
Results on Running a Simple Model with CIFAR-10

Gobind Puniani
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TLALOC Run

- ❖ FastAI implementation (Vision module)
 - ❖ Simplest architecture: resnet18 model
 - ❖ 100 epochs
 - ❖ LR adjustment required
 - ❖ CIFAR-10 dataset

Results

Epoch	Training Loss	Test Loss	Accuracy	Time
0	1.448603	1.379385	0.506400	00:09
1	1.192332	1.255904	0.550200	00:09
2	1.035958	1.232100	0.569200	00:09
3	0.865826	1.242473	0.577600	00:09
...				
48	0.046409	1.546514	0.748500	00:10
49	0.042455	1.522164	0.750600	00:10
50	0.043994	1.572969	0.752400	00:10
51	0.039569	1.550324	0.752400	00:10
...				
95	0.000016	2.273737	0.773200	00:10
96	0.000004	2.264497	0.773900	00:10
97	0.000004	2.268331	0.774400	00:10
98	0.000003	2.272552	0.774700	00:10
99	0.000006	2.297182	0.773300	00:10

Conclusion

- ❖ Only required ~15 minutes to run
- ❖ Next step: incorporate activation functions in Python script for skeleton model