 256

Mean Learning Rate: 4.02e-04

Mean Weight Decay: 0.092

=====

Epoch 35/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6040263175964355 seconds

LR changed during epoch: 1.56e-04 -> 1.53e-04

total runtime to train this model was 26.314507007598877 seconds

Hyperparameteres for model 0 at epoch 35

lr: 0.0001748780992323349

weight_decay: 0.09123562550886055
drop_path: 0.11041150312481661
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4046618938446045 seconds
Loss: 0.7313
Train Accuracy: 73.98%
Test Accuracy: 72.47%
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 1.776043176651001 seconds
LR changed during epoch: 1.78e-04 -> 1.76e-04
total runtime to train this model was 25.941688299179077 seconds
Hyperparameteres for model 1 at epoch 35
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175
drop_path: 0.08997055427760975
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4467568397521973 seconds
Loss: 0.7002
Train Accuracy: 74.95%
Test Accuracy: 73.88%
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 1.5828831195831299 seconds
LR changed during epoch: 3.86e-04 -> 4.82e-04
total runtime to train this model was 26.83013105392456 seconds
Hyperparameteres for model 2 at epoch 35
lr: 0.00048208195497570125

weight_decay: 0.02
drop_path: 0.10832107329434562
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4406933784484863 seconds
Loss: 0.7313
Train Accuracy: 74.10%
Test Accuracy: 72.55%
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 1.6106653213500977 seconds
LR changed during epoch: 1.85e-04 -> 1.77e-04
total runtime to train this model was 27.218933582305908 seconds
Hyperparameteres for model 3 at epoch 35
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3146064281463623 seconds
Loss: 0.6700
Train Accuracy: 76.20%
Test Accuracy: 74.49%
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 1.625243902206421 seconds
LR changed during epoch: 2.10e-04 -> 2.09e-04
total runtime to train this model was 26.924985885620117 seconds
Hyperparameteres for model 4 at epoch 35
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2858216762542725 seconds
Loss: 0.5909
Train Accuracy: 78.96%
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

--- Training Member 5 (Batch size: 256) ---
built data in 1.6953563690185547 seconds
LR changed during epoch: 4.35e-04 -> 4.18e-04
total runtime to train this model was 26.016162633895874 seconds
Hyperparameteres for model 5 at epoch 35
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.969090700149536 seconds
Loss: 0.6089
Train Accuracy: 78.34%
Test Accuracy: 73.92%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6092417240142822 seconds
LR changed during epoch: 1.99e-04 -> 2.48e-04
total runtime to train this model was 27.03307032585144 seconds
Hyperparameteres for model 6 at epoch 35
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6599650382995605 seconds
Loss: 0.6479
Train Accuracy: 77.08%
Test Accuracy: 74.30%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.6264939308166504 seconds
LR changed during epoch: 1.90e-04 -> 1.83e-04
total runtime to train this model was 26.53850531578064 seconds
Hyperparameteres for model 7 at epoch 35
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.301664352416992 seconds
Loss: 0.6388
Train Accuracy: 77.30%
Test Accuracy: 74.18%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6481125354766846 seconds
LR changed during epoch: 2.37e-04 -> 2.27e-04
total runtime to train this model was 26.26121473312378 seconds
Hyperparameteres for model 8 at epoch 35
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3061957359313965 seconds
Loss: 0.6076
Train Accuracy: 78.26%
Test Accuracy: 74.89%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7601306438446045 seconds
LR changed during epoch: 5.40e-04 -> 5.18e-04
total runtime to train this model was 25.371942281723022 seconds
Hyperparameteres for model 9 at epoch 35
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1951539516448975 seconds
Loss: 0.6186
Train Accuracy: 78.14%
Test Accuracy: 75.12%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [75.46, 75.12]
Bottom performers: [72.55, 72.47]
Member 2 copied from 4
Member 2: lr changed from 0.00048208195497570125 to 0.0006416266985189736
Member 2: weight_decay changed from 0.02 to 0.03425893255288509
Member 2: drop_path changed from 0.10832107329434562 to 0.10776706732841208
Member 2 copied from 4
 LR=6.42e-04, WD=0.034, DropPath=0.108, Warmup=5 epochs, Batch=256
Member 0 copied from 9
Member 0: lr changed from 0.0001748780992323349 to 0.0001473299877196094
Member 0: weight_decay changed from 0.09123562550886055 to 0.10468957236440761
Member 0: drop_path changed from 0.11041150312481661 to 0.08481086385192901
Member 0 copied from 9
 LR=1.47e-04, WD=0.105, DropPath=0.085, Warmup=5 epochs, Batch=256

=====
Epoch 35 Summary:
=====

Time: 311.09s (Avg member: 31.10s)
Population Mean Accuracy: 74.13%
Best Member Accuracy: 75.46%

Mean Batch Size: 256
Mean Learning Rate: 4.15e-04
Mean Weight Decay: 0.095

=====
Epoch 36/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.70406174659729 seconds
LR changed during epoch: 1.50e-07 -> 2.96e-05
total runtime to train this model was 25.97332239151001 seconds
Hyperparameteres for model 0 at epoch 36
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5865559577941895 seconds
Loss: 0.5433
Train Accuracy: 80.73%
Test Accuracy: 76.67%
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 1.6438400745391846 seconds
LR changed during epoch: 1.76e-04 -> 1.74e-04
total runtime to train this model was 26.287352800369263 seconds
Hyperparameteres for model 1 at epoch 36
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3143386840820312 seconds
Loss: 0.6919
Train Accuracy: 75.65%
Test Accuracy: 73.65%
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 1.6482162475585938 seconds
LR changed during epoch: 6.55e-07 -> 1.29e-04
total runtime to train this model was 26.31974172592163 seconds
Hyperparameteres for model 2 at epoch 36
lr: 0.0006416266985189736

weight_decay: 0.03425893255288509

drop_path: 0.10776706732841208
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4164044857025146 seconds
Loss: 0.5455
Train Accuracy: 80.44%
Test Accuracy: 76.30%
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 1.7007567882537842 seconds
LR changed during epoch: 1.77e-04 -> 1.70e-04
total runtime to train this model was 27.129401445388794 seconds
Hyperparameteres for model 3 at epoch 36
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.732866048812866 seconds
Loss: 0.6558
Train Accuracy: 76.77%
Test Accuracy: 74.30%
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 1.9040236473083496 seconds
LR changed during epoch: 2.09e-04 -> 2.07e-04
total runtime to train this model was 28.005151748657227 seconds
Hyperparameteres for model 4 at epoch 36
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7881953716278076 seconds
Loss: 0.5765
Train Accuracy: 79.46%
Test Accuracy: 75.06%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---

built data in 1.6740784645080566 seconds
LR changed during epoch: 4.18e-04 -> 4.00e-04
total runtime to train this model was 28.26136803627014 seconds
Hyperparameteres for model 5 at epoch 36
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.506399393081665 seconds
Loss: 0.5979
Train Accuracy: 78.68%
Test Accuracy: 75.09%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6898815631866455 seconds
LR changed during epoch: 2.48e-04 -> 2.48e-04
total runtime to train this model was 28.047402143478394 seconds
Hyperparameteres for model 6 at epoch 36
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.679455280303955 seconds
Loss: 0.6516
Train Accuracy: 76.62%
Test Accuracy: 74.65%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.8368067741394043 seconds
LR changed during epoch: 1.83e-04 -> 1.75e-04
total runtime to train this model was 28.117075443267822 seconds
Hyperparameteres for model 7 at epoch 36
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6635172367095947 seconds

Loss: 0.6262
Train Accuracy: 77.57%
Test Accuracy: 74.50%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6960372924804688 seconds
LR changed during epoch: 2.27e-04 -> 2.18e-04
total runtime to train this model was 28.22648549079895 seconds
Hyperparameters for model 8 at epoch 36
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4569878578186035 seconds
Loss: 0.5868
Train Accuracy: 79.21%
Test Accuracy: 75.52%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6820740699768066 seconds
LR changed during epoch: 5.18e-04 -> 4.95e-04
total runtime to train this model was 27.881819486618042 seconds
Hyperparameters for model 9 at epoch 36
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3993852138519287 seconds
Loss: 0.5974
Train Accuracy: 78.61%
Test Accuracy: 75.21%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 36 Summary:

=====

Time: 319.51s (Avg member: 31.95s)
Population Mean Accuracy: 75.09%
Best Member Accuracy: 76.67%
Mean Batch Size: 256
Mean Learning Rate: 4.15e-04
Mean Weight Decay: 0.095

```
=====
Epoch 37/70
=====
```

```
--- Training Member 0 (Batch size: 256) ---
built data in 1.9700970649719238 seconds
LR changed during epoch: 2.96e-05 -> 5.91e-05
total runtime to train this model was 29.25861406326294 seconds
Hyperparameteres for model 0 at epoch 37
lr: 0.0001473299877196094
```

```
weight_decay: 0.10468957236440761
```

```
drop_path: 0.08481086385192901
```

```
warmup_epochs: 5
```

```
batch_size: 256
```

```
_____ end of hyperparam printing _____
evaluation in 3.015909194946289 seconds
```

```
Loss: 0.5087
Train Accuracy: 81.98%
Test Accuracy: 77.08%
```

```
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 1.7772817611694336 seconds
LR changed during epoch: 1.74e-04 -> 1.72e-04
total runtime to train this model was 29.38408064842224 seconds
Hyperparameteres for model 1 at epoch 37
lr: 0.00018691972888019236
```

```
weight_decay: 0.12453015108727175
```

```
drop_path: 0.08997055427760975
```

```
warmup_epochs: 5
```

```
batch_size: 256
```

```
_____ end of hyperparam printing _____
evaluation in 2.447056531906128 seconds
```

```
Loss: 0.6724
Train Accuracy: 76.22%
Test Accuracy: 72.91%
```

```
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 1.7422690391540527 seconds
LR changed during epoch: 1.29e-04 -> 2.57e-04
total runtime to train this model was 28.606274127960205 seconds
Hyperparameteres for model 2 at epoch 37
lr: 0.0006416266985189736
```

```
weight_decay: 0.03425893255288509
```

```
drop_path: 0.10776706732841208
```

```
warmup_epochs: 5
```

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.293978452682495 seconds

Loss: 0.5633

Train Accuracy: 79.90%

Test Accuracy: 75.17%

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 1.8223292827606201 seconds

LR changed during epoch: 1.70e-04 -> 1.62e-04

total runtime to train this model was 28.678368091583252 seconds

Hyperparameteres for model 3 at epoch 37

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.439664125442505 seconds

Loss: 0.6420

Train Accuracy: 77.30%

Test Accuracy: 73.39%

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 1.7425587177276611 seconds

LR changed during epoch: 2.07e-04 -> 2.06e-04

total runtime to train this model was 28.775014638900757 seconds

Hyperparameteres for model 4 at epoch 37

lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5980031490325928 seconds

Loss: 0.5687

Train Accuracy: 79.94%

Test Accuracy: 76.25%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.8552038669586182 seconds

LR changed during epoch: 4.00e-04 -> 3.82e-04

total runtime to train this model was 30.740375995635986 seconds

Hyperparameteres for model 5 at epoch 37

lr: 0.000744617784354611

weight_decay: 0.1077555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.345235824584961 seconds

Loss: 0.5697

Train Accuracy: 79.86%

Test Accuracy: 75.43%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.7333564758300781 seconds

LR changed during epoch: 2.48e-04 -> 2.47e-04

total runtime to train this model was 30.0255069732666 seconds

Hyperparameteres for model 6 at epoch 37

lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.681575059890747 seconds

Loss: 0.6466

Train Accuracy: 76.92%

Test Accuracy: 74.85%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.719508171081543 seconds

LR changed during epoch: 1.75e-04 -> 1.67e-04

total runtime to train this model was 31.104758739471436 seconds

Hyperparameteres for model 7 at epoch 37

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.072263956069946 seconds

Loss: 0.6039

Train Accuracy: 78.54%

Test Accuracy: 75.79%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.762211799621582 seconds

LR changed during epoch: 2.18e-04 -> 2.08e-04

total runtime to train this model was 31.329789400100708 seconds

Hyperparameteres for model 8 at epoch 37

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.6417200565338135 seconds

Loss: 0.5715

Train Accuracy: 79.98%

Test Accuracy: 75.24%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.7762529850006104 seconds

LR changed during epoch: 4.95e-04 -> 4.73e-04

total runtime to train this model was 35.97402477264404 seconds

Hyperparameteres for model 9 at epoch 37

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.1076626777648926 seconds

Loss: 0.5805

Train Accuracy: 79.42%

Test Accuracy: 76.04%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 37 Summary:

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Time: 354.23s (Avg member: 35.42s)

Population Mean Accuracy: 75.22%

Best Member Accuracy: 77.08%

Mean Batch Size: 256

Mean Learning Rate: 4.15e-04

Mean Weight Decay: 0.095

=====

Epoch 38/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.9531950950622559 seconds
LR changed during epoch: 5.91e-05 -> 8.85e-05
total runtime to train this model was 35.63282346725464 seconds
Hyperparameteres for model 0 at epoch 38
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.02205228805542 seconds
Loss: 0.4908
Train Accuracy: 82.73%
Test Accuracy: 77.38%
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 1.909682035446167 seconds
LR changed during epoch: 1.72e-04 -> 1.69e-04
total runtime to train this model was 33.7475368976593 seconds
Hyperparameteres for model 1 at epoch 38
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4465246200561523 seconds
Loss: 0.6668
Train Accuracy: 76.22%
Test Accuracy: 73.83%
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 1.823981523513794 seconds
LR changed during epoch: 2.57e-04 -> 3.86e-04
total runtime to train this model was 31.193430423736572 seconds
Hyperparameteres for model 2 at epoch 38
lr: 0.0006416266985189736

weight_decay: 0.03425893255288509

drop_path: 0.10776706732841208

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.883699417114258 seconds
Loss: 0.5859
Train Accuracy: 79.35%
Test Accuracy: 74.81%
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 1.9261753559112549 seconds
LR changed during epoch: 1.62e-04 -> 1.54e-04
total runtime to train this model was 33.24925494194031 seconds
Hyperparameteres for model 3 at epoch 38
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.9593212604522705 seconds
Loss: 0.6324
Train Accuracy: 77.58%
Test Accuracy: 75.01%
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 2.115603446960449 seconds
LR changed during epoch: 2.06e-04 -> 2.04e-04
total runtime to train this model was 33.7820999622345 seconds
Hyperparameteres for model 4 at epoch 38
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7524616718292236 seconds
Loss: 0.5621
Train Accuracy: 79.96%
Test Accuracy: 76.17%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 2.0172910690307617 seconds
LR changed during epoch: 3.82e-04 -> 3.64e-04
total runtime to train this model was 34.118358850479126 seconds
Hyperparameteres for model 5 at epoch 38
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.256115198135376 seconds
Loss: 0.5629
Train Accuracy: 79.85%
Test Accuracy: 75.57%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6565871238708496 seconds
LR changed during epoch: 2.47e-04 -> 2.47e-04
total runtime to train this model was 31.923259496688843 seconds
Hyperparameteres for model 6 at epoch 38
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9596126079559326 seconds
Loss: 0.6361
Train Accuracy: 77.39%
Test Accuracy: 75.02%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 2.232379913330078 seconds
LR changed during epoch: 1.67e-04 -> 1.59e-04
total runtime to train this model was 37.03075170516968 seconds
Hyperparameteres for model 7 at epoch 38
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9170191287994385 seconds
Loss: 0.5899
Train Accuracy: 79.23%
Test Accuracy: 75.28%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 2.1240358352661133 seconds

LR changed during epoch: 2.08e-04 -> 1.98e-04
total runtime to train this model was 33.03322887420654 seconds
Hyperparameteres for model 8 at epoch 38
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5299832820892334 seconds

Loss: 0.5560
Train Accuracy: 80.08%
Test Accuracy: 75.84%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.7504267692565918 seconds
LR changed during epoch: 4.73e-04 -> 4.51e-04
total runtime to train this model was 29.606255054473877 seconds
Hyperparameteres for model 9 at epoch 38
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.64062762260437 seconds

Loss: 0.5564
Train Accuracy: 80.44%
Test Accuracy: 75.88%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 38 Summary:

=====

Time: 385.15s (Avg member: 38.51s)
Population Mean Accuracy: 75.48%
Best Member Accuracy: 77.38%
Mean Batch Size: 256
Mean Learning Rate: 4.15e-04
Mean Weight Decay: 0.095

=====

Epoch 39/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.8632676601409912 seconds
LR changed during epoch: 8.85e-05 -> 1.18e-04
total runtime to train this model was 29.73241925239563 seconds

Hyperparameteres for model 0 at epoch 39

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.893406629562378 seconds

Loss: 0.4818

Train Accuracy: 82.93%

Test Accuracy: 77.34%

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 1.732924222946167 seconds

LR changed during epoch: 1.69e-04 -> 1.66e-04

total runtime to train this model was 29.91174054145813 seconds

Hyperparameteres for model 1 at epoch 39

lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.966661214828491 seconds

Loss: 0.6594

Train Accuracy: 76.60%

Test Accuracy: 73.80%

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 2.068972110748291 seconds

LR changed during epoch: 3.86e-04 -> 5.14e-04

total runtime to train this model was 37.53963279724121 seconds

Hyperparameteres for model 2 at epoch 39

lr: 0.0006416266985189736

weight_decay: 0.03425893255288509

drop_path: 0.10776706732841208

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.87764048576355 seconds

Loss: 0.6220

Train Accuracy: 78.01%

Test Accuracy: 73.88%

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 1.9133732318878174 seconds
LR changed during epoch: 1.54e-04 -> 1.47e-04
total runtime to train this model was 35.96712517738342 seconds
Hyperparameteres for model 3 at epoch 39
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.6959738731384277 seconds
Loss: 0.6194
Train Accuracy: 78.01%
Test Accuracy: 75.27%
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 1.9597322940826416 seconds
LR changed during epoch: 2.04e-04 -> 2.02e-04
total runtime to train this model was 31.45707607269287 seconds
Hyperparameteres for model 4 at epoch 39
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5682809352874756 seconds
Loss: 0.5525
Train Accuracy: 80.25%
Test Accuracy: 76.07%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 2.0003771781921387 seconds
LR changed during epoch: 3.64e-04 -> 3.46e-04
total runtime to train this model was 36.83113718032837 seconds
Hyperparameteres for model 5 at epoch 39
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9291112422943115 seconds

Loss: 0.5417

Train Accuracy: 80.96%

Test Accuracy: 75.65%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.9738318920135498 seconds

LR changed during epoch: 2.47e-04 -> 2.46e-04

total runtime to train this model was 36.96880125999451 seconds

Hyperparameteres for model 6 at epoch 39

lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0072715282440186 seconds

Loss: 0.6264

Train Accuracy: 77.94%

Test Accuracy: 75.39%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.9856953620910645 seconds

LR changed during epoch: 1.59e-04 -> 1.51e-04

total runtime to train this model was 33.38613271713257 seconds

Hyperparameteres for model 7 at epoch 39

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.654378652572632 seconds

Loss: 0.5795

Train Accuracy: 79.48%

Test Accuracy: 74.98%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.819899320602417 seconds

LR changed during epoch: 1.98e-04 -> 1.88e-04

total runtime to train this model was 29.215988636016846 seconds

Hyperparameteres for model 8 at epoch 39

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.526662826538086 seconds

Loss: 0.5416

Train Accuracy: 80.78%

Test Accuracy: 76.23%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.7339255809783936 seconds

LR changed during epoch: 4.51e-04 -> 4.29e-04

total runtime to train this model was 35.97737407684326 seconds

Hyperparameteres for model 9 at epoch 39

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.045520782470703 seconds

Loss: 0.5427

Train Accuracy: 80.60%

Test Accuracy: 75.59%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 39 Summary:

=====

Time: 391.25s (Avg member: 39.12s)

Population Mean Accuracy: 75.42%

Best Member Accuracy: 77.34%

Mean Batch Size: 256

Mean Learning Rate: 4.15e-04

Mean Weight Decay: 0.095

=====

Epoch 40/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.9711027145385742 seconds

LR changed during epoch: 1.18e-04 -> 1.47e-04

total runtime to train this model was 34.026089668273926 seconds

Hyperparameteres for model 0 at epoch 40

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

```
drop_path: 0.08481086385192901
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1277084350585938 seconds
Loss: 0.4813
Train Accuracy: 82.95%
Test Accuracy: 77.43%
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 2.161264657974243 seconds
LR changed during epoch: 1.66e-04 -> 1.64e-04
total runtime to train this model was 30.685271501541138 seconds
Hyperparameteres for model 1 at epoch 40
lr: 0.00018691972888019236

weight_decay: 0.12453015108727175

drop_path: 0.08997055427760975
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5115933418273926 seconds
Loss: 0.6420
Train Accuracy: 77.21%
Test Accuracy: 74.20%
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 1.701218605041504 seconds
LR changed during epoch: 5.14e-04 -> 6.42e-04
total runtime to train this model was 28.65518045425415 seconds
Hyperparameteres for model 2 at epoch 40
lr: 0.0006416266985189736

weight_decay: 0.03425893255288509

drop_path: 0.10776706732841208
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.673593044281006 seconds
Loss: 0.6494
Train Accuracy: 76.83%
Test Accuracy: 73.72%
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 1.8982017040252686 seconds
LR changed during epoch: 1.47e-04 -> 1.39e-04
total runtime to train this model was 33.240846157073975 seconds
Hyperparameteres for model 3 at epoch 40
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.014190912246704 seconds
Loss: 0.6018
Train Accuracy: 78.78%
Test Accuracy: 75.42%
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 1.9413213729858398 seconds
LR changed during epoch: 2.02e-04 -> 2.00e-04
total runtime to train this model was 36.073763370513916 seconds
Hyperparameteres for model 4 at epoch 40
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.021981477737427 seconds
Loss: 0.5378
Train Accuracy: 81.04%
Test Accuracy: 76.08%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.945042610168457 seconds
LR changed during epoch: 3.46e-04 -> 3.28e-04
total runtime to train this model was 34.86016774177551 seconds
Hyperparameteres for model 5 at epoch 40
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5029542446136475 seconds

Loss: 0.5212
Train Accuracy: 81.55%
Test Accuracy: 76.01%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 2.3204689025878906 seconds
LR changed during epoch: 2.46e-04 -> 2.44e-04
total runtime to train this model was 27.967833757400513 seconds
Hyperparameteres for model 6 at epoch 40
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6258034706115723 seconds
Loss: 0.6095
Train Accuracy: 78.25%
Test Accuracy: 74.84%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.67964506149292 seconds
LR changed during epoch: 1.51e-04 -> 1.44e-04
total runtime to train this model was 30.13191318511963 seconds
Hyperparameteres for model 7 at epoch 40
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.932561159133911 seconds
Loss: 0.5626
Train Accuracy: 79.90%
Test Accuracy: 75.44%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 2.0626087188720703 seconds
LR changed during epoch: 1.88e-04 -> 1.79e-04
total runtime to train this model was 36.259045124053955 seconds
Hyperparameteres for model 8 at epoch 40
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.804370164871216 seconds
Loss: 0.5221
Train Accuracy: 81.47%
Test Accuracy: 76.14%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.9199175834655762 seconds
LR changed during epoch: 4.29e-04 -> 4.06e-04
total runtime to train this model was 37.08274698257446 seconds
Hyperparameteres for model 9 at epoch 40
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.108388900756836 seconds
Loss: 0.5271
Train Accuracy: 81.21%
Test Accuracy: 76.45%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [77.43, 76.45]
Bottom performers: [74.2, 73.72]
Member 1 copied from 9
Member 1: lr changed from 0.00018691972888019236 to 0.00020825860127866028
Member 1: weight_decay changed from 0.12453015108727175 to 0.14435176934465097
Member 1: drop_path changed from 0.08997055427760975 to 0.11530012633260366
Member 1 copied from 9
LR=2.08e-04, WD=0.144, DropPath=0.115, Warmup=5 epochs, Batch=256
Member 2 copied from 9
Member 2: lr changed from 0.0006416266985189736 to 0.0004514090064834762
Member 2: weight_decay changed from 0.03425893255288509 to 0.02900150734400117
Member 2: drop_path changed from 0.10776706732841208 to 0.10056012977531988
Member 2 copied from 9
LR=4.51e-04, WD=0.029, DropPath=0.101, Warmup=5 epochs, Batch=256

=====
Epoch 40 Summary:
=====

Time: 381.96s (Avg member: 38.19s)
Population Mean Accuracy: 75.57%
Best Member Accuracy: 77.43%
Mean Batch Size: 256
Mean Learning Rate: 3.98e-04

Mean Weight Decay: 0.097

=====

Epoch 41/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.9916775226593018 seconds

LR changed during epoch: 1.47e-04 -> 1.47e-04

total runtime to train this model was 34.51782178878784 seconds

Hyperparameteres for model 0 at epoch 41

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.696051597595215 seconds

Loss: 0.4712

Train Accuracy: 83.18%

Test Accuracy: 77.02%

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 1.7321836948394775 seconds

LR changed during epoch: 2.13e-07 -> 4.19e-05

total runtime to train this model was 32.94731378555298 seconds

Hyperparameteres for model 1 at epoch 41

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.7445640563964844 seconds

Loss: 0.4541

Train Accuracy: 83.83%

Test Accuracy: 77.65%

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 1.9358224868774414 seconds

LR changed during epoch: 4.61e-07 -> 9.07e-05

total runtime to train this model was 36.84858417510986 seconds

Hyperparameteres for model 2 at epoch 41

lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.850908041000366 seconds
Loss: 0.4452
Train Accuracy: 84.10%
Test Accuracy: 77.90%
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 1.9989278316497803 seconds
LR changed during epoch: 1.39e-04 -> 1.32e-04
total runtime to train this model was 36.771658420562744 seconds
Hyperparameteres for model 3 at epoch 41
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257
drop_path: 0.08252985466930329

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.930053472518921 seconds
Loss: 0.5902
Train Accuracy: 79.01%
Test Accuracy: 75.86%
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 1.7525088787078857 seconds
LR changed during epoch: 2.00e-04 -> 1.97e-04
total runtime to train this model was 27.93312382698059 seconds
Hyperparameteres for model 4 at epoch 41
lr: 0.00021168779715883952

weight_decay: 0.15
drop_path: 0.0731723787759781

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.522934913635254 seconds
Loss: 0.5316
Train Accuracy: 81.10%
Test Accuracy: 75.72%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6899735927581787 seconds
LR changed during epoch: 3.28e-04 -> 3.10e-04

total runtime to train this model was 28.43128728866577 seconds

Hyperparameteres for model 5 at epoch 41

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.3116931915283203 seconds

Loss: 0.5081

Train Accuracy: 81.95%

Test Accuracy: 76.65%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.9121029376983643 seconds

LR changed during epoch: 2.44e-04 -> 2.43e-04

total runtime to train this model was 29.061038494110107 seconds

Hyperparameteres for model 6 at epoch 41

lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.6144654750823975 seconds

Loss: 0.6016

Train Accuracy: 78.67%

Test Accuracy: 75.72%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.6902482509613037 seconds

LR changed during epoch: 1.44e-04 -> 1.36e-04

total runtime to train this model was 34.3084511756897 seconds

Hyperparameteres for model 7 at epoch 41

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 4.5855629444122314 seconds

Loss: 0.5485

Train Accuracy: 80.54%

Test Accuracy: 76.48%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.9877221584320068 seconds
LR changed during epoch: 1.79e-04 -> 1.69e-04
total runtime to train this model was 35.56071496009827 seconds
Hyperparameteres for model 8 at epoch 41
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.7458767890930176 seconds
Loss: 0.5102
Train Accuracy: 82.01%
Test Accuracy: 75.88%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 2.175950765609741 seconds
LR changed during epoch: 4.06e-04 -> 3.84e-04
total runtime to train this model was 35.58560085296631 seconds
Hyperparameteres for model 9 at epoch 41
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4017996788024902 seconds
Loss: 0.5072
Train Accuracy: 82.15%
Test Accuracy: 76.74%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 41 Summary:

=====

Time: 385.13s (Avg member: 38.51s)
Population Mean Accuracy: 76.56%
Best Member Accuracy: 77.90%
Mean Batch Size: 256
Mean Learning Rate: 3.98e-04
Mean Weight Decay: 0.097

=====

Epoch 42/70

```
=====
--- Training Member 0 (Batch size: 256) ---
built data in 1.715646505355835 seconds
LR changed during epoch: 1.47e-04 -> 1.47e-04
total runtime to train this model was 27.958174228668213 seconds
Hyperparameteres for model 0 at epoch 42
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.617168426513672 seconds
Loss: 0.4615
Train Accuracy: 83.74%
Test Accuracy: 77.63%
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 1.7520575523376465 seconds
LR changed during epoch: 4.19e-05 -> 8.35e-05
total runtime to train this model was 29.404311656951904 seconds
Hyperparameteres for model 1 at epoch 42
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6009600162506104 seconds
Loss: 0.4303
Train Accuracy: 84.79%
Test Accuracy: 77.86%
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 1.77952241897583 seconds
LR changed during epoch: 9.07e-05 -> 1.81e-04
total runtime to train this model was 29.488999366760254 seconds
Hyperparameteres for model 2 at epoch 42
lr: 0.0004514090064834762

weight_decay: 0.02900150734400117
drop_path: 0.10056012977531988
warmup_epochs: 5
batch_size: 256
```

_____ end of hyperparam printing _____
evaluation in 2.81610107421875 seconds
Loss: 0.4268
Train Accuracy: 84.83%
Test Accuracy: 78.04%
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 1.957657814025879 seconds
LR changed during epoch: 1.32e-04 -> 1.24e-04
total runtime to train this model was 34.03947114944458 seconds
Hyperparameteres for model 3 at epoch 42
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.915184736251831 seconds
Loss: 0.5763
Train Accuracy: 79.64%
Test Accuracy: 75.68%
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 1.8551363945007324 seconds
LR changed during epoch: 1.97e-04 -> 1.94e-04
total runtime to train this model was 37.042099475860596 seconds
Hyperparameteres for model 4 at epoch 42
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.976789951324463 seconds
Loss: 0.5206
Train Accuracy: 81.48%
Test Accuracy: 76.05%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.955592393875122 seconds
LR changed during epoch: 3.10e-04 -> 2.92e-04
total runtime to train this model was 35.915852069854736 seconds
Hyperparameteres for model 5 at epoch 42
lr: 0.000744617784354611

weight_decay: 0.1077555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.457870006561279 seconds

Loss: 0.4908

Train Accuracy: 82.38%

Test Accuracy: 75.94%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.9230561256408691 seconds

LR changed during epoch: 2.43e-04 -> 2.41e-04

total runtime to train this model was 28.763384103775024 seconds

Hyperparameteres for model 6 at epoch 42

lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.500951051712036 seconds

Loss: 0.5979

Train Accuracy: 78.83%

Test Accuracy: 75.91%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.718672513961792 seconds

LR changed during epoch: 1.36e-04 -> 1.28e-04

total runtime to train this model was 33.18128490447998 seconds

Hyperparameteres for model 7 at epoch 42

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.306600093841553 seconds

Loss: 0.5262

Train Accuracy: 81.37%

Test Accuracy: 76.50%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 2.0106935501098633 seconds
LR changed during epoch: 1.69e-04 -> 1.59e-04
total runtime to train this model was 36.44541931152344 seconds
Hyperparameteres for model 8 at epoch 42
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.796365737915039 seconds
Loss: 0.4901
Train Accuracy: 82.71%
Test Accuracy: 75.90%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 2.026378870010376 seconds
LR changed during epoch: 3.84e-04 -> 3.63e-04
total runtime to train this model was 30.77290678024292 seconds
Hyperparameteres for model 9 at epoch 42
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6449921131134033 seconds
Loss: 0.4906
Train Accuracy: 82.45%
Test Accuracy: 76.70%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 42 Summary:

=====

Time: 378.46s (Avg member: 37.85s)
Population Mean Accuracy: 76.62%
Best Member Accuracy: 78.04%
Mean Batch Size: 256
Mean Learning Rate: 3.98e-04
Mean Weight Decay: 0.097

=====

Epoch 43/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.7055232524871826 seconds

LR changed during epoch: 1.47e-04 -> 1.47e-04
total runtime to train this model was 31.152997970581055 seconds
Hyperparameteres for model 0 at epoch 43
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.190069198608398 seconds
Loss: 0.4572
Train Accuracy: 83.85%
Test Accuracy: 77.74%
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 1.939044713973999 seconds
LR changed during epoch: 8.35e-05 -> 1.25e-04
total runtime to train this model was 35.26636600494385 seconds
Hyperparameteres for model 1 at epoch 43
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.3670971393585205 seconds
Loss: 0.4211
Train Accuracy: 84.99%
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 2.0233170986175537 seconds
LR changed during epoch: 1.81e-04 -> 2.71e-04
total runtime to train this model was 35.58138298988342 seconds
Hyperparameteres for model 2 at epoch 43
lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.303380012512207 seconds
Loss: 0.4287

Train Accuracy: 84.77%
Test Accuracy: 77.51%
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 2.2786176204681396 seconds
LR changed during epoch: 1.24e-04 -> 1.17e-04
total runtime to train this model was 30.779544591903687 seconds
Hyperparameteres for model 3 at epoch 43
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5617048740386963 seconds
Loss: 0.5623
Train Accuracy: 79.97%
Test Accuracy: 76.52%
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 1.7567355632781982 seconds
LR changed during epoch: 1.94e-04 -> 1.92e-04
total runtime to train this model was 35.07257795333862 seconds
Hyperparameteres for model 4 at epoch 43
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.255659103393555 seconds
Loss: 0.5142
Train Accuracy: 81.76%
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

--- Training Member 5 (Batch size: 256) ---
built data in 2.0031354427337646 seconds
LR changed during epoch: 2.92e-04 -> 2.75e-04
total runtime to train this model was 34.47390007972717 seconds
Hyperparameteres for model 5 at epoch 43
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9657373428344727 seconds
Loss: 0.4702
Train Accuracy: 83.30%
Test Accuracy: 76.67%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 2.1277687549591064 seconds
LR changed during epoch: 2.41e-04 -> 2.39e-04
total runtime to train this model was 28.57841968536377 seconds
Hyperparameteres for model 6 at epoch 43
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.617994546890259 seconds
Loss: 0.5812
Train Accuracy: 79.37%
Test Accuracy: 75.35%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.9184074401855469 seconds
LR changed during epoch: 1.28e-04 -> 1.21e-04
total runtime to train this model was 35.49266338348389 seconds
Hyperparameteres for model 7 at epoch 43
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.354294538497925 seconds
Loss: 0.5178
Train Accuracy: 81.60%
Test Accuracy: 76.02%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.991586446762085 seconds
LR changed during epoch: 1.59e-04 -> 1.50e-04
total runtime to train this model was 35.093071937561035 seconds

Hyperparameteres for model 8 at epoch 43

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.0181310176849365 seconds

Loss: 0.4726

Train Accuracy: 83.28%

Test Accuracy: 76.47%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 2.2186694145202637 seconds

LR changed during epoch: 3.63e-04 -> 3.41e-04

total runtime to train this model was 31.155526876449585 seconds

Hyperparameteres for model 9 at epoch 43

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.685628890991211 seconds

Loss: 0.4719

Train Accuracy: 83.24%

Test Accuracy: 76.96%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 43 Summary:

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Time: 391.32s (Avg member: 39.13s)

Population Mean Accuracy: 76.80%

Best Member Accuracy: 78.18%

Mean Batch Size: 256

Mean Learning Rate: 3.98e-04

Mean Weight Decay: 0.097

=====

Epoch 44/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6343142986297607 seconds

LR changed during epoch: 1.47e-04 -> 1.46e-04

total runtime to train this model was 28.248159646987915 seconds

Hyperparameteres for model 0 at epoch 44

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.491271495819092 seconds
Loss: 0.4454
Train Accuracy: 84.15%
Test Accuracy: 77.66%
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 1.6738841533660889 seconds
LR changed during epoch: 1.25e-04 -> 1.67e-04
total runtime to train this model was 36.29477858543396 seconds
Hyperparameteres for model 1 at epoch 44
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.826838254928589 seconds
Loss: 0.4175
Train Accuracy: 85.00%
Test Accuracy: 78.06%
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 2.0157506465911865 seconds
LR changed during epoch: 2.71e-04 -> 3.62e-04
total runtime to train this model was 35.970458030700684 seconds
Hyperparameteres for model 2 at epoch 44
lr: 0.0004514090064834762

weight_decay: 0.02900150734400117
drop_path: 0.10056012977531988
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.9771108627319336 seconds
Loss: 0.4514
Train Accuracy: 83.84%
Test Accuracy: 76.56%
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 1.995537281036377 seconds
LR changed during epoch: 1.17e-04 -> 1.10e-04
total runtime to train this model was 35.06329822540283 seconds
Hyperparameteres for model 3 at epoch 44
lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.7621781826019287 seconds
Loss: 0.5462
Train Accuracy: 80.60%
Test Accuracy: 76.61%
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 2.1502950191497803 seconds
LR changed during epoch: 1.92e-04 -> 1.88e-04
total runtime to train this model was 30.706175565719604 seconds
Hyperparameteres for model 4 at epoch 44
lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.731956720352173 seconds
Loss: 0.5083
Train Accuracy: 82.10%
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

--- Training Member 5 (Batch size: 256) ---
built data in 1.9028348922729492 seconds
LR changed during epoch: 2.75e-04 -> 2.58e-04
total runtime to train this model was 36.27024698257446 seconds
Hyperparameteres for model 5 at epoch 44
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.230224609375 seconds
Loss: 0.4484
Train Accuracy: 83.96%
Test Accuracy: 77.16%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.8488855361938477 seconds
LR changed during epoch: 2.39e-04 -> 2.36e-04
total runtime to train this model was 34.92979836463928 seconds
Hyperparameteres for model 6 at epoch 44
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.647123575210571 seconds
Loss: 0.5677
Train Accuracy: 79.88%
Test Accuracy: 75.93%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.9219839572906494 seconds
LR changed during epoch: 1.21e-04 -> 1.13e-04
total runtime to train this model was 33.75469350814819 seconds
Hyperparameteres for model 7 at epoch 44
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.513030767440796 seconds
Loss: 0.5044
Train Accuracy: 82.12%
Test Accuracy: 76.41%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.8979384899139404 seconds
LR changed during epoch: 1.50e-04 -> 1.41e-04
total runtime to train this model was 29.19179058074951 seconds
Hyperparameteres for model 8 at epoch 44
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

```
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0430822372436523 seconds
Loss: 0.4564
Train Accuracy: 83.77%
Test Accuracy: 76.69%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7019898891448975 seconds
LR changed during epoch: 3.41e-04 -> 3.20e-04
total runtime to train this model was 28.808186769485474 seconds
Hyperparameteres for model 9 at epoch 44
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.974693536758423 seconds
Loss: 0.4548
Train Accuracy: 83.78%
Test Accuracy: 76.89%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 44 Summary:
=====
Time: 383.22s (Avg member: 38.32s)
Population Mean Accuracy: 76.81%
Best Member Accuracy: 78.06%
Mean Batch Size: 256
Mean Learning Rate: 3.98e-04
Mean Weight Decay: 0.097

=====
Epoch 45/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.9814949035644531 seconds
LR changed during epoch: 1.46e-04 -> 1.45e-04
total runtime to train this model was 37.86309218406677 seconds
Hyperparameteres for model 0 at epoch 45
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901
```

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9518234729766846 seconds
Loss: 0.4422
Train Accuracy: 84.24%
Test Accuracy: 78.10%
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 2.007840156555176 seconds
LR changed during epoch: 1.67e-04 -> 2.08e-04
total runtime to train this model was 37.33557176589966 seconds
Hyperparameteres for model 1 at epoch 45
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9686832427978516 seconds
Loss: 0.4204
Train Accuracy: 84.97%
Test Accuracy: 77.67%
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 1.9227418899536133 seconds
LR changed during epoch: 3.62e-04 -> 4.51e-04
total runtime to train this model was 30.87003493309021 seconds
Hyperparameteres for model 2 at epoch 45
lr: 0.0004514090064834762

weight_decay: 0.02900150734400117
drop_path: 0.10056012977531988

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.538968801498413 seconds
Loss: 0.4608
Train Accuracy: 83.63%
Test Accuracy: 76.51%
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 1.7813770771026611 seconds
LR changed during epoch: 1.10e-04 -> 1.02e-04

total runtime to train this model was 29.569732666015625 seconds

Hyperparameteres for model 3 at epoch 45

lr: 0.0003155456675032866

weight_decay: 0.10835600837460257

drop_path: 0.08252985466930329

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.181567668914795 seconds

Loss: 0.5390

Train Accuracy: 80.94%

Test Accuracy: 76.29%

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 2.0180656909942627 seconds

LR changed during epoch: 1.88e-04 -> 1.85e-04

total runtime to train this model was 35.40652871131897 seconds

Hyperparameteres for model 4 at epoch 45

lr: 0.00021168779715883952

weight_decay: 0.15

drop_path: 0.0731723787759781

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 4.644382476806641 seconds

Loss: 0.4944

Train Accuracy: 82.33%

Test Accuracy: 76.24%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.94047212600708 seconds

LR changed during epoch: 2.58e-04 -> 2.41e-04

total runtime to train this model was 35.472134590148926 seconds

Hyperparameteres for model 5 at epoch 45

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.62125301361084 seconds

Loss: 0.4396

Train Accuracy: 84.25%

Test Accuracy: 76.84%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 2.183734893798828 seconds
LR changed during epoch: 2.36e-04 -> 2.34e-04
total runtime to train this model was 32.6788489818573 seconds
Hyperparameteres for model 6 at epoch 45
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4823338985443115 seconds
Loss: 0.5604
Train Accuracy: 80.06%
Test Accuracy: 76.40%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.692080020904541 seconds
LR changed during epoch: 1.13e-04 -> 1.06e-04
total runtime to train this model was 28.982643842697144 seconds
Hyperparameteres for model 7 at epoch 45
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.284600257873535 seconds
Loss: 0.4938
Train Accuracy: 82.47%
Test Accuracy: 76.86%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.9242613315582275 seconds
LR changed during epoch: 1.41e-04 -> 1.31e-04
total runtime to train this model was 30.182952642440796 seconds
Hyperparameteres for model 8 at epoch 45
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9738547801971436 seconds
Loss: 0.4441
Train Accuracy: 84.07%
Test Accuracy: 76.62%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.9870598316192627 seconds
LR changed during epoch: 3.20e-04 -> 2.99e-04
total runtime to train this model was 38.413021087646484 seconds
Hyperparameteres for model 9 at epoch 45
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8597846031188965 seconds
Loss: 0.4409
Train Accuracy: 84.35%
Test Accuracy: 77.87%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [78.1, 77.87]
Bottom performers: [76.29, 76.24]
Member 3 copied from 9
Member 3: lr changed from 0.0003155456675032866 to 0.00041961520940316655
Member 3: weight_decay changed from 0.10835600837460257 to 0.1147896639332157
Member 3: drop_path changed from 0.08252985466930329 to 0.0578017107062974
Member 3 copied from 9
LR=4.20e-04, WD=0.115, DropPath=0.058, Warmup=5 epochs, Batch=256
Member 4 copied from 9
Member 4: lr changed from 0.00021168779715883952 to 0.0001476547437756025
Member 4: drop_path changed from 0.0731723787759781 to 0.08962183727544686
Member 4 copied from 9
LR=1.48e-04, WD=0.150, DropPath=0.090, Warmup=5 epochs, Batch=256

=====
Epoch 45 Summary:
=====

Time: 391.14s (Avg member: 39.11s)
Population Mean Accuracy: 76.94%
Best Member Accuracy: 78.10%
Mean Batch Size: 256
Mean Learning Rate: 4.02e-04
Mean Weight Decay: 0.097

=====

Epoch 46/70

--- Training Member 0 (Batch size: 256) ---

built data in 1.9520795345306396 seconds

LR changed during epoch: 1.45e-04 -> 1.44e-04

total runtime to train this model was 35.42359113693237 seconds

Hyperparameteres for model 0 at epoch 46

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.792952537536621 seconds

Loss: 0.4284

Train Accuracy: 84.71%

Test Accuracy: 77.83%

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 1.6936817169189453 seconds

LR changed during epoch: 2.08e-04 -> 2.08e-04

total runtime to train this model was 32.88919687271118 seconds

Hyperparameteres for model 1 at epoch 46

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.0354056358337402 seconds

Loss: 0.4203

Train Accuracy: 85.10%

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 2.1502037048339844 seconds

LR changed during epoch: 4.51e-04 -> 4.51e-04

total runtime to train this model was 36.72287654876709 seconds

Hyperparameteres for model 2 at epoch 46

lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8753697872161865 seconds

Loss: 0.4730

Train Accuracy: 82.95%

Test Accuracy: 76.78%

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 1.8824350833892822 seconds

LR changed during epoch: 4.28e-07 -> 8.44e-05

total runtime to train this model was 31.67358160018921 seconds

Hyperparameteres for model 3 at epoch 46

lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.407257556915283 seconds

Loss: 0.3624

Train Accuracy: 87.11%

Test Accuracy: 78.47%

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 1.7534639835357666 seconds

LR changed during epoch: 1.51e-07 -> 2.97e-05

total runtime to train this model was 30.41219735145569 seconds

Hyperparameteres for model 4 at epoch 46

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.920351505279541 seconds

Loss: 0.3766

Train Accuracy: 86.66%

Test Accuracy: 78.36%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.9244365692138672 seconds

LR changed during epoch: 2.41e-04 -> 2.24e-04

total runtime to train this model was 37.39239478111267 seconds

Hyperparameteres for model 5 at epoch 46

lr: 0.000744617784354611

weight_decay: 0.1077555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.880343198776245 seconds
Loss: 0.4183
Train Accuracy: 85.07%
Test Accuracy: 77.56%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.9521324634552002 seconds
LR changed during epoch: 2.34e-04 -> 2.31e-04
total runtime to train this model was 35.219231605529785 seconds
Hyperparameteres for model 6 at epoch 46
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.6918976306915283 seconds
Loss: 0.5560
Train Accuracy: 80.12%
Test Accuracy: 75.77%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.654015064239502 seconds
LR changed during epoch: 1.06e-04 -> 9.84e-05
total runtime to train this model was 32.263211488723755 seconds
Hyperparameteres for model 7 at epoch 46
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9124081134796143 seconds
Loss: 0.4729
Train Accuracy: 83.17%
Test Accuracy: 76.87%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

```
--- Training Member 8 (Batch size: 256) ---
built data in 2.105135202407837 seconds
LR changed during epoch: 1.31e-04 -> 1.22e-04
total runtime to train this model was 35.76089406013489 seconds
Hyperparameteres for model 8 at epoch 46
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.832914113998413 seconds
Loss: 0.4318
Train Accuracy: 84.62%
Test Accuracy: 76.60%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt
```

```
--- Training Member 9 (Batch size: 256) ---
built data in 1.9271173477172852 seconds
LR changed during epoch: 2.99e-04 -> 2.78e-04
total runtime to train this model was 34.41282558441162 seconds
Hyperparameteres for model 9 at epoch 46
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.884521722793579 seconds
Loss: 0.4149
Train Accuracy: 85.23%
Test Accuracy: 77.63%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt
```

```
=====
Epoch 46 Summary:
=====
```

```
Time: 395.39s (Avg member: 39.54s)
Population Mean Accuracy: 77.38%
Best Member Accuracy: 78.47%
Mean Batch Size: 256
Mean Learning Rate: 4.02e-04
Mean Weight Decay: 0.097
```

```
=====
Epoch 47/70
=====
```

```
--- Training Member 0 (Batch size: 256) ---
```

built data in 1.6487374305725098 seconds
LR changed during epoch: 1.44e-04 -> 1.43e-04
total runtime to train this model was 26.729443311691284 seconds
Hyperparameteres for model 0 at epoch 47
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.432337760925293 seconds
Loss: 0.4177
Train Accuracy: 84.93%
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 1.6591613292694092 seconds
LR changed during epoch: 2.08e-04 -> 2.08e-04
total runtime to train this model was 28.48097586631775 seconds
Hyperparameteres for model 1 at epoch 47
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.558189868927002 seconds
Loss: 0.4133
Train Accuracy: 85.13%
Test Accuracy: 77.18%
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 1.7597684860229492 seconds
LR changed during epoch: 4.51e-04 -> 4.50e-04
total runtime to train this model was 35.3940589427948 seconds
Hyperparameteres for model 2 at epoch 47
lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.854212760925293 seconds

Loss: 0.4673
Train Accuracy: 83.42%
Test Accuracy: 76.25%
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 1.8981351852416992 seconds
LR changed during epoch: 8.44e-05 -> 1.68e-04
total runtime to train this model was 37.4647376537323 seconds
Hyperparameteres for model 3 at epoch 47
lr: 0.00041961520940316655

weight_decay: 0.1147896639332157
drop_path: 0.0578017107062974
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0488297939300537 seconds
Loss: 0.3536
Train Accuracy: 87.39%
Test Accuracy: 78.28%
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 1.9437458515167236 seconds
LR changed during epoch: 2.97e-05 -> 5.92e-05
total runtime to train this model was 34.73798418045044 seconds
Hyperparameteres for model 4 at epoch 47
lr: 0.0001476547437756025

weight_decay: 0.15
drop_path: 0.08962183727544686
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.330368757247925 seconds
Loss: 0.3512
Train Accuracy: 87.56%
Test Accuracy: 78.55%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6881790161132812 seconds
LR changed during epoch: 2.24e-04 -> 2.08e-04
total runtime to train this model was 30.118603944778442 seconds
Hyperparameteres for model 5 at epoch 47
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8097331523895264 seconds
Loss: 0.4001
Train Accuracy: 85.82%
Test Accuracy: 77.80%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.8106915950775146 seconds
LR changed during epoch: 2.31e-04 -> 2.28e-04
total runtime to train this model was 37.27904748916626 seconds
Hyperparameteres for model 6 at epoch 47
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913
drop_path: 0.11110801110230163

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.882030725479126 seconds
Loss: 0.5415
Train Accuracy: 80.78%
Test Accuracy: 76.06%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.9334216117858887 seconds
LR changed during epoch: 9.84e-05 -> 9.13e-05
total runtime to train this model was 35.43453884124756 seconds
Hyperparameteres for model 7 at epoch 47
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.068363666534424 seconds
Loss: 0.4620
Train Accuracy: 83.42%
Test Accuracy: 77.47%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.872445821762085 seconds
LR changed during epoch: 1.22e-04 -> 1.13e-04

total runtime to train this model was 31.853585720062256 seconds

Hyperparameteres for model 8 at epoch 47

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9245853424072266 seconds

Loss: 0.4124

Train Accuracy: 85.16%

Test Accuracy: 77.51%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 2.132443428039551 seconds

LR changed during epoch: 2.78e-04 -> 2.58e-04

total runtime to train this model was 35.75103807449341 seconds

Hyperparameteres for model 9 at epoch 47

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.829984426498413 seconds

Loss: 0.3959

Train Accuracy: 85.92%

Test Accuracy: 77.59%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 47 Summary:

=====

Time: 385.36s (Avg member: 38.54s)

Population Mean Accuracy: 77.40%

Best Member Accuracy: 78.55%

Mean Batch Size: 256

Mean Learning Rate: 4.02e-04

Mean Weight Decay: 0.097

=====

Epoch 48/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.9400873184204102 seconds

LR changed during epoch: 1.43e-04 -> 1.42e-04

total runtime to train this model was 36.669283390045166 seconds

Hyperparameteres for model 0 at epoch 48

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.837418794631958 seconds

Loss: 0.4157

Train Accuracy: 85.07%

Test Accuracy: 77.62%

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 1.9449033737182617 seconds

LR changed during epoch: 2.08e-04 -> 2.07e-04

total runtime to train this model was 30.842531204223633 seconds

Hyperparameteres for model 1 at epoch 48

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5577142238616943 seconds

Loss: 0.3991

Train Accuracy: 85.86%

Test Accuracy: 77.74%

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 1.861586093902588 seconds

LR changed during epoch: 4.50e-04 -> 4.49e-04

total runtime to train this model was 29.41289710998535 seconds

Hyperparameteres for model 2 at epoch 48

lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0144708156585693 seconds

Loss: 0.4576

Train Accuracy: 83.74%

Test Accuracy: 76.37%

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 1.7238354682922363 seconds

LR changed during epoch: 1.68e-04 -> 2.52e-04

total runtime to train this model was 31.449066162109375 seconds

Hyperparameteres for model 3 at epoch 48

lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.7778098583221436 seconds

Loss: 0.3664

Train Accuracy: 86.89%

Test Accuracy: 76.98%

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 2.041119337081909 seconds

LR changed during epoch: 5.92e-05 -> 8.87e-05

total runtime to train this model was 36.31114220619202 seconds

Hyperparameteres for model 4 at epoch 48

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9953887462615967 seconds

Loss: 0.3409

Train Accuracy: 87.88%

Test Accuracy: 78.47%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.9686894416809082 seconds

LR changed during epoch: 2.08e-04 -> 1.92e-04

total runtime to train this model was 36.4195020198822 seconds

Hyperparameteres for model 5 at epoch 48

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.78348708152771 seconds
Loss: 0.3862
Train Accuracy: 86.20%
Test Accuracy: 77.52%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7385492324829102 seconds
LR changed during epoch: 2.28e-04 -> 2.24e-04
total runtime to train this model was 34.27112531661987 seconds
Hyperparameteres for model 6 at epoch 48
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.484098196029663 seconds
Loss: 0.5276
Train Accuracy: 81.20%
Test Accuracy: 76.51%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7588412761688232 seconds
LR changed during epoch: 9.13e-05 -> 8.44e-05
total runtime to train this model was 29.26758050918579 seconds
Hyperparameteres for model 7 at epoch 48
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5245072841644287 seconds
Loss: 0.4455
Train Accuracy: 84.12%
Test Accuracy: 76.74%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.7946689128875732 seconds
LR changed during epoch: 1.13e-04 -> 1.05e-04
total runtime to train this model was 29.090982913970947 seconds
Hyperparameteres for model 8 at epoch 48
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.50911283493042 seconds

Loss: 0.3975

Train Accuracy: 85.88%

Test Accuracy: 77.38%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 2.0469493865966797 seconds

LR changed during epoch: 2.58e-04 -> 2.38e-04

total runtime to train this model was 32.233267307281494 seconds

Hyperparameteres for model 9 at epoch 48

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.909088134765625 seconds

Loss: 0.3861

Train Accuracy: 86.27%

Test Accuracy: 77.85%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 48 Summary:

=====

Time: 376.23s (Avg member: 37.62s)

Population Mean Accuracy: 77.32%

Best Member Accuracy: 78.47%

Mean Batch Size: 256

Mean Learning Rate: 4.02e-04

Mean Weight Decay: 0.097

=====

Epoch 49/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.9514439105987549 seconds

LR changed during epoch: 1.42e-04 -> 1.41e-04

total runtime to train this model was 35.7937490940094 seconds

Hyperparameteres for model 0 at epoch 49

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.9400100708007812 seconds

Loss: 0.4102

Train Accuracy: 85.27%

Test Accuracy: 77.71%

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 1.9144287109375 seconds

LR changed during epoch: 2.07e-04 -> 2.06e-04

total runtime to train this model was 35.14850330352783 seconds

Hyperparameteres for model 1 at epoch 49

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.826866865158081 seconds

Loss: 0.3977

Train Accuracy: 85.77%

Test Accuracy: 77.24%

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 2.3268728256225586 seconds

LR changed during epoch: 4.49e-04 -> 4.47e-04

total runtime to train this model was 31.75539541244507 seconds

Hyperparameteres for model 2 at epoch 49

lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8655734062194824 seconds

Loss: 0.4482

Train Accuracy: 84.03%

Test Accuracy: 75.81%

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 1.8850476741790771 seconds

LR changed during epoch: 2.52e-04 -> 3.36e-04
total runtime to train this model was 36.82785892486572 seconds
Hyperparameteres for model 3 at epoch 49
lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8466455936431885 seconds
Loss: 0.3871
Train Accuracy: 86.15%
Test Accuracy: 77.08%
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 1.9122681617736816 seconds
LR changed during epoch: 8.87e-05 -> 1.18e-04
total runtime to train this model was 34.03580164909363 seconds
Hyperparameteres for model 4 at epoch 49
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.26043701171875 seconds
Loss: 0.3430
Train Accuracy: 87.82%
Test Accuracy: 78.11%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 2.022550582885742 seconds
LR changed during epoch: 1.92e-04 -> 1.77e-04
total runtime to train this model was 29.831527709960938 seconds
Hyperparameteres for model 5 at epoch 49
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.629957437515259 seconds
Loss: 0.3662

Train Accuracy: 87.01%
Test Accuracy: 77.81%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 2.090873956680298 seconds
LR changed during epoch: 2.24e-04 -> 2.21e-04
total runtime to train this model was 36.88956642150879 seconds
Hyperparameteres for model 6 at epoch 49
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9197826385498047 seconds
Loss: 0.5259
Train Accuracy: 81.37%
Test Accuracy: 76.34%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.8035216331481934 seconds
LR changed during epoch: 8.44e-05 -> 7.76e-05
total runtime to train this model was 36.6815710067749 seconds
Hyperparameteres for model 7 at epoch 49
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.544339418411255 seconds
Loss: 0.4359
Train Accuracy: 84.39%
Test Accuracy: 77.48%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.9211559295654297 seconds
LR changed during epoch: 1.05e-04 -> 9.64e-05
total runtime to train this model was 34.827107667922974 seconds
Hyperparameteres for model 8 at epoch 49
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5986623764038086 seconds
Loss: 0.3820
Train Accuracy: 86.31%
Test Accuracy: 77.09%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7955188751220703 seconds
LR changed during epoch: 2.38e-04 -> 2.19e-04
total runtime to train this model was 30.28131675720215 seconds
Hyperparameteres for model 9 at epoch 49
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5986855030059814 seconds
Loss: 0.3700
Train Accuracy: 86.79%
Test Accuracy: 77.98%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 49 Summary:
=====

Time: 397.86s (Avg member: 39.79s)
Population Mean Accuracy: 77.27%
Best Member Accuracy: 78.11%
Mean Batch Size: 256
Mean Learning Rate: 4.02e-04
Mean Weight Decay: 0.097

=====
Epoch 50/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.792849063873291 seconds
LR changed during epoch: 1.41e-04 -> 1.39e-04
total runtime to train this model was 29.878637075424194 seconds
Hyperparameteres for model 0 at epoch 50
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5019874572753906 seconds

Loss: 0.3986

Train Accuracy: 85.85%

Test Accuracy: 77.92%

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 1.855954647064209 seconds

LR changed during epoch: 2.06e-04 -> 2.05e-04

total runtime to train this model was 30.136525630950928 seconds

Hyperparameteres for model 1 at epoch 50

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.804856538772583 seconds

Loss: 0.3879

Train Accuracy: 86.08%

Test Accuracy: 77.48%

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 1.8067162036895752 seconds

LR changed during epoch: 4.47e-04 -> 4.45e-04

total runtime to train this model was 34.309237480163574 seconds

Hyperparameteres for model 2 at epoch 50

lr: 0.0004514090064834762

weight_decay: 0.02900150734400117

drop_path: 0.10056012977531988

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.452847242355347 seconds

Loss: 0.4354

Train Accuracy: 84.27%

Test Accuracy: 76.80%

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 2.071549654006958 seconds

LR changed during epoch: 3.36e-04 -> 4.20e-04

total runtime to train this model was 35.996291399002075 seconds

Hyperparameteres for model 3 at epoch 50

lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4871153831481934 seconds

Loss: 0.4052

Train Accuracy: 85.52%

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 2.178349733352661 seconds

LR changed during epoch: 1.18e-04 -> 1.48e-04

total runtime to train this model was 35.33845067024231 seconds

Hyperparameteres for model 4 at epoch 50

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9138503074645996 seconds

Loss: 0.3435

Train Accuracy: 87.74%

Test Accuracy: 78.16%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.9543726444244385 seconds

LR changed during epoch: 1.77e-04 -> 1.62e-04

total runtime to train this model was 28.965532541275024 seconds

Hyperparameteres for model 5 at epoch 50

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5196774005889893 seconds

Loss: 0.3517

Train Accuracy: 87.67%

Test Accuracy: 77.75%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.688875436782837 seconds
LR changed during epoch: 2.21e-04 -> 2.17e-04
total runtime to train this model was 29.092798471450806 seconds
Hyperparameteres for model 6 at epoch 50
lr: 0.0002479019915385039

weight_decay: 0.12387433223138913

drop_path: 0.11110801110230163

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.503848075866699 seconds
Loss: 0.5102
Train Accuracy: 81.84%
Test Accuracy: 76.31%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7155075073242188 seconds
LR changed during epoch: 7.76e-05 -> 7.10e-05
total runtime to train this model was 35.23547959327698 seconds
Hyperparameteres for model 7 at epoch 50
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.8535995483398438 seconds
Loss: 0.4215
Train Accuracy: 85.11%
Test Accuracy: 77.21%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 2.004704236984253 seconds
LR changed during epoch: 9.64e-05 -> 8.82e-05
total runtime to train this model was 34.603116035461426 seconds
Hyperparameteres for model 8 at epoch 50
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.8215348720550537 seconds
Loss: 0.3660
Train Accuracy: 86.92%
Test Accuracy: 77.74%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 2.0760934352874756 seconds
LR changed during epoch: 2.19e-04 -> 2.00e-04
total runtime to train this model was 31.969545125961304 seconds
Hyperparameteres for model 9 at epoch 50
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3068246841430664 seconds
Loss: 0.3515
Train Accuracy: 87.49%
Test Accuracy: 77.86%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [78.16, 77.92]
Bottom performers: [76.8, 76.31]
Member 2 copied from 4
Member 2: lr changed from 0.0004514090064834762 to 0.0003159055659488499
Member 2: weight_decay changed from 0.02900150734400117 to 0.032053548638415724
Member 2: drop_path changed from 0.10056012977531988 to 0.09093088217573617
Member 2 copied from 4
 LR=3.16e-04, WD=0.032, DropPath=0.091, Warmup=5 epochs, Batch=256
Member 6 copied from 0
Member 6: lr changed from 0.0002479019915385039 to 0.0002520486299258281
Member 6: weight_decay changed from 0.12387433223138913 to 0.14260339646372344
Member 6: drop_path changed from 0.11110801110230163 to 0.08718985345732716
Member 6 copied from 0
 LR=2.52e-04, WD=0.143, DropPath=0.087, Warmup=5 epochs, Batch=256

=====
Epoch 50 Summary:
=====

Time: 379.97s (Avg member: 37.99s)
Population Mean Accuracy: 77.43%
Best Member Accuracy: 78.16%
Mean Batch Size: 256
Mean Learning Rate: 3.89e-04
Mean Weight Decay: 0.099

=====
Epoch 51/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.647672414779663 seconds
LR changed during epoch: 1.39e-04 -> 1.37e-04
total runtime to train this model was 27.320752382278442 seconds
Hyperparameteres for model 0 at epoch 51
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.485360622406006 seconds
Loss: 0.3953
Train Accuracy: 85.84%
Test Accuracy: 77.98%
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 1.8629517555236816 seconds
LR changed during epoch: 2.05e-04 -> 2.04e-04
total runtime to train this model was 28.43599820137024 seconds
Hyperparameteres for model 1 at epoch 51
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.8255515098571777 seconds
Loss: 0.3834
Train Accuracy: 86.41%
Test Accuracy: 77.74%
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 1.929220199584961 seconds
LR changed during epoch: 3.22e-07 -> 6.35e-05
total runtime to train this model was 35.30017590522766 seconds
Hyperparameteres for model 2 at epoch 51
lr: 0.0003159055659488499

weight_decay: 0.032053548638415724
drop_path: 0.09093088217573617
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.093971490859985 seconds
Loss: 0.3114
Train Accuracy: 88.99%
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 1.9462518692016602 seconds
LR changed during epoch: 4.20e-04 -> 4.19e-04
total runtime to train this model was 35.35357975959778 seconds
Hyperparameteres for model 3 at epoch 51
lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.880248546600342 seconds
Loss: 0.4249
Train Accuracy: 84.75%
Test Accuracy: 77.39%
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 2.2581512928009033 seconds
LR changed during epoch: 1.48e-04 -> 1.48e-04
total runtime to train this model was 31.66373872756958 seconds
Hyperparameteres for model 4 at epoch 51
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.642896890640259 seconds
Loss: 0.3424
Train Accuracy: 87.77%
Test Accuracy: 77.65%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.881850242614746 seconds
LR changed during epoch: 1.62e-04 -> 1.47e-04
total runtime to train this model was 37.37024807929993 seconds
Hyperparameteres for model 5 at epoch 51
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.4407923221588135 seconds
Loss: 0.3372
Train Accuracy: 87.98%
Test Accuracy: 77.74%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.8951740264892578 seconds
LR changed during epoch: 2.57e-07 -> 5.07e-05
total runtime to train this model was 35.61212372779846 seconds
Hyperparameteres for model 6 at epoch 51
lr: 0.0002520486299258281

weight_decay: 0.14260339646372344

drop_path: 0.08718985345732716
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.171619892120361 seconds
Loss: 0.3574
Train Accuracy: 87.30%
Test Accuracy: 78.00%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 2.051327705383301 seconds
LR changed during epoch: 7.10e-05 -> 6.47e-05
total runtime to train this model was 31.210907697677612 seconds
Hyperparameteres for model 7 at epoch 51
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5484235286712646 seconds
Loss: 0.4140
Train Accuracy: 85.21%
Test Accuracy: 77.83%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.7696478366851807 seconds
LR changed during epoch: 8.82e-05 -> 8.03e-05
total runtime to train this model was 35.9870970249176 seconds
Hyperparameteres for model 8 at epoch 51
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0643701553344727 seconds
Loss: 0.3504
Train Accuracy: 87.51%
Test Accuracy: 77.77%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 2.00028395652771 seconds
LR changed during epoch: 2.00e-04 -> 1.82e-04
total runtime to train this model was 36.21895480155945 seconds
Hyperparameteres for model 9 at epoch 51
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 4.007224082946777 seconds
Loss: 0.3386
Train Accuracy: 87.94%
Test Accuracy: 77.82%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 51 Summary:
=====

Time: 391.20s (Avg member: 39.12s)
Population Mean Accuracy: 77.84%
Best Member Accuracy: 78.49%
Mean Batch Size: 256
Mean Learning Rate: 3.89e-04
Mean Weight Decay: 0.099

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

--- Training Member 0 (Batch size: 256) ---
built data in 1.8601326942443848 seconds
LR changed during epoch: 1.37e-04 -> 1.35e-04

total runtime to train this model was 32.83911347389221 seconds

Hyperparameteres for model 0 at epoch 52

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9982194900512695 seconds

Loss: 0.3873

Train Accuracy: 86.07%

Test Accuracy: 77.92%

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 2.1353299617767334 seconds

LR changed during epoch: 2.04e-04 -> 2.02e-04

total runtime to train this model was 36.46608233451843 seconds

Hyperparameteres for model 1 at epoch 52

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.029928207397461 seconds

Loss: 0.3778

Train Accuracy: 86.53%

Test Accuracy: 77.41%

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 1.9207983016967773 seconds

LR changed during epoch: 6.35e-05 -> 1.27e-04

total runtime to train this model was 29.23774003982544 seconds

Hyperparameteres for model 2 at epoch 52

lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.8251354694366455 seconds

Loss: 0.3136

Train Accuracy: 88.96%

Test Accuracy: 78.14%
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 1.7019214630126953 seconds
LR changed during epoch: 4.19e-04 -> 4.19e-04
total runtime to train this model was 35.21032977104187 seconds
Hyperparameteres for model 3 at epoch 52
lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9999306201934814 seconds
Loss: 0.4190
Train Accuracy: 85.05%
Test Accuracy: 76.51%
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 2.2714316844940186 seconds
LR changed during epoch: 1.48e-04 -> 1.47e-04
total runtime to train this model was 36.33258938789368 seconds
Hyperparameteres for model 4 at epoch 52
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8102941513061523 seconds
Loss: 0.3324
Train Accuracy: 88.18%
Test Accuracy: 78.31%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.9748694896697998 seconds
LR changed during epoch: 1.47e-04 -> 1.33e-04
total runtime to train this model was 28.439162015914917 seconds
Hyperparameteres for model 5 at epoch 52
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.622837781906128 seconds

Loss: 0.3207

Train Accuracy: 88.62%

Test Accuracy: 78.10%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.877915382385254 seconds

LR changed during epoch: 5.07e-05 -> 1.01e-04

total runtime to train this model was 25.566799640655518 seconds

Hyperparameteres for model 6 at epoch 52

lr: 0.0002520486299258281

weight_decay: 0.14260339646372344

drop_path: 0.08718985345732716

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2517001628875732 seconds

Loss: 0.3559

Train Accuracy: 87.43%

Test Accuracy: 78.24%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.6288068294525146 seconds

LR changed during epoch: 6.47e-05 -> 5.86e-05

total runtime to train this model was 25.712183713912964 seconds

Hyperparameteres for model 7 at epoch 52

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2835662364959717 seconds

Loss: 0.4026

Train Accuracy: 85.68%

Test Accuracy: 77.84%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.6553459167480469 seconds

LR changed during epoch: 8.03e-05 -> 7.27e-05

total runtime to train this model was 25.70403218269348 seconds

Hyperparameteres for model 8 at epoch 52

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.311741352081299 seconds

Loss: 0.3402

Train Accuracy: 87.87%

Test Accuracy: 77.86%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.6031062602996826 seconds

LR changed during epoch: 1.82e-04 -> 1.65e-04

total runtime to train this model was 25.47672724723816 seconds

Hyperparameteres for model 9 at epoch 52

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3459665775299072 seconds

Loss: 0.3199

Train Accuracy: 88.62%

Test Accuracy: 77.71%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 52 Summary:

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Time: 350.87s (Avg member: 35.09s)

Population Mean Accuracy: 77.80%

Best Member Accuracy: 78.31%

Mean Batch Size: 256

Mean Learning Rate: 3.89e-04

Mean Weight Decay: 0.099

=====

Epoch 53/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6642935276031494 seconds

LR changed during epoch: 1.35e-04 -> 1.33e-04

total runtime to train this model was 25.53461480140686 seconds

Hyperparameteres for model 0 at epoch 53

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2537217140197754 seconds

Loss: 0.3808

Train Accuracy: 86.48%

Test Accuracy: 77.83%

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 1.823523759841919 seconds

LR changed during epoch: 2.02e-04 -> 2.01e-04

total runtime to train this model was 25.04060697555542 seconds

Hyperparameteres for model 1 at epoch 53

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9657413959503174 seconds

Loss: 0.3623

Train Accuracy: 87.03%

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 1.7571663856506348 seconds

LR changed during epoch: 1.27e-04 -> 1.90e-04

total runtime to train this model was 24.849213123321533 seconds

Hyperparameteres for model 2 at epoch 53

lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.9287962913513184 seconds

Loss: 0.3224

Train Accuracy: 88.46%

Test Accuracy: 77.98%

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 1.6005878448486328 seconds
LR changed during epoch: 4.19e-04 -> 4.17e-04
total runtime to train this model was 25.001805782318115 seconds
Hyperparameteres for model 3 at epoch 53
lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.185962200164795 seconds
Loss: 0.4101
Train Accuracy: 85.12%
Test Accuracy: 77.11%
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 1.586411952972412 seconds
LR changed during epoch: 1.47e-04 -> 1.47e-04
total runtime to train this model was 25.360068559646606 seconds
Hyperparameteres for model 4 at epoch 53
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.219585418701172 seconds
Loss: 0.3284
Train Accuracy: 88.24%
Test Accuracy: 77.97%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6376216411590576 seconds
LR changed during epoch: 1.33e-04 -> 1.20e-04
total runtime to train this model was 24.875478506088257 seconds
Hyperparameteres for model 5 at epoch 53
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.254229784011841 seconds
Loss: 0.3033
Train Accuracy: 89.15%
Test Accuracy: 77.63%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.623887538909912 seconds
LR changed during epoch: 1.01e-04 -> 1.51e-04
total runtime to train this model was 25.143707990646362 seconds
Hyperparameteres for model 6 at epoch 53
lr: 0.0002520486299258281

weight_decay: 0.14260339646372344

drop_path: 0.08718985345732716

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.254819393157959 seconds
Loss: 0.3667
Train Accuracy: 86.99%
Test Accuracy: 77.96%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5906939506530762 seconds
LR changed during epoch: 5.86e-05 -> 5.27e-05
total runtime to train this model was 25.077356338500977 seconds
Hyperparameteres for model 7 at epoch 53
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2315990924835205 seconds
Loss: 0.3872
Train Accuracy: 86.14%
Test Accuracy: 78.06%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.632199764251709 seconds
LR changed during epoch: 7.27e-05 -> 6.54e-05
total runtime to train this model was 24.818207263946533 seconds
Hyperparameteres for model 8 at epoch 53
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4940757751464844 seconds
Loss: 0.3286
Train Accuracy: 88.29%
Test Accuracy: 77.88%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.8142106533050537 seconds
LR changed during epoch: 1.65e-04 -> 1.48e-04
total runtime to train this model was 24.35468578338623 seconds
Hyperparameteres for model 9 at epoch 53
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.338334560394287 seconds
Loss: 0.3047
Train Accuracy: 89.16%
Test Accuracy: 78.26%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 53 Summary:
=====

Time: 294.44s (Avg member: 29.44s)
Population Mean Accuracy: 77.89%
Best Member Accuracy: 78.26%
Mean Batch Size: 256
Mean Learning Rate: 3.89e-04
Mean Weight Decay: 0.099

=====
Epoch 54/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6220703125 seconds
LR changed during epoch: 1.33e-04 -> 1.31e-04
total runtime to train this model was 24.916258096694946 seconds
Hyperparameteres for model 0 at epoch 54
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8123064041137695 seconds
Loss: 0.3722
Train Accuracy: 86.80%
Test Accuracy: 78.22%
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 1.5718348026275635 seconds
LR changed during epoch: 2.01e-04 -> 1.99e-04
total runtime to train this model was 25.26712131500244 seconds
Hyperparameteres for model 1 at epoch 54
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2760984897613525 seconds
Loss: 0.3634
Train Accuracy: 87.03%
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 1.601301670074463 seconds
LR changed during epoch: 1.90e-04 -> 2.53e-04
total runtime to train this model was 25.133365154266357 seconds
Hyperparameteres for model 2 at epoch 54
lr: 0.0003159055659488499

weight_decay: 0.032053548638415724
drop_path: 0.09093088217573617

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.195533037185669 seconds
Loss: 0.3430
Train Accuracy: 87.83%
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 1.6024675369262695 seconds
LR changed during epoch: 4.17e-04 -> 4.16e-04
total runtime to train this model was 25.118380546569824 seconds

Hyperparameteres for model 3 at epoch 54

lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.194073438644409 seconds

Loss: 0.4030

Train Accuracy: 85.69%

Test Accuracy: 76.72%

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 1.6090364456176758 seconds

LR changed during epoch: 1.47e-04 -> 1.46e-04

total runtime to train this model was 25.09190320968628 seconds

Hyperparameteres for model 4 at epoch 54

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.310650587081909 seconds

Loss: 0.3176

Train Accuracy: 88.59%

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.569016695022583 seconds

LR changed during epoch: 1.20e-04 -> 1.07e-04

total runtime to train this model was 25.13659119606018 seconds

Hyperparameteres for model 5 at epoch 54

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.25858998298645 seconds

Loss: 0.2907

Train Accuracy: 89.69%

Test Accuracy: 78.16%

Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7144126892089844 seconds
LR changed during epoch: 1.51e-04 -> 2.02e-04
total runtime to train this model was 24.409682512283325 seconds
Hyperparameteres for model 6 at epoch 54
lr: 0.0002520486299258281

weight_decay: 0.14260339646372344
drop_path: 0.08718985345732716
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6660513877868652 seconds
Loss: 0.3771
Train Accuracy: 86.72%
Test Accuracy: 77.39%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7569911479949951 seconds
LR changed during epoch: 5.27e-05 -> 4.71e-05
total runtime to train this model was 24.415382146835327 seconds
Hyperparameteres for model 7 at epoch 54
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.904245138168335 seconds
Loss: 0.3775
Train Accuracy: 86.69%
Test Accuracy: 78.06%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5816843509674072 seconds
LR changed during epoch: 6.54e-05 -> 5.84e-05
total runtime to train this model was 25.374331951141357 seconds
Hyperparameteres for model 8 at epoch 54
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5752317905426025 seconds

Loss: 0.3154

Train Accuracy: 88.79%

Test Accuracy: 77.82%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.6031837463378906 seconds

LR changed during epoch: 1.48e-04 -> 1.32e-04

total runtime to train this model was 25.217636108398438 seconds

Hyperparameteres for model 9 at epoch 54

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5308406352996826 seconds

Loss: 0.2916

Train Accuracy: 89.63%

Test Accuracy: 77.71%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 54 Summary:

=====

Time: 294.50s (Avg member: 29.45s)

Population Mean Accuracy: 77.78%

Best Member Accuracy: 78.22%

Mean Batch Size: 256

Mean Learning Rate: 3.89e-04

Mean Weight Decay: 0.099

=====

Epoch 55/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.5858967304229736 seconds

LR changed during epoch: 1.31e-04 -> 1.29e-04

total runtime to train this model was 25.45259428024292 seconds

Hyperparameteres for model 0 at epoch 55

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5229885578155518 seconds
Loss: 0.3641
Train Accuracy: 87.03%
Test Accuracy: 78.11%
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 1.5792436599731445 seconds
LR changed during epoch: 1.99e-04 -> 1.96e-04
total runtime to train this model was 24.952687740325928 seconds
Hyperparameteres for model 1 at epoch 55
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2032365798950195 seconds
Loss: 0.3520
Train Accuracy: 87.38%
Test Accuracy: 77.99%
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 1.6442854404449463 seconds
LR changed during epoch: 2.53e-04 -> 3.16e-04
total runtime to train this model was 24.97014355659485 seconds
Hyperparameteres for model 2 at epoch 55
lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.22135853767395 seconds
Loss: 0.3607
Train Accuracy: 86.94%
Test Accuracy: 77.56%
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 1.7553598880767822 seconds
LR changed during epoch: 4.16e-04 -> 4.14e-04
total runtime to train this model was 25.023934602737427 seconds
Hyperparameteres for model 3 at epoch 55
lr: 0.00041961520940316655

weight_decay: 0.1147896639332157

drop_path: 0.0578017107062974
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3374838829040527 seconds
Loss: 0.3978
Train Accuracy: 85.70%
Test Accuracy: 77.20%
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 1.6570298671722412 seconds
LR changed during epoch: 1.46e-04 -> 1.46e-04
total runtime to train this model was 24.94868493080139 seconds
Hyperparameteres for model 4 at epoch 55
lr: 0.0001476547437756025

weight_decay: 0.15
drop_path: 0.08962183727544686
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.76011323928833 seconds
Loss: 0.3154
Train Accuracy: 88.90%
Test Accuracy: 78.14%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.56662917137146 seconds
LR changed during epoch: 1.07e-04 -> 9.44e-05
total runtime to train this model was 25.57548975944519 seconds
Hyperparameteres for model 5 at epoch 55
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.277150869369507 seconds
Loss: 0.2774
Train Accuracy: 89.97%
Test Accuracy: 77.91%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.6212096214294434 seconds
LR changed during epoch: 2.02e-04 -> 2.52e-04
total runtime to train this model was 25.31619143486023 seconds
Hyperparameteres for model 6 at epoch 55
lr: 0.0002520486299258281

weight_decay: 0.14260339646372344

drop_path: 0.08718985345732716

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2237720489501953 seconds
Loss: 0.3942
Train Accuracy: 85.99%
Test Accuracy: 77.22%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.6312742233276367 seconds
LR changed during epoch: 4.71e-05 -> 4.18e-05
total runtime to train this model was 25.456655502319336 seconds
Hyperparameteres for model 7 at epoch 55
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.369701623916626 seconds
Loss: 0.3667
Train Accuracy: 86.72%
Test Accuracy: 78.06%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.606884241104126 seconds
LR changed during epoch: 5.84e-05 -> 5.18e-05
total runtime to train this model was 25.41572904586792 seconds
Hyperparameteres for model 8 at epoch 55
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.429245710372925 seconds

Loss: 0.3077
Train Accuracy: 89.11%
Test Accuracy: 78.21%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.7526938915252686 seconds
LR changed during epoch: 1.32e-04 -> 1.17e-04
total runtime to train this model was 24.7097909450531 seconds
Hyperparameters for model 9 at epoch 55
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4270808696746826 seconds

Loss: 0.2797
Train Accuracy: 90.05%
Test Accuracy: 78.44%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====

Top performers: [78.44, 78.21]
Bottom performers: [77.22, 77.2]

Member 6 copied from 9

Member 6: lr changed from 0.0002520486299258281 to 0.00026431017220486037

Member 6: weight_decay changed from 0.14260339646372344 to 0.15

Member 6: drop_path changed from 0.08718985345732716 to 0.09671175255803495

Member 6 copied from 9

 LR=2.64e-04, WD=0.150, DropPath=0.097, Warmup=5 epochs, Batch=256

Member 3 copied from 8

Member 3: lr changed from 0.00041961520940316655 to 0.0002781470365591521

Member 3: weight_decay changed from 0.1147896639332157 to 0.10429139895807327

Member 3: drop_path changed from 0.0578017107062974 to 0.09656232239154425

Member 3 copied from 8

 LR=2.78e-04, WD=0.104, DropPath=0.097, Warmup=5 epochs, Batch=256

=====

Epoch 55 Summary:

=====

Time: 295.78s (Avg member: 29.57s)

Population Mean Accuracy: 77.88%

Best Member Accuracy: 78.44%

Mean Batch Size: 256

Mean Learning Rate: 3.76e-04

Mean Weight Decay: 0.099

=====

Epoch 56/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.8333745002746582 seconds
LR changed during epoch: 1.29e-04 -> 1.27e-04
total runtime to train this model was 24.513911962509155 seconds
Hyperparameteres for model 0 at epoch 56
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.3431990146636963 seconds
Loss: 0.3666
Train Accuracy: 86.80%
Test Accuracy: 78.32%
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 1.610384464263916 seconds
LR changed during epoch: 1.96e-04 -> 1.94e-04
total runtime to train this model was 25.01782512664795 seconds
Hyperparameteres for model 1 at epoch 56
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4669454097747803 seconds
Loss: 0.3483
Train Accuracy: 87.73%
Test Accuracy: 77.96%
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 1.6699609756469727 seconds
LR changed during epoch: 3.16e-04 -> 3.16e-04
total runtime to train this model was 25.342592239379883 seconds
Hyperparameteres for model 2 at epoch 56
lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2456743717193604 seconds

Loss: 0.3652
Train Accuracy: 86.84%
Test Accuracy: 77.21%
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 1.5829949378967285 seconds
LR changed during epoch: 2.84e-07 -> 5.59e-05
total runtime to train this model was 25.41696286201477 seconds
Hyperparameteres for model 3 at epoch 56
lr: 0.0002781470365591521

weight_decay: 0.10429139895807327
drop_path: 0.09656232239154425
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2868683338165283 seconds
Loss: 0.3274
Train Accuracy: 88.30%
Test Accuracy: 78.24%
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 1.6110289096832275 seconds
LR changed during epoch: 1.46e-04 -> 1.45e-04
total runtime to train this model was 25.59034013748169 seconds
Hyperparameteres for model 4 at epoch 56
lr: 0.0001476547437756025

weight_decay: 0.15
drop_path: 0.08962183727544686
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.266024112701416 seconds
Loss: 0.3078
Train Accuracy: 88.93%
Test Accuracy: 78.45%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.567087173461914 seconds
LR changed during epoch: 9.44e-05 -> 8.29e-05
total runtime to train this model was 24.959786653518677 seconds
Hyperparameteres for model 5 at epoch 56
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1606574058532715 seconds
Loss: 0.2674
Train Accuracy: 90.55%
Test Accuracy: 78.37%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.738330364227295 seconds
LR changed during epoch: 2.70e-07 -> 5.31e-05
total runtime to train this model was 24.578593492507935 seconds
Hyperparameteres for model 6 at epoch 56
lr: 0.00026431017220486037

weight_decay: 0.15
drop_path: 0.09671175255803495
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8601343631744385 seconds
Loss: 0.2435
Train Accuracy: 91.42%
Test Accuracy: 78.67%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7143607139587402 seconds
LR changed during epoch: 4.18e-05 -> 3.67e-05
total runtime to train this model was 24.32100772857666 seconds
Hyperparameteres for model 7 at epoch 56
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2607297897338867 seconds
Loss: 0.3532
Train Accuracy: 87.52%
Test Accuracy: 78.13%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.577984094619751 seconds
LR changed during epoch: 5.18e-05 -> 4.55e-05

total runtime to train this model was 25.41496729850769 seconds

Hyperparameteres for model 8 at epoch 56

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2982399463653564 seconds

Loss: 0.2897

Train Accuracy: 89.82%

Test Accuracy: 77.96%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5721971988677979 seconds

LR changed during epoch: 1.17e-04 -> 1.03e-04

total runtime to train this model was 25.33694815635681 seconds

Hyperparameteres for model 9 at epoch 56

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2841241359710693 seconds

Loss: 0.2677

Train Accuracy: 90.48%

Test Accuracy: 78.18%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 56 Summary:

=====

Time: 294.92s (Avg member: 29.49s)

Population Mean Accuracy: 78.15%

Best Member Accuracy: 78.67%

Mean Batch Size: 256

Mean Learning Rate: 3.76e-04

Mean Weight Decay: 0.099

=====

Epoch 57/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.5580804347991943 seconds

LR changed during epoch: 1.27e-04 -> 1.24e-04

total runtime to train this model was 25.14591336250305 seconds

Hyperparameteres for model 0 at epoch 57

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2309036254882812 seconds

Loss: 0.3483

Train Accuracy: 87.73%

Test Accuracy: 78.32%

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 1.5752992630004883 seconds

LR changed during epoch: 1.94e-04 -> 1.91e-04

total runtime to train this model was 24.874105215072632 seconds

Hyperparameteres for model 1 at epoch 57

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.241577386856079 seconds

Loss: 0.3420

Train Accuracy: 87.79%

Test Accuracy: 78.34%

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 1.6051146984100342 seconds

LR changed during epoch: 3.16e-04 -> 3.15e-04

total runtime to train this model was 25.063504219055176 seconds

Hyperparameteres for model 2 at epoch 57

lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.177104949951172 seconds

Loss: 0.3579

Train Accuracy: 87.09%

Test Accuracy: 77.16%

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 1.608874797821045 seconds

LR changed during epoch: 5.59e-05 -> 1.12e-04

total runtime to train this model was 24.770116090774536 seconds

Hyperparameteres for model 3 at epoch 57

lr: 0.0002781470365591521

weight_decay: 0.10429139895807327

drop_path: 0.09656232239154425

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.1969377994537354 seconds

Loss: 0.3578

Train Accuracy: 87.24%

Test Accuracy: 77.22%

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 1.740293264389038 seconds

LR changed during epoch: 1.45e-04 -> 1.43e-04

total runtime to train this model was 24.78732180595398 seconds

Hyperparameteres for model 4 at epoch 57

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.816025495529175 seconds

Loss: 0.3020

Train Accuracy: 89.18%

Test Accuracy: 78.28%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.7292368412017822 seconds

LR changed during epoch: 8.29e-05 -> 7.20e-05

total runtime to train this model was 24.44675898551941 seconds

Hyperparameteres for model 5 at epoch 57

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.2450809478759766 seconds
Loss: 0.2527
Train Accuracy: 91.00%
Test Accuracy: 77.92%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5554628372192383 seconds
LR changed during epoch: 5.31e-05 -> 1.06e-04
total runtime to train this model was 25.206074476242065 seconds
Hyperparameteres for model 6 at epoch 57
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3253374099731445 seconds
Loss: 0.2469
Train Accuracy: 91.28%
Test Accuracy: 78.40%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.620995283126831 seconds
LR changed during epoch: 3.67e-05 -> 3.20e-05
total runtime to train this model was 24.7894549369812 seconds
Hyperparameteres for model 7 at epoch 57
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2501440048217773 seconds
Loss: 0.3455
Train Accuracy: 87.65%
Test Accuracy: 78.21%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5626864433288574 seconds
LR changed during epoch: 4.55e-05 -> 3.95e-05
total runtime to train this model was 25.422611474990845 seconds
Hyperparameteres for model 8 at epoch 57
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1737287044525146 seconds

Loss: 0.2781

Train Accuracy: 89.93%

Test Accuracy: 78.05%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5836772918701172 seconds

LR changed during epoch: 1.03e-04 -> 8.90e-05

total runtime to train this model was 24.783811807632446 seconds

Hyperparameteres for model 9 at epoch 57

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1600263118743896 seconds

Loss: 0.2597

Train Accuracy: 90.88%

Test Accuracy: 78.30%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 57 Summary:

=====

Time: 291.73s (Avg member: 29.17s)

Population Mean Accuracy: 78.02%

Best Member Accuracy: 78.40%

Mean Batch Size: 256

Mean Learning Rate: 3.76e-04

Mean Weight Decay: 0.099

=====

Epoch 58/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.62760591506958 seconds

LR changed during epoch: 1.24e-04 -> 1.21e-04

total runtime to train this model was 24.92130136489868 seconds

Hyperparameteres for model 0 at epoch 58

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.154283046722412 seconds
Loss: 0.3422
Train Accuracy: 87.84%
Test Accuracy: 78.38%
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 1.5988261699676514 seconds
LR changed during epoch: 1.91e-04 -> 1.88e-04
total runtime to train this model was 25.323136806488037 seconds
Hyperparameteres for model 1 at epoch 58
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.223094940185547 seconds
Loss: 0.3374
Train Accuracy: 87.83%
Test Accuracy: 78.17%
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 1.7102992534637451 seconds
LR changed during epoch: 3.15e-04 -> 3.14e-04
total runtime to train this model was 24.739447832107544 seconds
Hyperparameteres for model 2 at epoch 58
lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.853362798690796 seconds
Loss: 0.3527
Train Accuracy: 87.30%
Test Accuracy: 77.88%
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 1.7219417095184326 seconds

LR changed during epoch: 1.12e-04 -> 1.67e-04
total runtime to train this model was 23.73673725128174 seconds
Hyperparameteres for model 3 at epoch 58
lr: 0.0002781470365591521

weight_decay: 0.10429139895807327

drop_path: 0.09656232239154425

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.501446485519409 seconds
Loss: 0.3849
Train Accuracy: 86.23%
Test Accuracy: 76.73%
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 1.5624449253082275 seconds
LR changed during epoch: 1.43e-04 -> 1.42e-04
total runtime to train this model was 24.85196876525879 seconds
Hyperparameteres for model 4 at epoch 58
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5733554363250732 seconds
Loss: 0.2940
Train Accuracy: 89.68%
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

--- Training Member 5 (Batch size: 256) ---
built data in 1.6141688823699951 seconds
LR changed during epoch: 7.20e-05 -> 6.18e-05
total runtime to train this model was 24.687077045440674 seconds
Hyperparameteres for model 5 at epoch 58
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1829590797424316 seconds
Loss: 0.2425

Train Accuracy: 91.41%
Test Accuracy: 78.34%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6322884559631348 seconds
LR changed during epoch: 1.06e-04 -> 1.59e-04
total runtime to train this model was 25.25738525390625 seconds
Hyperparameteres for model 6 at epoch 58
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3129284381866455 seconds
Loss: 0.2619
Train Accuracy: 90.59%
Test Accuracy: 78.04%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.614640235900879 seconds
LR changed during epoch: 3.20e-05 -> 2.75e-05
total runtime to train this model was 25.339357137680054 seconds
Hyperparameteres for model 7 at epoch 58
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.255126714706421 seconds
Loss: 0.3397
Train Accuracy: 87.99%
Test Accuracy: 77.99%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6757228374481201 seconds
LR changed during epoch: 3.95e-05 -> 3.40e-05
total runtime to train this model was 26.770458221435547 seconds
Hyperparameteres for model 8 at epoch 58
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.925229549407959 seconds
Loss: 0.2710
Train Accuracy: 90.37%
Test Accuracy: 78.25%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.9450721740722656 seconds
LR changed during epoch: 8.90e-05 -> 7.63e-05
total runtime to train this model was 30.315515518188477 seconds
Hyperparameteres for model 9 at epoch 58
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.8782856464385986 seconds
Loss: 0.2458
Train Accuracy: 91.31%
Test Accuracy: 78.60%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 58 Summary:
=====

Time: 302.05s (Avg member: 30.21s)
Population Mean Accuracy: 78.08%
Best Member Accuracy: 78.60%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.099

=====
Epoch 59/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.8702983856201172 seconds
LR changed during epoch: 1.21e-04 -> 1.19e-04
total runtime to train this model was 31.12822437286377 seconds
Hyperparameteres for model 0 at epoch 59
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.892430543899536 seconds

Loss: 0.3390

Train Accuracy: 88.07%

Test Accuracy: 78.63%

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 1.9392805099487305 seconds

LR changed during epoch: 1.88e-04 -> 1.85e-04

total runtime to train this model was 28.261653900146484 seconds

Hyperparameteres for model 1 at epoch 59

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7504801750183105 seconds

Loss: 0.3251

Train Accuracy: 88.41%

Test Accuracy: 77.99%

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 1.7012104988098145 seconds

LR changed during epoch: 3.14e-04 -> 3.13e-04

total runtime to train this model was 28.071447134017944 seconds

Hyperparameteres for model 2 at epoch 59

lr: 0.0003159055659488499

weight_decay: 0.032053548638415724

drop_path: 0.09093088217573617

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4471871852874756 seconds

Loss: 0.3473

Train Accuracy: 87.58%

Test Accuracy: 77.22%

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 1.6859397888183594 seconds

LR changed during epoch: 1.67e-04 -> 2.23e-04

total runtime to train this model was 28.274566173553467 seconds

Hyperparameteres for model 3 at epoch 59

lr: 0.0002781470365591521

weight_decay: 0.10429139895807327

drop_path: 0.09656232239154425

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.975785255432129 seconds

Loss: 0.4224

Train Accuracy: 84.88%

Test Accuracy: 76.36%

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 1.8104956150054932 seconds

LR changed during epoch: 1.42e-04 -> 1.41e-04

total runtime to train this model was 28.07960557937622 seconds

Hyperparameteres for model 4 at epoch 59

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.531712532043457 seconds

Loss: 0.2893

Train Accuracy: 89.70%

Test Accuracy: 78.79%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.6684792041778564 seconds

LR changed during epoch: 6.18e-05 -> 5.23e-05

total runtime to train this model was 27.61882734298706 seconds

Hyperparameteres for model 5 at epoch 59

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.527750015258789 seconds

Loss: 0.2291

Train Accuracy: 91.88%

Test Accuracy: 78.57%

Google Drive already mounted.

Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6465318202972412 seconds
LR changed during epoch: 1.59e-04 -> 2.12e-04
total runtime to train this model was 28.23991560935974 seconds
Hyperparameteres for model 6 at epoch 59
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6510019302368164 seconds
Loss: 0.2752
Train Accuracy: 90.13%
Test Accuracy: 78.32%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.814743995666504 seconds
LR changed during epoch: 2.75e-05 -> 2.34e-05
total runtime to train this model was 27.611951112747192 seconds
Hyperparameteres for model 7 at epoch 59
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.198033571243286 seconds
Loss: 0.3321
Train Accuracy: 88.30%
Test Accuracy: 77.98%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6760647296905518 seconds
LR changed during epoch: 3.40e-05 -> 2.89e-05
total runtime to train this model was 27.675662517547607 seconds
Hyperparameteres for model 8 at epoch 59
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4489645957946777 seconds
Loss: 0.2631
Train Accuracy: 90.60%
Test Accuracy: 78.46%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.663210153579712 seconds
LR changed during epoch: 7.63e-05 -> 6.46e-05
total runtime to train this model was 27.697453498840332 seconds
Hyperparameteres for model 9 at epoch 59
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5144898891448975 seconds
Loss: 0.2359
Train Accuracy: 91.52%
Test Accuracy: 78.66%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 59 Summary:

=====

Time: 329.77s (Avg member: 32.98s)
Population Mean Accuracy: 78.10%
Best Member Accuracy: 78.79%
Mean Batch Size: 256
Mean Learning Rate: 3.76e-04
Mean Weight Decay: 0.099

=====

Epoch 60/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.835202693939209 seconds
LR changed during epoch: 1.19e-04 -> 1.16e-04
total runtime to train this model was 27.374680757522583 seconds
Hyperparameteres for model 0 at epoch 60
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.8739547729492188 seconds

Loss: 0.3363
Train Accuracy: 87.97%
Test Accuracy: 78.44%
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 1.6736769676208496 seconds
LR changed during epoch: 1.85e-04 -> 1.82e-04
total runtime to train this model was 28.2498300075531 seconds
Hyperparameteres for model 1 at epoch 60
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4961631298065186 seconds
Loss: 0.3175
Train Accuracy: 88.62%
Test Accuracy: 78.16%
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 1.6536593437194824 seconds
LR changed during epoch: 3.13e-04 -> 3.11e-04
total runtime to train this model was 27.629432678222656 seconds
Hyperparameteres for model 2 at epoch 60
lr: 0.0003159055659488499

weight_decay: 0.032053548638415724
drop_path: 0.09093088217573617
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4887733459472656 seconds
Loss: 0.3400
Train Accuracy: 87.82%
Test Accuracy: 77.45%
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 1.6917710304260254 seconds
LR changed during epoch: 2.23e-04 -> 2.78e-04
total runtime to train this model was 27.34694504737854 seconds
Hyperparameteres for model 3 at epoch 60
lr: 0.0002781470365591521

weight_decay: 0.10429139895807327
drop_path: 0.09656232239154425

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.621140718460083 seconds
Loss: 0.4558
Train Accuracy: 83.37%
Test Accuracy: 75.51%
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 1.64251708984375 seconds
LR changed during epoch: 1.41e-04 -> 1.39e-04
total runtime to train this model was 27.763360023498535 seconds
Hyperparameteres for model 4 at epoch 60
lr: 0.0001476547437756025

weight_decay: 0.15
drop_path: 0.08962183727544686

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.447648286819458 seconds
Loss: 0.2842
Train Accuracy: 89.85%
Test Accuracy: 78.38%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6503674983978271 seconds
LR changed during epoch: 5.23e-05 -> 4.35e-05
total runtime to train this model was 27.325368404388428 seconds
Hyperparameteres for model 5 at epoch 60
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4373741149902344 seconds
Loss: 0.2189
Train Accuracy: 92.25%
Test Accuracy: 78.33%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7165641784667969 seconds
LR changed during epoch: 2.12e-04 -> 2.64e-04

total runtime to train this model was 28.00198221206665 seconds

Hyperparameteres for model 6 at epoch 60

lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.9633302688598633 seconds

Loss: 0.2906

Train Accuracy: 89.46%

Test Accuracy: 77.82%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.826810359954834 seconds

LR changed during epoch: 2.34e-05 -> 1.96e-05

total runtime to train this model was 27.73234224319458 seconds

Hyperparameteres for model 7 at epoch 60

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.4592602252960205 seconds

Loss: 0.3272

Train Accuracy: 88.24%

Test Accuracy: 78.51%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.6685006618499756 seconds

LR changed during epoch: 2.89e-05 -> 2.41e-05

total runtime to train this model was 27.626211881637573 seconds

Hyperparameteres for model 8 at epoch 60

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.424663782119751 seconds

Loss: 0.2520

Train Accuracy: 91.01%

Test Accuracy: 78.30%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6337225437164307 seconds
LR changed during epoch: 6.46e-05 -> 5.38e-05
total runtime to train this model was 27.55146074295044 seconds
Hyperparameteres for model 9 at epoch 60
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.414350748062134 seconds
Loss: 0.2267
Train Accuracy: 91.93%
Test Accuracy: 78.87%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====
Top performers: [78.87, 78.51]
Bottom performers: [77.45, 75.51]
Member 2 copied from 7
Member 2: lr changed from 0.0003159055659488499 to 0.0004431232011999187
Member 2: weight_decay changed from 0.032053548638415724 to 0.05445561697741813
Member 2: drop_path changed from 0.09093088217573617 to 0.06460027800316709
Member 2 copied from 7
LR=4.43e-04, WD=0.054, DropPath=0.065, Warmup=5 epochs, Batch=256
Member 3 copied from 7
Member 3: lr changed from 0.0002781470365591521 to 0.00029637015671608077
Member 3: weight_decay changed from 0.10429139895807327 to 0.08398732912289578
Member 3: drop_path changed from 0.09656232239154425 to 0.12553770263307307
Member 3 copied from 7
LR=2.96e-04, WD=0.084, DropPath=0.126, Warmup=5 epochs, Batch=256

=====
Epoch 60 Summary:
=====

Time: 323.84s (Avg member: 32.38s)
Population Mean Accuracy: 77.98%
Best Member Accuracy: 78.87%
Mean Batch Size: 256
Mean Learning Rate: 3.91e-04
Mean Weight Decay: 0.099

=====
Epoch 61/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.7890503406524658 seconds
LR changed during epoch: 1.16e-04 -> 1.13e-04

total runtime to train this model was 26.916091442108154 seconds

Hyperparameteres for model 0 at epoch 61

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 3.4637928009033203 seconds

Loss: 0.3266

Train Accuracy: 88.36%

Test Accuracy: 78.24%

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 1.6759860515594482 seconds

LR changed during epoch: 1.82e-04 -> 1.79e-04

total runtime to train this model was 26.868706941604614 seconds

Hyperparameteres for model 1 at epoch 61

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3937413692474365 seconds

Loss: 0.3114

Train Accuracy: 88.87%

Test Accuracy: 78.23%

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 1.6915674209594727 seconds

LR changed during epoch: 4.52e-07 -> 8.91e-05

total runtime to train this model was 27.448381423950195 seconds

Hyperparameteres for model 2 at epoch 61

lr: 0.0004431232011999187

weight_decay: 0.05445561697741813

drop_path: 0.06460027800316709

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3567442893981934 seconds

Loss: 0.3332

Train Accuracy: 88.21%

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 1.6855454444885254 seconds
LR changed during epoch: 3.02e-07 -> 5.96e-05
total runtime to train this model was 27.281431913375854 seconds
Hyperparameteres for model 3 at epoch 61
lr: 0.00029637015671608077

weight_decay: 0.08398732912289578

drop_path: 0.12553770263307307

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.87754487991333 seconds
Loss: 0.3198
Train Accuracy: 88.73%
Test Accuracy: 77.65%
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 1.9329652786254883 seconds
LR changed during epoch: 1.39e-04 -> 1.38e-04
total runtime to train this model was 27.565488576889038 seconds
Hyperparameteres for model 4 at epoch 61
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.609544277191162 seconds
Loss: 0.2796
Train Accuracy: 90.05%
Test Accuracy: 78.23%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6773161888122559 seconds
LR changed during epoch: 4.35e-05 -> 3.56e-05
total runtime to train this model was 27.52780270576477 seconds
Hyperparameteres for model 5 at epoch 61
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4720306396484375 seconds
Loss: 0.2126
Train Accuracy: 92.44%
Test Accuracy: 78.47%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.7017302513122559 seconds
LR changed during epoch: 2.64e-04 -> 2.64e-04
total runtime to train this model was 28.3807475566864 seconds
Hyperparameteres for model 6 at epoch 61
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.964216947555542 seconds
Loss: 0.3023
Train Accuracy: 89.24%
Test Accuracy: 77.41%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.8239495754241943 seconds
LR changed during epoch: 1.96e-05 -> 1.61e-05
total runtime to train this model was 27.203407764434814 seconds
Hyperparameteres for model 7 at epoch 61
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.986666440963745 seconds
Loss: 0.3163
Train Accuracy: 88.71%
Test Accuracy: 78.35%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6926863193511963 seconds
LR changed during epoch: 2.41e-05 -> 1.98e-05
total runtime to train this model was 27.89775037765503 seconds
Hyperparameteres for model 8 at epoch 61

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4542343616485596 seconds

Loss: 0.2470

Train Accuracy: 91.37%

Test Accuracy: 78.51%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.6740715503692627 seconds

LR changed during epoch: 5.38e-05 -> 4.39e-05

total runtime to train this model was 27.97981858253479 seconds

Hyperparameteres for model 9 at epoch 61

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.592556953430176 seconds

Loss: 0.2220

Train Accuracy: 92.17%

Test Accuracy: 79.01%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 61 Summary:

=====

Time: 322.18s (Avg member: 32.22s)

Population Mean Accuracy: 78.23%

Best Member Accuracy: 79.01%

Mean Batch Size: 256

Mean Learning Rate: 3.91e-04

Mean Weight Decay: 0.099

=====

Epoch 62/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.9180331230163574 seconds

LR changed during epoch: 1.13e-04 -> 1.10e-04

total runtime to train this model was 27.89763355255127 seconds

Hyperparameteres for model 0 at epoch 62

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.989985466003418 seconds

Loss: 0.3211

Train Accuracy: 88.36%

Test Accuracy: 78.28%

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 1.6328527927398682 seconds

LR changed during epoch: 1.79e-04 -> 1.75e-04

total runtime to train this model was 28.075357913970947 seconds

Hyperparameteres for model 1 at epoch 62

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5249555110931396 seconds

Loss: 0.3042

Train Accuracy: 89.04%

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 1.6248126029968262 seconds

LR changed during epoch: 8.91e-05 -> 1.78e-04

total runtime to train this model was 27.71091055870056 seconds

Hyperparameteres for model 2 at epoch 62

lr: 0.0004431232011999187

weight_decay: 0.05445561697741813

drop_path: 0.06460027800316709

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4605886936187744 seconds

Loss: 0.3948

Train Accuracy: 85.86%

Test Accuracy: 76.85%

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 1.778721570968628 seconds
LR changed during epoch: 5.96e-05 -> 1.19e-04
total runtime to train this model was 26.81842589378357 seconds
Hyperparameteres for model 3 at epoch 62
lr: 0.00029637015671608077

weight_decay: 0.08398732912289578

drop_path: 0.12553770263307307

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5783169269561768 seconds
Loss: 0.3565
Train Accuracy: 87.14%
Test Accuracy: 77.07%
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 1.6696031093597412 seconds
LR changed during epoch: 1.38e-04 -> 1.36e-04
total runtime to train this model was 27.307944536209106 seconds
Hyperparameteres for model 4 at epoch 62
lr: 0.001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4562482833862305 seconds
Loss: 0.2727
Train Accuracy: 90.35%
Test Accuracy: 78.55%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.660205364227295 seconds
LR changed during epoch: 3.56e-05 -> 2.84e-05
total runtime to train this model was 27.42460060119629 seconds
Hyperparameteres for model 5 at epoch 62
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.449171781539917 seconds
Loss: 0.2064
Train Accuracy: 92.79%
Test Accuracy: 78.40%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6216096878051758 seconds
LR changed during epoch: 2.64e-04 -> 2.64e-04
total runtime to train this model was 27.228948831558228 seconds
Hyperparameteres for model 6 at epoch 62
lr: 0.00026431017220486037

weight_decay: 0.15
drop_path: 0.09671175255803495
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.5083885192871094 seconds
Loss: 0.2961
Train Accuracy: 89.43%
Test Accuracy: 77.97%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.9075541496276855 seconds
LR changed during epoch: 1.61e-05 -> 1.30e-05
total runtime to train this model was 26.826637029647827 seconds
Hyperparameteres for model 7 at epoch 62
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.241370439529419 seconds
Loss: 0.3170
Train Accuracy: 88.85%
Test Accuracy: 78.43%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6257781982421875 seconds
LR changed during epoch: 1.98e-05 -> 1.59e-05
total runtime to train this model was 27.901353597640999 seconds
Hyperparameteres for model 8 at epoch 62
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4608285427093506 seconds
Loss: 0.2442
Train Accuracy: 91.29%
Test Accuracy: 78.25%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.606743574142456 seconds
LR changed during epoch: 4.39e-05 -> 3.50e-05
total runtime to train this model was 27.275526523590088 seconds
Hyperparameteres for model 9 at epoch 62
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.4059255123138428 seconds
Loss: 0.2139
Train Accuracy: 92.46%
Test Accuracy: 78.77%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 62 Summary:
=====

Time: 321.10s (Avg member: 32.11s)
Population Mean Accuracy: 78.05%
Best Member Accuracy: 78.77%
Mean Batch Size: 256
Mean Learning Rate: 3.91e-04
Mean Weight Decay: 0.099

=====
Epoch 63/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6491706371307373 seconds
LR changed during epoch: 1.10e-04 -> 1.07e-04
total runtime to train this model was 25.95902395248413 seconds
Hyperparameteres for model 0 at epoch 63
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3739516735076904 seconds
Loss: 0.3120
Train Accuracy: 88.82%
Test Accuracy: 78.70%
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 1.7793910503387451 seconds
LR changed during epoch: 1.75e-04 -> 1.71e-04
total runtime to train this model was 25.38438844680786 seconds
Hyperparameteres for model 1 at epoch 63
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.5010886192321777 seconds
Loss: 0.2966
Train Accuracy: 89.35%
Test Accuracy: 78.35%
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 1.6004087924957275 seconds
LR changed during epoch: 1.78e-04 -> 2.66e-04
total runtime to train this model was 25.632601737976074 seconds
Hyperparameteres for model 2 at epoch 63
lr: 0.0004431232011999187

weight_decay: 0.05445561697741813
drop_path: 0.06460027800316709

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.349004030227661 seconds
Loss: 0.4605
Train Accuracy: 83.31%
Test Accuracy: 75.72%
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 1.5774800777435303 seconds
LR changed during epoch: 1.19e-04 -> 1.78e-04
total runtime to train this model was 25.6533420085907 seconds

Hyperparameteres for model 3 at epoch 63

lr: 0.00029637015671608077

weight_decay: 0.08398732912289578

drop_path: 0.12553770263307307

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2434887886047363 seconds

Loss: 0.4035

Train Accuracy: 85.46%

Test Accuracy: 76.79%

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 1.6303918361663818 seconds

LR changed during epoch: 1.36e-04 -> 1.34e-04

total runtime to train this model was 25.632617712020874 seconds

Hyperparameteres for model 4 at epoch 63

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2413339614868164 seconds

Loss: 0.2645

Train Accuracy: 90.74%

Test Accuracy: 78.43%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.5746805667877197 seconds

LR changed during epoch: 2.84e-05 -> 2.20e-05

total runtime to train this model was 25.765636444091797 seconds

Hyperparameteres for model 5 at epoch 63

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.292747974395752 seconds

Loss: 0.1990

Train Accuracy: 92.95%

Test Accuracy: 78.23%

Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6520016193389893 seconds
LR changed during epoch: 2.64e-04 -> 2.63e-04
total runtime to train this model was 25.197098970413208 seconds
Hyperparameteres for model 6 at epoch 63
lr: 0.00026431017220486037

weight_decay: 0.15
drop_path: 0.09671175255803495
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3857672214508057 seconds
Loss: 0.2975
Train Accuracy: 89.29%
Test Accuracy: 78.07%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7882609367370605 seconds
LR changed during epoch: 1.30e-05 -> 1.02e-05
total runtime to train this model was 24.7874915599823 seconds
Hyperparameteres for model 7 at epoch 63
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.390562057495117 seconds
Loss: 0.3083
Train Accuracy: 89.10%
Test Accuracy: 78.53%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6027848720550537 seconds
LR changed during epoch: 1.59e-05 -> 1.24e-05
total runtime to train this model was 25.710554599761963 seconds
Hyperparameteres for model 8 at epoch 63
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.505826711654663 seconds

Loss: 0.2361

Train Accuracy: 91.62%

Test Accuracy: 78.55%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5758869647979736 seconds

LR changed during epoch: 3.50e-05 -> 2.71e-05

total runtime to train this model was 25.874483585357666 seconds

Hyperparameteres for model 9 at epoch 63

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.263909339904785 seconds

Loss: 0.2051

Train Accuracy: 92.75%

Test Accuracy: 78.81%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 63 Summary:

=====

Time: 300.11s (Avg member: 30.01s)

Population Mean Accuracy: 78.02%

Best Member Accuracy: 78.81%

Mean Batch Size: 256

Mean Learning Rate: 3.91e-04

Mean Weight Decay: 0.099

=====

Epoch 64/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.6518969535827637 seconds

LR changed during epoch: 1.07e-04 -> 1.03e-04

total runtime to train this model was 26.282699584960938 seconds

Hyperparameteres for model 0 at epoch 64

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.276350975036621 seconds
Loss: 0.3037
Train Accuracy: 89.05%
Test Accuracy: 78.32%
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 1.5760693550109863 seconds
LR changed during epoch: 1.71e-04 -> 1.68e-04
total runtime to train this model was 26.007831811904907 seconds
Hyperparameteres for model 1 at epoch 64
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.28977632522583 seconds
Loss: 0.2874
Train Accuracy: 89.68%
Test Accuracy: 78.19%
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 1.7058556079864502 seconds
LR changed during epoch: 2.66e-04 -> 3.55e-04
total runtime to train this model was 25.291948080062866 seconds
Hyperparameteres for model 2 at epoch 64
lr: 0.0004431232011999187

weight_decay: 0.05445561697741813
drop_path: 0.06460027800316709
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1915948390960693 seconds
Loss: 0.5146
Train Accuracy: 81.57%
Test Accuracy: 74.52%
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 1.6688132286071777 seconds
LR changed during epoch: 1.78e-04 -> 2.37e-04
total runtime to train this model was 25.81294322013855 seconds
Hyperparameteres for model 3 at epoch 64
lr: 0.00029637015671608077

weight_decay: 0.08398732912289578

drop_path: 0.12553770263307307
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6152594089508057 seconds
Loss: 0.4535
Train Accuracy: 83.79%
Test Accuracy: 75.34%
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 1.611281394958496 seconds
LR changed during epoch: 1.34e-04 -> 1.31e-04
total runtime to train this model was 25.688538312911987 seconds
Hyperparameteres for model 4 at epoch 64
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2655653953552246 seconds
Loss: 0.2633
Train Accuracy: 90.65%
Test Accuracy: 78.12%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5925498008728027 seconds
LR changed during epoch: 2.20e-05 -> 1.65e-05
total runtime to train this model was 25.398459434509277 seconds
Hyperparameteres for model 5 at epoch 64
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2744083404541016 seconds
Loss: 0.1956
Train Accuracy: 93.22%
Test Accuracy: 78.54%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---

built data in 1.6163499355316162 seconds
LR changed during epoch: 2.63e-04 -> 2.62e-04
total runtime to train this model was 25.561930894851685 seconds
Hyperparameteres for model 6 at epoch 64
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2733490467071533 seconds
Loss: 0.2895
Train Accuracy: 89.71%
Test Accuracy: 77.38%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.591430902481079 seconds
LR changed during epoch: 1.02e-05 -> 7.76e-06
total runtime to train this model was 25.869290828704834 seconds
Hyperparameteres for model 7 at epoch 64
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.325742244720459 seconds
Loss: 0.3069
Train Accuracy: 89.27%
Test Accuracy: 78.61%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.7811477184295654 seconds
LR changed during epoch: 1.24e-05 -> 9.42e-06
total runtime to train this model was 25.035050630569458 seconds
Hyperparameteres for model 8 at epoch 64
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.252232551574707 seconds

Loss: 0.2285
Train Accuracy: 91.98%
Test Accuracy: 78.60%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.658437967300415 seconds
LR changed during epoch: 2.71e-05 -> 2.02e-05
total runtime to train this model was 25.870762825012207 seconds
Hyperparameteres for model 9 at epoch 64
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.446204900741577 seconds

Loss: 0.1998
Train Accuracy: 92.98%
Test Accuracy: 78.62%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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Epoch 64 Summary:
=====

Time: 301.12s (Avg member: 30.11s)
Population Mean Accuracy: 77.62%
Best Member Accuracy: 78.62%
Mean Batch Size: 256
Mean Learning Rate: 3.91e-04
Mean Weight Decay: 0.099

=====
Epoch 65/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.5983314514160156 seconds
LR changed during epoch: 1.03e-04 -> 1.00e-04
total runtime to train this model was 25.820329189300537 seconds
Hyperparameteres for model 0 at epoch 65
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.277918815612793 seconds
Loss: 0.3035
Train Accuracy: 89.20%

Test Accuracy: 78.14%
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 1.585949182510376 seconds
LR changed during epoch: 1.68e-04 -> 1.63e-04
total runtime to train this model was 25.514854431152344 seconds
Hyperparameteres for model 1 at epoch 65
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.281153917312622 seconds
Loss: 0.2842
Train Accuracy: 89.83%
Test Accuracy: 78.28%
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 1.6182267665863037 seconds
LR changed during epoch: 3.55e-04 -> 4.43e-04
total runtime to train this model was 25.630427837371826 seconds
Hyperparameteres for model 2 at epoch 65
lr: 0.0004431232011999187

weight_decay: 0.05445561697741813
drop_path: 0.06460027800316709
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2959678173065186 seconds
Loss: 0.5733
Train Accuracy: 79.46%
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 1.5948731899261475 seconds
LR changed during epoch: 2.37e-04 -> 2.96e-04
total runtime to train this model was 25.398372888565063 seconds
Hyperparameteres for model 3 at epoch 65
lr: 0.00029637015671608077

weight_decay: 0.08398732912289578
drop_path: 0.12553770263307307
warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.541379451751709 seconds
Loss: 0.4907
Train Accuracy: 82.43%
Test Accuracy: 75.94%
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 1.774367332458496 seconds
LR changed during epoch: 1.31e-04 -> 1.29e-04
total runtime to train this model was 24.267942190170288 seconds
Hyperparameteres for model 4 at epoch 65
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.348741054534912 seconds
Loss: 0.2587
Train Accuracy: 90.85%
Test Accuracy: 78.22%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6025242805480957 seconds
LR changed during epoch: 1.65e-05 -> 1.18e-05
total runtime to train this model was 25.0095431804657 seconds
Hyperparameteres for model 5 at epoch 65
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.558657646179199 seconds
Loss: 0.1895
Train Accuracy: 93.29%
Test Accuracy: 78.68%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6487205028533936 seconds
LR changed during epoch: 2.62e-04 -> 2.60e-04
total runtime to train this model was 25.589882850646973 seconds
Hyperparameteres for model 6 at epoch 65

lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2406694889068604 seconds

Loss: 0.2866

Train Accuracy: 89.64%

Test Accuracy: 77.62%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.5873231887817383 seconds

LR changed during epoch: 7.76e-06 -> 5.70e-06

total runtime to train this model was 25.61102271080017 seconds

Hyperparameteres for model 7 at epoch 65

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2557435035705566 seconds

Loss: 0.3041

Train Accuracy: 89.33%

Test Accuracy: 78.39%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.6004323959350586 seconds

LR changed during epoch: 9.42e-06 -> 6.86e-06

total runtime to train this model was 25.26475715637207 seconds

Hyperparameteres for model 8 at epoch 65

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.278317928314209 seconds

Loss: 0.2278

Train Accuracy: 92.10%

Test Accuracy: 78.42%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5753302574157715 seconds

LR changed during epoch: 2.02e-05 -> 1.44e-05

total runtime to train this model was 25.240102767944336 seconds

Hyperparameteres for model 9 at epoch 65

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.1755590438842773 seconds

Loss: 0.1983

Train Accuracy: 92.93%

Test Accuracy: 78.61%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

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

==== PBT Exploit & Explore ====

Top performers: [78.68, 78.61]

Bottom performers: [75.94, 74.28]

Member 3 copied from 9

Member 3: lr changed from 0.00029637015671608077 to 0.00023249885693761352

Member 3: weight_decay changed from 0.08398732912289578 to 0.10628333363078492

Member 3: drop_path changed from 0.12553770263307307 to 0.08730258200599518

Member 3 copied from 9

LR=2.32e-04, WD=0.106, DropPath=0.087, Warmup=5 epochs, Batch=256

Member 2 copied from 5

Member 2: lr changed from 0.0004431232011999187 to 0.0005703305524173996

Member 2: weight_decay changed from 0.05445561697741813 to 0.061271745187784665

Member 2: drop_path changed from 0.06460027800316709 to 0.035849332377670316

Member 2 copied from 5

LR=5.70e-04, WD=0.061, DropPath=0.036, Warmup=5 epochs, Batch=256

=====

Epoch 65 Summary:

=====

Time: 296.31s (Avg member: 29.63s)

Population Mean Accuracy: 77.66%

Best Member Accuracy: 78.68%

Mean Batch Size: 256

Mean Learning Rate: 3.97e-04

Mean Weight Decay: 0.102

=====

Epoch 66/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.613887071609497 seconds

LR changed during epoch: 1.00e-04 -> 9.68e-05

total runtime to train this model was 25.3598473072052 seconds

Hyperparameteres for model 0 at epoch 66

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.920581340789795 seconds

Loss: 0.2964

Train Accuracy: 89.50%

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 1.709836483001709 seconds

LR changed during epoch: 1.63e-04 -> 1.59e-04

total runtime to train this model was 24.470031261444092 seconds

Hyperparameteres for model 1 at epoch 66

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.206873893737793 seconds

Loss: 0.2784

Train Accuracy: 90.13%

Test Accuracy: 77.70%

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 1.5944170951843262 seconds

LR changed during epoch: 5.82e-07 -> 1.15e-04

total runtime to train this model was 24.964672088623047 seconds

Hyperparameteres for model 2 at epoch 66

lr: 0.0005703305524173996

weight_decay: 0.061271745187784665

drop_path: 0.035849332377670316

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.446288824081421 seconds

Loss: 0.2652

Train Accuracy: 90.51%

Test Accuracy: 78.50%

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 1.5683553218841553 seconds

LR changed during epoch: 2.37e-07 -> 4.67e-05

total runtime to train this model was 25.314230918884277 seconds

Hyperparameteres for model 3 at epoch 66

lr: 0.00023249885693761352

weight_decay: 0.10628333363078492

drop_path: 0.08730258200599518

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3456454277038574 seconds

Loss: 0.1850

Train Accuracy: 93.55%

Test Accuracy: 78.59%

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 1.5648090839385986 seconds

LR changed during epoch: 1.29e-04 -> 1.27e-04

total runtime to train this model was 25.308772325515747 seconds

Hyperparameteres for model 4 at epoch 66

lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.257406711578369 seconds

Loss: 0.2535

Train Accuracy: 90.99%

Test Accuracy: 78.21%

Google Drive already mounted.

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

--- Training Member 5 (Batch size: 256) ---

built data in 1.611867904663086 seconds

LR changed during epoch: 1.18e-05 -> 7.91e-06

total runtime to train this model was 25.399794101715088 seconds

Hyperparameteres for model 5 at epoch 66

lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.236043930053711 seconds
Loss: 0.1864
Train Accuracy: 93.42%
Test Accuracy: 78.51%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5637168884277344 seconds
LR changed during epoch: 2.60e-04 -> 2.59e-04
total runtime to train this model was 25.34051823616028 seconds
Hyperparameteres for model 6 at epoch 66
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.342707395553589 seconds
Loss: 0.2866
Train Accuracy: 89.67%
Test Accuracy: 77.73%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.7745237350463867 seconds
LR changed during epoch: 5.70e-06 -> 4.01e-06
total runtime to train this model was 24.877197742462158 seconds
Hyperparameteres for model 7 at epoch 66
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1059939861297607 seconds
Loss: 0.2983
Train Accuracy: 89.45%
Test Accuracy: 78.60%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6363863945007324 seconds
LR changed during epoch: 6.86e-06 -> 4.75e-06
total runtime to train this model was 25.152408123016357 seconds
Hyperparameteres for model 8 at epoch 66
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6631555557250977 seconds

Loss: 0.2248

Train Accuracy: 92.08%

Test Accuracy: 78.44%

Google Drive already mounted.

Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---

built data in 1.5669734477996826 seconds

LR changed during epoch: 1.44e-05 -> 9.57e-06

total runtime to train this model was 25.65617561340332 seconds

Hyperparameteres for model 9 at epoch 66

lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2188172340393066 seconds

Loss: 0.1970

Train Accuracy: 92.99%

Test Accuracy: 78.87%

Google Drive already mounted.

Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 66 Summary:

=====

Time: 296.36s (Avg member: 29.64s)

Population Mean Accuracy: 78.34%

Best Member Accuracy: 78.87%

Mean Batch Size: 256

Mean Learning Rate: 3.97e-04

Mean Weight Decay: 0.102

=====

Epoch 67/70

=====

--- Training Member 0 (Batch size: 256) ---

built data in 1.560934066772461 seconds

LR changed during epoch: 9.68e-05 -> 9.34e-05

total runtime to train this model was 25.401538133621216 seconds

Hyperparameteres for model 0 at epoch 67

lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.3192172050476074 seconds

Loss: 0.2899

Train Accuracy: 89.60%

Test Accuracy: 78.38%

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 1.5789306163787842 seconds

LR changed during epoch: 1.59e-04 -> 1.55e-04

total runtime to train this model was 25.83856725692749 seconds

Hyperparameteres for model 1 at epoch 67

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.28893780708313 seconds

Loss: 0.2656

Train Accuracy: 90.56%

Test Accuracy: 77.64%

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 1.5645945072174072 seconds

LR changed during epoch: 1.15e-04 -> 2.29e-04

total runtime to train this model was 25.5360164642334 seconds

Hyperparameteres for model 2 at epoch 67

lr: 0.0005703305524173996

weight_decay: 0.061271745187784665

drop_path: 0.035849332377670316

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.259711742401123 seconds

Loss: 0.3137

Train Accuracy: 88.75%

Test Accuracy: 77.38%

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 1.6935021877288818 seconds

LR changed during epoch: 4.67e-05 -> 9.32e-05
total runtime to train this model was 24.94541096687317 seconds
Hyperparameteres for model 3 at epoch 67
lr: 0.00023249885693761352

weight_decay: 0.10628333363078492

drop_path: 0.08730258200599518

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.1894023418426514 seconds
Loss: 0.2040
Train Accuracy: 92.94%
Test Accuracy: 78.67%
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 1.6487994194030762 seconds
LR changed during epoch: 1.27e-04 -> 1.24e-04
total runtime to train this model was 25.301301956176758 seconds
Hyperparameteres for model 4 at epoch 67
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6240055561065674 seconds
Loss: 0.2423
Train Accuracy: 91.47%
Test Accuracy: 78.03%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5862445831298828 seconds
LR changed during epoch: 7.91e-06 -> 4.89e-06
total runtime to train this model was 25.726643800735474 seconds
Hyperparameteres for model 5 at epoch 67
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2738914489746094 seconds
Loss: 0.1843

Train Accuracy: 93.67%
Test Accuracy: 78.52%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.5620198249816895 seconds
LR changed during epoch: 2.59e-04 -> 2.57e-04
total runtime to train this model was 25.382226705551147 seconds
Hyperparameteres for model 6 at epoch 67
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.191500425338745 seconds
Loss: 0.2786
Train Accuracy: 89.94%
Test Accuracy: 77.91%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.5805060863494873 seconds
LR changed during epoch: 4.01e-06 -> 2.70e-06
total runtime to train this model was 25.792500019073486 seconds
Hyperparameteres for model 7 at epoch 67
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.257155418395996 seconds
Loss: 0.2999
Train Accuracy: 89.21%
Test Accuracy: 78.50%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5836048126220703 seconds
LR changed during epoch: 4.75e-06 -> 3.11e-06
total runtime to train this model was 25.377026319503784 seconds
Hyperparameteres for model 8 at epoch 67
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2425780296325684 seconds
Loss: 0.2240
Train Accuracy: 92.15%
Test Accuracy: 78.56%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6575062274932861 seconds
LR changed during epoch: 9.57e-06 -> 5.82e-06
total runtime to train this model was 24.84656000137329 seconds
Hyperparameteres for model 9 at epoch 67
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0855765342712402 seconds
Loss: 0.1983
Train Accuracy: 92.96%
Test Accuracy: 78.75%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 67 Summary:
=====

Time: 297.56s (Avg member: 29.76s)
Population Mean Accuracy: 78.23%
Best Member Accuracy: 78.75%
Mean Batch Size: 256
Mean Learning Rate: 3.97e-04
Mean Weight Decay: 0.102

=====
Epoch 68/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.6451284885406494 seconds
LR changed during epoch: 9.34e-05 -> 8.99e-05
total runtime to train this model was 24.791304111480713 seconds
Hyperparameteres for model 0 at epoch 68
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0022568702697754 seconds

Loss: 0.2799

Train Accuracy: 89.90%

Test Accuracy: 78.45%

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 1.5828197002410889 seconds

LR changed during epoch: 1.55e-04 -> 1.51e-04

total runtime to train this model was 25.167052745819092 seconds

Hyperparameteres for model 1 at epoch 68

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.210170030593872 seconds

Loss: 0.2614

Train Accuracy: 90.69%

Test Accuracy: 78.23%

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 1.5591635704040527 seconds

LR changed during epoch: 2.29e-04 -> 3.43e-04

total runtime to train this model was 25.436946868896484 seconds

Hyperparameteres for model 2 at epoch 68

lr: 0.0005703305524173996

weight_decay: 0.061271745187784665

drop_path: 0.035849332377670316

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2996058464050293 seconds

Loss: 0.3700

Train Accuracy: 86.86%

Test Accuracy: 77.48%

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 1.5683984756469727 seconds

LR changed during epoch: 9.32e-05 -> 1.40e-04

total runtime to train this model was 25.279386281967163 seconds

Hyperparameteres for model 3 at epoch 68

lr: 0.00023249885693761352

weight_decay: 0.10628333363078492
drop_path: 0.08730258200599518
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.313098430633545 seconds
Loss: 0.2100
Train Accuracy: 92.46%
Test Accuracy: 78.33%
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 1.5520257949829102 seconds
LR changed during epoch: 1.24e-04 -> 1.22e-04
total runtime to train this model was 25.34541964530945 seconds
Hyperparameteres for model 4 at epoch 68
lr: 0.0001476547437756025

weight_decay: 0.15
drop_path: 0.08962183727544686
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.239854335784912 seconds
Loss: 0.2387
Train Accuracy: 91.60%
Test Accuracy: 78.83%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.5659911632537842 seconds
LR changed during epoch: 4.89e-06 -> 2.73e-06
total runtime to train this model was 25.122164011001587 seconds
Hyperparameteres for model 5 at epoch 68
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.1958200931549072 seconds
Loss: 0.1820
Train Accuracy: 93.58%
Test Accuracy: 78.54%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.642805814743042 seconds
LR changed during epoch: 2.57e-04 -> 2.55e-04
total runtime to train this model was 25.028813362121582 seconds
Hyperparameteres for model 6 at epoch 68
lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.333737373352051 seconds
Loss: 0.2741
Train Accuracy: 90.22%
Test Accuracy: 77.19%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.668642282485962 seconds
LR changed during epoch: 2.70e-06 -> 1.75e-06
total runtime to train this model was 24.98922872543335 seconds
Hyperparameteres for model 7 at epoch 68
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4886176586151123 seconds
Loss: 0.2990
Train Accuracy: 89.36%
Test Accuracy: 78.54%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.5780835151672363 seconds
LR changed during epoch: 3.11e-06 -> 1.94e-06
total runtime to train this model was 25.21135640144348 seconds
Hyperparameteres for model 8 at epoch 68
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.6034626960754395 seconds
Loss: 0.2203
Train Accuracy: 92.30%
Test Accuracy: 78.50%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.5689995288848877 seconds
LR changed during epoch: 5.82e-06 -> 3.14e-06
total runtime to train this model was 25.334299087524414 seconds
Hyperparameteres for model 9 at epoch 68
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096
drop_path: 0.10711621109107311
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.235158920288086 seconds
Loss: 0.1932
Train Accuracy: 93.07%
Test Accuracy: 78.73%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====
Epoch 68 Summary:
=====

Time: 295.07s (Avg member: 29.51s)
Population Mean Accuracy: 78.28%
Best Member Accuracy: 78.83%
Mean Batch Size: 256
Mean Learning Rate: 3.97e-04
Mean Weight Decay: 0.102

=====
Epoch 69/70
=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.555570125579834 seconds
LR changed during epoch: 8.99e-05 -> 8.65e-05
total runtime to train this model was 25.294200658798218 seconds
Hyperparameteres for model 0 at epoch 69
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761
drop_path: 0.08481086385192901
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2239856719970703 seconds

Loss: 0.2795
Train Accuracy: 90.06%
Test Accuracy: 78.40%
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 1.5615670680999756 seconds
LR changed during epoch: 1.51e-04 -> 1.46e-04
total runtime to train this model was 25.49919295310974 seconds
Hyperparameteres for model 1 at epoch 69
lr: 0.00020825860127866028

weight_decay: 0.14435176934465097
drop_path: 0.11530012633260366
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.283059597015381 seconds
Loss: 0.2544
Train Accuracy: 91.07%
Test Accuracy: 77.99%
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 1.5665614604949951 seconds
LR changed during epoch: 3.43e-04 -> 4.57e-04
total runtime to train this model was 25.339890956878662 seconds
Hyperparameteres for model 2 at epoch 69
lr: 0.0005703305524173996

weight_decay: 0.061271745187784665
drop_path: 0.035849332377670316
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2477283477783203 seconds
Loss: 0.4231
Train Accuracy: 84.61%
Test Accuracy: 75.96%
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 1.6628632545471191 seconds
LR changed during epoch: 1.40e-04 -> 1.86e-04
total runtime to train this model was 25.089390993118286 seconds
Hyperparameteres for model 3 at epoch 69
lr: 0.00023249885693761352

weight_decay: 0.10628333363078492
drop_path: 0.08730258200599518

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0290117263793945 seconds
Loss: 0.2388
Train Accuracy: 91.43%
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 1.6903316974639893 seconds
LR changed during epoch: 1.22e-04 -> 1.19e-04
total runtime to train this model was 24.699720859527588 seconds
Hyperparameteres for model 4 at epoch 69
lr: 0.0001476547437756025

weight_decay: 0.15
drop_path: 0.08962183727544686

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.0057120323181152 seconds
Loss: 0.2396
Train Accuracy: 91.36%
Test Accuracy: 78.63%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6185486316680908 seconds
LR changed during epoch: 2.73e-06 -> 1.43e-06
total runtime to train this model was 25.430928230285645 seconds
Hyperparameteres for model 5 at epoch 69
lr: 0.000744617784354611

weight_decay: 0.10775555825144972
drop_path: 0.014075201455211706

warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.309770107269287 seconds
Loss: 0.1809
Train Accuracy: 93.71%
Test Accuracy: 78.60%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.558525800704956 seconds
LR changed during epoch: 2.55e-04 -> 2.52e-04

total runtime to train this model was 25.518826246261597 seconds

Hyperparameteres for model 6 at epoch 69

lr: 0.00026431017220486037

weight_decay: 0.15

drop_path: 0.09671175255803495

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.27748966217041 seconds

Loss: 0.2648

Train Accuracy: 90.50%

Test Accuracy: 77.92%

Google Drive already mounted.

Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---

built data in 1.568812370300293 seconds

LR changed during epoch: 1.75e-06 -> 1.19e-06

total runtime to train this model was 25.650567531585693 seconds

Hyperparameteres for model 7 at epoch 69

lr: 0.0003254483220627616

weight_decay: 0.03661144032455608

drop_path: 0.09561584417607183

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.3639678955078125 seconds

Loss: 0.2993

Train Accuracy: 89.30%

Test Accuracy: 78.47%

Google Drive already mounted.

Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---

built data in 1.5644111633300781 seconds

LR changed during epoch: 1.94e-06 -> 1.23e-06

total runtime to train this model was 25.344480276107788 seconds

Hyperparameteres for model 8 at epoch 69

lr: 0.00040494956199654467

weight_decay: 0.07434010435189085

drop_path: 0.016515700739348226

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.2832460403442383 seconds

Loss: 0.2189

Train Accuracy: 92.38%

Test Accuracy: 78.54%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6439704895019531 seconds
LR changed during epoch: 3.14e-06 -> 1.53e-06
total runtime to train this model was 24.765483379364014 seconds
Hyperparameteres for model 9 at epoch 69
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.702293872833252 seconds
Loss: 0.1916
Train Accuracy: 93.20%
Test Accuracy: 78.85%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

=====

Epoch 69 Summary:

=====

Time: 295.82s (Avg member: 29.58s)
Population Mean Accuracy: 78.09%
Best Member Accuracy: 78.85%
Mean Batch Size: 256
Mean Learning Rate: 3.97e-04
Mean Weight Decay: 0.102

=====

Epoch 70/70

=====

--- Training Member 0 (Batch size: 256) ---
built data in 1.7082252502441406 seconds
LR changed during epoch: 8.65e-05 -> 8.30e-05
total runtime to train this model was 24.49569797515869 seconds
Hyperparameteres for model 0 at epoch 70
lr: 0.0001473299877196094

weight_decay: 0.10468957236440761

drop_path: 0.08481086385192901

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.4229910373687744 seconds
Loss: 0.2694
Train Accuracy: 90.32%
Test Accuracy: 78.57%
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 1.586421012878418 seconds

LR changed during epoch: 1.46e-04 -> 1.41e-04

total runtime to train this model was 25.261940002441406 seconds

Hyperparameteres for model 1 at epoch 70

lr: 0.00020825860127866028

weight_decay: 0.14435176934465097

drop_path: 0.11530012633260366

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.4636521339416504 seconds

Loss: 0.2499

Train Accuracy: 91.13%

Test Accuracy: 77.81%

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 1.5809078216552734 seconds

LR changed during epoch: 4.57e-04 -> 5.70e-04

total runtime to train this model was 25.61137294769287 seconds

Hyperparameteres for model 2 at epoch 70

lr: 0.0005703305524173996

weight_decay: 0.061271745187784665

drop_path: 0.035849332377670316

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____

evaluation in 2.263578414916992 seconds

Loss: 0.4627

Train Accuracy: 83.31%

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 1.575406551361084 seconds

LR changed during epoch: 1.86e-04 -> 2.32e-04

total runtime to train this model was 25.74172854423523 seconds

Hyperparameteres for model 3 at epoch 70

lr: 0.00023249885693761352

weight_decay: 0.10628333363078492

drop_path: 0.08730258200599518

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.2986552715301514 seconds
Loss: 0.2551
Train Accuracy: 90.79%
Test Accuracy: 77.74%
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 1.559338092803955 seconds
LR changed during epoch: 1.19e-04 -> 1.16e-04
total runtime to train this model was 25.59320044517517 seconds
Hyperparameteres for model 4 at epoch 70
lr: 0.0001476547437756025

weight_decay: 0.15

drop_path: 0.08962183727544686

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.273789167404175 seconds
Loss: 0.2322
Train Accuracy: 91.73%
Test Accuracy: 78.30%
Google Drive already mounted.
Member 4: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_4_seed_38042.pt

--- Training Member 5 (Batch size: 256) ---
built data in 1.6011438369750977 seconds
LR changed during epoch: 1.43e-06 -> 1.00e-06
total runtime to train this model was 25.35709857940674 seconds
Hyperparameteres for model 5 at epoch 70
lr: 0.000744617784354611

weight_decay: 0.10775555825144972

drop_path: 0.014075201455211706

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.29927396774292 seconds
Loss: 0.1783
Train Accuracy: 93.76%
Test Accuracy: 78.62%
Google Drive already mounted.
Member 5: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_5_seed_38042.pt

--- Training Member 6 (Batch size: 256) ---
built data in 1.6706085205078125 seconds
LR changed during epoch: 2.52e-04 -> 2.49e-04
total runtime to train this model was 24.843458652496338 seconds
Hyperparameteres for model 6 at epoch 70
lr: 0.00026431017220486037

weight_decay: 0.15
drop_path: 0.09671175255803495
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 3.233384370803833 seconds
Loss: 0.2568
Train Accuracy: 90.79%
Test Accuracy: 77.67%
Google Drive already mounted.
Member 6: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_6_seed_38042.pt

--- Training Member 7 (Batch size: 256) ---
built data in 1.6771025657653809 seconds
LR changed during epoch: 1.19e-06 -> 1.00e-06
total runtime to train this model was 25.16100811958313 seconds
Hyperparameteres for model 7 at epoch 70
lr: 0.0003254483220627616

weight_decay: 0.03661144032455608
drop_path: 0.09561584417607183
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.7903099060058594 seconds
Loss: 0.2952
Train Accuracy: 89.75%
Test Accuracy: 78.50%
Google Drive already mounted.
Member 7: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_7_seed_38042.pt

--- Training Member 8 (Batch size: 256) ---
built data in 1.6013405323028564 seconds
LR changed during epoch: 1.23e-06 -> 1.00e-06
total runtime to train this model was 25.38292121887207 seconds
Hyperparameteres for model 8 at epoch 70
lr: 0.00040494956199654467

weight_decay: 0.07434010435189085
drop_path: 0.016515700739348226
warmup_epochs: 5
batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.274991035461426 seconds
Loss: 0.2155
Train Accuracy: 92.41%
Test Accuracy: 78.56%
Google Drive already mounted.
Member 8: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_8_seed_38042.pt

--- Training Member 9 (Batch size: 256) ---
built data in 1.6669831275939941 seconds
LR changed during epoch: 1.53e-06 -> 1.00e-06
total runtime to train this model was 25.43226718902588 seconds
Hyperparameteres for model 9 at epoch 70
lr: 0.0009232671840293028

weight_decay: 0.08779119029990096

drop_path: 0.10711621109107311

warmup_epochs: 5

batch_size: 256

_____ end of hyperparam printing _____
evaluation in 2.314535140991211 seconds
Loss: 0.1876
Train Accuracy: 93.44%
Test Accuracy: 78.81%
Google Drive already mounted.
Member 9: Checkpoint saved to /content/drive/MyDrive/Colab_Checkpoints/pbt_checkpoints/model_9_seed_38042.pt

--- Population Update (Epoch 70) ---

==== PBT Exploit & Explore ====
Top performers: [78.81, 78.62]
Bottom performers: [77.67, 75.39]
Member 6 copied from 9
Member 6: lr changed from 0.00026431017220486037 to 0.00030054339003631283
Member 6: weight_decay changed from 0.15 to 0.13485140866238343
Member 6: drop_path changed from 0.09671175255803495 to 0.08156400109970464
Member 6 copied from 9
 LR=3.01e-04, WD=0.135, DropPath=0.082, Warmup=5 epochs, Batch=256
Member 2 copied from 5
Member 2: lr changed from 0.0005703305524173996 to 0.0003858872757478689
Member 2: weight_decay changed from 0.061271745187784665 to 0.07915911510246408
Member 2: drop_path changed from 0.035849332377670316 to 0.05440274412257304
Member 2 copied from 5
 LR=3.86e-04, WD=0.079, DropPath=0.054, Warmup=5 epochs, Batch=256

=====
Epoch 70 Summary:
=====

Time: 297.33s (Avg member: 29.73s)
Population Mean Accuracy: 78.00%
Best Member Accuracy: 78.81%
Mean Batch Size: 256
Mean Learning Rate: 3.82e-04
Mean Weight Decay: 0.103

=====
PBT TRAINING COMPLETE
=====

Best member: 9
Best accuracy: 78.81%

Best hyperparameters:
Learning Rate: 9.23e-04
Weight Decay: 0.088
Drop Path Rate: 0.107
Warmup Epochs: 5

Batch Size: 256

=====

PBT TIMING REPORT

=====

Overall Statistics	Value
Total runtime	22530.48s (375.51 min)
Number of epochs	70
Number of population updates	14

Epoch Timing	Value
Average epoch time	321.85s
Std epoch time	35.35s
Min epoch time	291.73s (epoch 57)
Max epoch time	397.86s (epoch 49)

Member Training Timing	Value
Average member time per epoch	32.18s
Total training time	22528.85s
Training efficiency	100.0%

Population Update Timing	Value
Average update time	0.03s
Total update time	0.43s
Update efficiency	0.0%

Batch Size Analysis	Avg Time	Samples
Batch size 256	32.18s	700

Per-Member Statistics	Avg Time	Total Time
Member 0	32.31s	2261.77s
Member 1	31.98s	2238.38s
Member 2	32.17s	2252.06s
Member 3	32.42s	2269.53s
Member 4	32.30s	2260.73s
Member 5	32.21s	2254.68s
Member 6	32.01s	2240.42s
Member 7	32.18s	2252.58s
Member 8	32.12s	2248.14s
Member 9	32.15s	2250.55s

=====

Experiment completed successfully!
Results saved to: pbt_vit_timing_results.png
Detailed timing saved to: pbt_detailed_timing.png