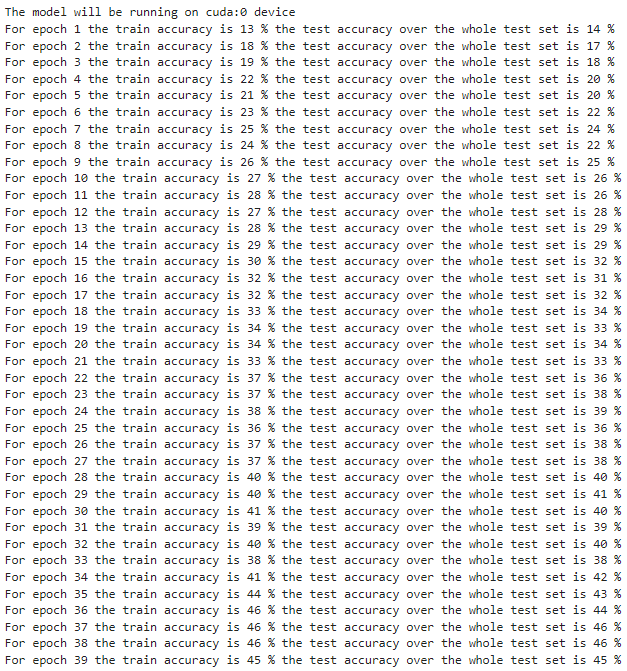
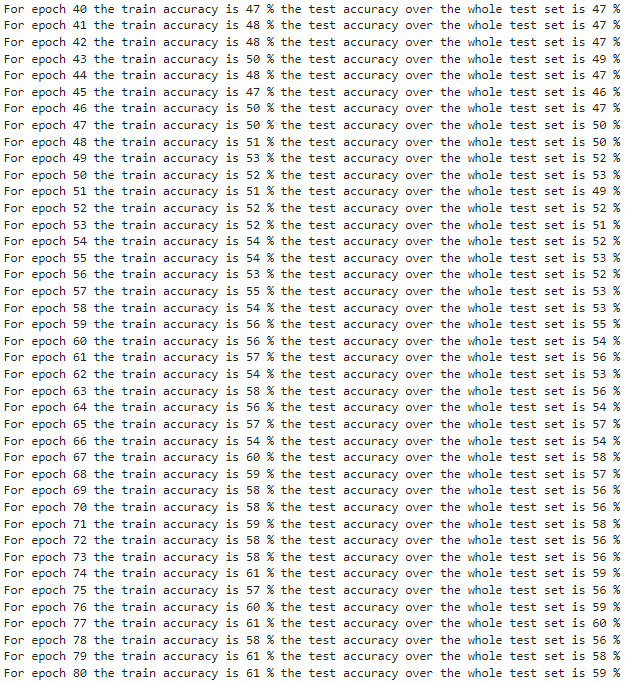
Training MobileNet: 80 epochs, 60% acc, bias=false, bs = 64, width = 224px,   
  


Reloaded

The model will be running on cuda:0 device

For epoch 1 the train accuracy is 44 % the test accuracy over the whole test set is 44 %

For epoch 2 the train accuracy is 52 % the test accuracy over the whole test set is 50 %

For epoch 3 the train accuracy is 55 % the test accuracy over the whole test set is 54 %

For epoch 4 the train accuracy is 58 % the test accuracy over the whole test set is 57 %

For epoch 5 the train accuracy is 60 % the test accuracy over the whole test set is 60 %

For epoch 6 the train accuracy is 60 % the test accuracy over the whole test set is 58 %

For epoch 7 the train accuracy is 60 % the test accuracy over the whole test set is 60 %

For epoch 8 the train accuracy is 62 % the test accuracy over the whole test set is 59 %

For epoch 9 the train accuracy is 63 % the test accuracy over the whole test set is 62 %

For epoch 10 the train accuracy is 63 % the test accuracy over the whole test set is 61 %

For epoch 11 the train accuracy is 63 % the test accuracy over the whole test set is 62 %

For epoch 12 the train accuracy is 63 % the test accuracy over the whole test set is 62 %

For epoch 13 the train accuracy is 65 % the test accuracy over the whole test set is 62 %

For epoch 14 the train accuracy is 64 % the test accuracy over the whole test set is 62 %

For epoch 15 the train accuracy is 65 % the test accuracy over the whole test set is 63 %

For epoch 16 the train accuracy is 66 % the test accuracy over the whole test set is 62 %

For epoch 17 the train accuracy is 66 % the test accuracy over the whole test set is 64 %

For epoch 18 the train accuracy is 66 % the test accuracy over the whole test set is 63 %

For epoch 19 the train accuracy is 67 % the test accuracy over the whole test set is 65 %

For epoch 20 the train accuracy is 67 % the test accuracy over the whole test set is 64 %

For epoch 21 the train accuracy is 67 % the test accuracy over the whole test set is 64 %

For epoch 22 the train accuracy is 68 % the test accuracy over the whole test set is 64 %

For epoch 23 the train accuracy is 68 % the test accuracy over the whole test set is 65 %

For epoch 24 the train accuracy is 66 % the test accuracy over the whole test set is 64 %

For epoch 25 the train accuracy is 67 % the test accuracy over the whole test set is 64 %

For epoch 26 the train accuracy is 69 % the test accuracy over the whole test set is 65 %

For epoch 27 the train accuracy is 70 % the test accuracy over the whole test set is 67 %

For epoch 28 the train accuracy is 69 % the test accuracy over the whole test set is 66 %

For epoch 29 the train accuracy is 70 % the test accuracy over the whole test set is 66 %

For epoch 30 the train accuracy is 70 % the test accuracy over the whole test set is 66 %

For epoch 31 the train accuracy is 69 % the test accuracy over the whole test set is 66 %

For epoch 32 the train accuracy is 71 % the test accuracy over the whole test set is 68 %

For epoch 33 the train accuracy is 72 % the test accuracy over the whole test set is 67 %

For epoch 34 the train accuracy is 70 % the test accuracy over the whole test set is 67 %

For epoch 35 the train accuracy is 71 % the test accuracy over the whole test set is 66 %

For epoch 36 the train accuracy is 71 % the test accuracy over the whole test set is 67 %

For epoch 37 the train accuracy is 69 % the test accuracy over the whole test set is 65 %

For epoch 38 the train accuracy is 72 % the test accuracy over the whole test set is 67 %

For epoch 39 the train accuracy is 72 % the test accuracy over the whole test set is 68 %

For epoch 40 the train accuracy is 72 % the test accuracy over the whole test set is 67 %

For epoch 41 the train accuracy is 72 % the test accuracy over the whole test set is 68 %

For epoch 42 the train accuracy is 72 % the test accuracy over the whole test set is 67 %

For epoch 43 the train accuracy is 73 % the test accuracy over the whole test set is 68 %

For epoch 44 the train accuracy is 71 % the test accuracy over the whole test set is 66 %

For epoch 45 the train accuracy is 73 % the test accuracy over the whole test set is 67 %

For epoch 46 the train accuracy is 74 % the test accuracy over the whole test set is 68 %

For epoch 47 the train accuracy is 74 % the test accuracy over the whole test set is 69 %

For epoch 48 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 49 the train accuracy is 74 % the test accuracy over the whole test set is 69 %

For epoch 50 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 51 the train accuracy is 74 % the test accuracy over the whole test set is 68 %

For epoch 52 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 53 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 54 the train accuracy is 74 % the test accuracy over the whole test set is 69 %

For epoch 55 the train accuracy is 74 % the test accuracy over the whole test set is 68 %

For epoch 56 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 57 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 58 the train accuracy is 75 % the test accuracy over the whole test set is 69 %

For epoch 59 the train accuracy is 76 % the test accuracy over the whole test set is 69 %

For epoch 60 the train accuracy is 76 % the test accuracy over the whole test set is 69 %

For epoch 61 the train accuracy is 76 % the test accuracy over the whole test set is 69 %

For epoch 62 the train accuracy is 77 % the test accuracy over the whole test set is 69 %

For epoch 63 the train accuracy is 77 % the test accuracy over the whole test set is 70 %

For epoch 64 the train accuracy is 76 % the test accuracy over the whole test set is 69 %

For epoch 65 the train accuracy is 77 % the test accuracy over the whole test set is 70 %

For epoch 66 the train accuracy is 76 % the test accuracy over the whole test set is 69 %

For epoch 67 the train accuracy is 77 % the test accuracy over the whole test set is 70 %

For epoch 68 the train accuracy is 77 % the test accuracy over the whole test set is 71 %

For epoch 69 the train accuracy is 78 % the test accuracy over the whole test set is 70 %

For epoch 70 the train accuracy is 78 % the test accuracy over the whole test set is 70 %

For epoch 71 the train accuracy is 78 % the test accuracy over the whole test set is 71 %

For epoch 72 the train accuracy is 77 % the test accuracy over the whole test set is 70 %

For epoch 73 the train accuracy is 78 % the test accuracy over the whole test set is 70 %

For epoch 74 the train accuracy is 78 % the test accuracy over the whole test set is 70 %

Simple Block batchsize 96 max acc 60%

Mix2 Adam

For epoch 1 the train accuracy is 22 % the test accuracy over the whole test set is 22 %

For epoch 2 the train accuracy is 30 % the test accuracy over the whole test set is 29 %

For epoch 3 the train accuracy is 31 % the test accuracy over the whole test set is 33 %

For epoch 4 the train accuracy is 35 % the test accuracy over the whole test set is 37 %

For epoch 5 the train accuracy is 42 % the test accuracy over the whole test set is 41 %

For epoch 6 the train accuracy is 40 % the test accuracy over the whole test set is 40 %

For epoch 7 the train accuracy is 51 % the test accuracy over the whole test set is 53 %

For epoch 8 the train accuracy is 47 % the test accuracy over the whole test set is 48 %

For epoch 9 the train accuracy is 50 % the test accuracy over the whole test set is 51 %

For epoch 10 the train accuracy is 54 % the test accuracy over the whole test set is 55 %

For epoch 11 the train accuracy is 56 % the test accuracy over the whole test set is 55 %

For epoch 12 the train accuracy is 48 % the test accuracy over the whole test set is 48 %

For epoch 13 the train accuracy is 53 % the test accuracy over the whole test set is 53 %

For epoch 14 the train accuracy is 64 % the test accuracy over the whole test set is 64 %

For epoch 15 the train accuracy is 66 % the test accuracy over the whole test set is 65 %

For epoch 16 the train accuracy is 61 % the test accuracy over the whole test set is 60 %

For epoch 17 the train accuracy is 62 % the test accuracy over the whole test set is 62 %

For epoch 18 the train accuracy is 67 % the test accuracy over the whole test set is 66 %

For epoch 19 the train accuracy is 67 % the test accuracy over the whole test set is 66 %

For epoch 20 the train accuracy is 67 % the test accuracy over the whole test set is 66 %

For epoch 21 the train accuracy is 68 % the test accuracy over the whole test set is 68 %

For epoch 22 the train accuracy is 71 % the test accuracy over the whole test set is 69 %

For epoch 23 the train accuracy is 62 % the test accuracy over the whole test set is 62 %

For epoch 24 the train accuracy is 72 % the test accuracy over the whole test set is 70 %

For epoch 25 the train accuracy is 73 % the test accuracy over the whole test set is 71 %

For epoch 26 the train accuracy is 71 % the test accuracy over the whole test set is 71 %

For epoch 27 the train accuracy is 71 % the test accuracy over the whole test set is 69 %

For epoch 28 the train accuracy is 75 % the test accuracy over the whole test set is 73 %

For epoch 29 the train accuracy is 78 % the test accuracy over the whole test set is 76 %

For epoch 30 the train accuracy is 77 % the test accuracy over the whole test set is 75 %

Try 3 Changed LR to 0.00024 to match consistency

The model will be running on cuda:0 device

For epoch 1 the train accuracy is 92 % the test accuracy over the whole test set is 85 %

For epoch 2 the train accuracy is 92 % the test accuracy over the whole test set is 84 %

For epoch 3 the train accuracy is 92 % the test accuracy over the whole test set is 85 %

For epoch 4 the train accuracy is 92 % the test accuracy over the whole test set is 84 %

For epoch 5 the train accuracy is 93 % the test accuracy over the whole test set is 84 %

For epoch 6 the train accuracy is 93 % the test accuracy over the whole test set is 85 %

For epoch 7 the train accuracy is 93 % the test accuracy over the whole test set is 86 %

For epoch 8 the train accuracy is 92 % the test accuracy over the whole test set is 85 %

For epoch 9 the train accuracy is 93 % the test accuracy over the whole test set is 85 %

For epoch 10 the train accuracy is 93 % the test accuracy over the whole test set is 84 %

For epoch 11 the train accuracy is 93 % the test accuracy over the whole test set is 85 %

For epoch 12 the train accuracy is 94 % the test accuracy over the whole test set is 85 %

For epoch 13 the train accuracy is 94 % the test accuracy over the whole test set is 86 %

For epoch 14 the train accuracy is 94 % the test accuracy over the whole test set is 85 %

For epoch 15 the train accuracy is 94 % the test accuracy over the whole test set is 86 %

For epoch 16 the train accuracy is 94 % the test accuracy over the whole test set is 85 %

For epoch 17 the train accuracy is 95 % the test accuracy over the whole test set is 85 %

For epoch 18 the train accuracy is 95 % the test accuracy over the whole test set is 86 %

For epoch 19 the train accuracy is 94 % the test accuracy over the whole test set is 85 %

For epoch 20 the train accuracy is 94 % the test accuracy over the whole test set is 85 %

For epoch 21 the train accuracy is 95 % the test accuracy over the whole test set is 86 %

For epoch 22 the train accuracy is 95 % the test accuracy over the whole test set is 85 %

For epoch 23 the train accuracy is 95 % the test accuracy over the whole test set is 86 %

For epoch 24 the train accuracy is 95 % the test accuracy over the whole test set is 86 %

For epoch 25 the train accuracy is 95 % the test accuracy over the whole test set is 85 %

ResNet comparison

For epoch 1 the train accuracy is 57 % the test accuracy over the whole test set is 55 %

For epoch 2 the train accuracy is 44 % the test accuracy over the whole test set is 47 %

For epoch 3 the train accuracy is 65 % the test accuracy over the whole test set is 65 %

For epoch 4 the train accuracy is 69 % the test accuracy over the whole test set is 68 %

For epoch 5 the train accuracy is 74 % the test accuracy over the whole test set is 72 %

For epoch 6 the train accuracy is 70 % the test accuracy over the whole test set is 67 %

For epoch 7 the train accuracy is 74 % the test accuracy over the whole test set is 71 %

For epoch 8 the train accuracy is 73 % the test accuracy over the whole test set is 68 %

For epoch 9 the train accuracy is 78 % the test accuracy over the whole test set is 74 %

For epoch 10 the train accuracy is 76 % the test accuracy over the whole test set is 73 %

For epoch 11 the train accuracy is 77 % the test accuracy over the whole test set is 72 %

For epoch 12 the train accuracy is 75 % the test accuracy over the whole test set is 72 %

For epoch 13 the train accuracy is 81 % the test accuracy over the whole test set is 77 %

For epoch 14 the train accuracy is 84 % the test accuracy over the whole test set is 79 %

For epoch 15 the train accuracy is 86 % the test accuracy over the whole test set is 80 %

For epoch 16 the train accuracy is 84 % the test accuracy over the whole test set is 78 %

For epoch 17 the train accuracy is 87 % the test accuracy over the whole test set is 80 %

For epoch 18 the train accuracy is 74 % the test accuracy over the whole test set is 69 %

For epoch 19 the train accuracy is 88 % the test accuracy over the whole test set is 80 %

For epoch 20 the train accuracy is 88 % the test accuracy over the whole test set is 81 %

For epoch 21 the train accuracy is 88 % the test accuracy over the whole test set is 79 %

For epoch 22 the train accuracy is 87 % the test accuracy over the whole test set is 79 %

For epoch 23 the train accuracy is 90 % the test accuracy over the whole test set is 82 %

For epoch 24 the train accuracy is 87 % the test accuracy over the whole test set is 79 %

For epoch 25 the train accuracy is 92 % the test accuracy over the whole test set is 83 %

For epoch 26 the train accuracy is 91 % the test accuracy over the whole test set is 82 %

For epoch 27 the train accuracy is 90 % the test accuracy over the whole test set is 80 %

For epoch 28 the train accuracy is 94 % the test accuracy over the whole test set is 84 %

For epoch 29 the train accuracy is 92 % the test accuracy over the whole test set is 80 %

For epoch 30 the train accuracy is 91 % the test accuracy over the whole test set is 81 %

For epoch 31 the train accuracy is 89 % the test accuracy over the whole test set is 80 %

For epoch 32 the train accuracy is 94 % the test accuracy over the whole test set is 83 %

For epoch 33 the train accuracy is 94 % the test accuracy over the whole test set is 83 %

For epoch 34 the train accuracy is 94 % the test accuracy over the whole test set is 84 %

For epoch 35 the train accuracy is 93 % the test accuracy over the whole test set is 81 %

For epoch 36 the train accuracy is 96 % the test accuracy over the whole test set is 84 %

For epoch 37 the train accuracy is 93 % the test accuracy over the whole test set is 83 %

For epoch 38 the train accuracy is 94 % the test accuracy over the whole test set is 83 %

For epoch 39 the train accuracy is 96 % the test accuracy over the whole test set is 86 %

For epoch 40 the train accuracy is 95 % the test accuracy over the whole test set is 82 %

The average accuracy over 40 runs is 77.23

Proposal

Block contains a 3-way divergence

One for residual

Second to perform regular conv + intermediate layers on

Third one is to capture finer details on?

Combine all 3 together

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Size |  |  |  |  |
| 224\*\*2 |  |  |  |  |
| 112\*2 |  |  |  |  |
|  |  |  |  |  |

Runs 40-80

The model will be running on cuda:0 device

For epoch 1 the train accuracy is 53 % the test accuracy over the whole test set is 52 %

For epoch 2 the train accuracy is 52 % the test accuracy over the whole test set is 50 %

For epoch 3 the train accuracy is 54 % the test accuracy over the whole test set is 52 %

For epoch 4 the train accuracy is 58 % the test accuracy over the whole test set is 55 %

For epoch 5 the train accuracy is 59 % the test accuracy over the whole test set is 55 %

For epoch 6 the train accuracy is 61 % the test accuracy over the whole test set is 58 %

For epoch 7 the train accuracy is 61 % the test accuracy over the whole test set is 59 %

For epoch 8 the train accuracy is 63 % the test accuracy over the whole test set is 59 %

For epoch 9 the train accuracy is 66 % the test accuracy over the whole test set is 61 %

For epoch 10 the train accuracy is 66 % the test accuracy over the whole test set is 61 %

For epoch 11 the train accuracy is 67 % the test accuracy over the whole test set is 63 %

For epoch 12 the train accuracy is 68 % the test accuracy over the whole test set is 63 %

For epoch 13 the train accuracy is 65 % the test accuracy over the whole test set is 60 %

For epoch 14 the train accuracy is 67 % the test accuracy over the whole test set is 61 %

For epoch 15 the train accuracy is 70 % the test accuracy over the whole test set is 64 %

For epoch 16 the train accuracy is 72 % the test accuracy over the whole test set is 65 %

For epoch 17 the train accuracy is 68 % the test accuracy over the whole test set is 63 %

For epoch 18 the train accuracy is 70 % the test accuracy over the whole test set is 64 %

For epoch 19 the train accuracy is 72 % the test accuracy over the whole test set is 64 %

For epoch 20 the train accuracy is 73 % the test accuracy over the whole test set is 66 %

For epoch 21 the train accuracy is 73 % the test accuracy over the whole test set is 64 %

For epoch 22 the train accuracy is 72 % the test accuracy over the whole test set is 65 %

For epoch 23 the train accuracy is 74 % the test accuracy over the whole test set is 67 %

For epoch 24 the train accuracy is 73 % the test accuracy over the whole test set is 66 %

For epoch 25 the train accuracy is 75 % the test accuracy over the whole test set is 66 %

For epoch 26 the train accuracy is 77 % the test accuracy over the whole test set is 67 %

For epoch 27 the train accuracy is 74 % the test accuracy over the whole test set is 66 %

For epoch 28 the train accuracy is 74 % the test accuracy over the whole test set is 67 %

For epoch 29 the train accuracy is 78 % the test accuracy over the whole test set is 67 %

For epoch 30 the train accuracy is 74 % the test accuracy over the whole test set is 66 %

For epoch 31 the train accuracy is 78 % the test accuracy over the whole test set is 67 %

For epoch 32 the train accuracy is 77 % the test accuracy over the whole test set is 66 %

For epoch 33 the train accuracy is 80 % the test accuracy over the whole test set is 68 %

For epoch 34 the train accuracy is 78 % the test accuracy over the whole test set is 67 %

For epoch 35 the train accuracy is 79 % the test accuracy over the whole test set is 68 %

For epoch 36 the train accuracy is 80 % the test accuracy over the whole test set is 68 %

For epoch 37 the train accuracy is 79 % the test accuracy over the whole test set is 68 %

For epoch 38 the train accuracy is 81 % the test accuracy over the whole test set is 68 %

For epoch 39 the train accuracy is 80 % the test accuracy over the whole test set is 67 %

For epoch 40 the train accuracy is 83 % the test accuracy over the whole test set is 68 %

The average accuracy over 40 runs is 63.68