

Training on single CPU.

Initializing image normalization.

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Epoch	Iteration	Time Elapsed	Mini-batch	✓	
Validation	Mini-batch	Validation	Base Learning		
		(seconds)	Loss	Loss ✓	
Accuracy	Accuracy	Rate			
===== ✓					
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1	1	6.18	2.5588	✓	
2.4382	11.72%	11.96%	0.0010		
1	50	223.36	1.6929	✓	
34.38%		0.0010			
1	100	388.89	1.6846	✓	
39.84%		0.0010			
1	150	569.37	1.1847	✓	
59.38%		0.0010			
1	200	751.27	1.3210	✓	
51.56%		0.0010			
1	250	934.32	1.2672	✓	
47.66%		0.0010			
1	300	1118.73	1.1410	✓	
58.59%		0.0010			
1	350	1295.14	1.1455	✓	
60.94%		0.0010			
2	352	1302.24	1.1923	✓	
1.2067	53.13%	57.82%	0.0010		
2	400	1518.11	1.1119	✓	
60.94%		0.0010			
2	450	1697.98	1.0484	✓	
60.94%		0.0010			
2	500	1873.00	1.1609	✓	
56.25%		0.0010			
2	550	2050.33	0.9661	✓	
65.63%		0.0010			
2	600	2233.04	1.2695	✓	
53.13%		0.0010			
2	650	2414.90	1.1283	✓	
56.25%		0.0010			
2	700	2592.63	1.1897	✓	

1.1020	59.38%	3	704	2607.04	0.9985	✓
	67.19%	3	750	2819.49	0.9347	✓
	61.72%	3	800	2997.44	0.9302	✓
	70.31%	3	850	3176.09	0.9688	✓
	60.94%	3	900	3355.74	1.0353	✓
	70.31%	3	950	3539.50	0.7848	✓
	67.19%	3	1000	3716.86	0.8962	✓
	68.75%	4	1050	3899.10	0.8736	✓
			1056	3921.51	1.0234	✓
1.0333	64.84%		64.10%	0.0010		
		4	1100	4128.35	0.8258	✓
	71.88%					
		4	1150	4306.49	0.8511	✓
	69.53%					
		4	1200	4483.39	0.9720	✓
	64.84%					
		4	1250	4660.73	0.9587	✓
	70.31%					
		4	1300	4840.31	0.8514	✓
	70.31%					
		4	1350	5019.19	0.9445	✓
	70.31%					
		4	1400	5201.17	0.7912	✓
	70.31%					
		5	1408	5229.41	0.8129	✓
1.0019	71.88%		65.42%	0.0010		
		5	1450	5428.06	0.8621	✓
	75.00%					
		5	1500	5603.49	0.7845	✓
	71.88%					
		5	1550	5781.90	0.9320	✓
	61.72%					

5	1600	5963.49	0.9361	✓
70.31%		0.0010		
5	1650	6143.54	0.8869	✓
67.97%		0.0010		
5	1700	6323.10	0.7545	✓
75.00%		0.0010		
5	1750	6499.55	0.6440	✓
79.69%		0.0010		
6	1760	6535.30	0.9155	✓
0.9901	64.84%	66.24%	0.0010	
6	1800	6724.23	0.8221	✓
71.09%		0.0010		
6	1850	6906.17	0.7782	✓
77.34%		0.0010		
6	1900	7086.61	0.8745	✓
70.31%		0.0010		
6	1950	7263.06	0.8384	✓
74.22%		0.0010		
6	2000	7443.24	0.7864	✓
69.53%		0.0010		
6	2050	7650.67	0.9750	✓
62.50%		0.0010		
6	2100	7848.65	0.8180	✓
70.31%		0.0010		
7	2112	7892.81	0.8264	✓
0.9797	71.88%	66.98%	0.0010	
7	2150	8075.37	0.7274	✓
75.00%		0.0010		
7	2200	8254.73	0.7569	✓
75.78%		0.0010		
7	2250	8432.17	0.8227	✓
72.66%		0.0010		
7	2300	8610.53	0.7429	✓
71.88%		0.0010		
7	2350	8788.70	0.7637	✓
79.69%		0.0010		
7	2400	8968.81	0.8127	✓
70.31%		0.0010		
7	2450	9145.42	0.6927	✓
75.00%		0.0010		
8	2464	9196.15	0.9280	✓

0.9707	71.09%	67.18%	0.0010
	8	2500	9367.84 0.6589 ✓
	77.34%		0.0010
	8	2550	9553.65 0.6596 ✓
	73.44%		0.0010
	8	2600	9731.74 0.6828 ✓
	75.78%		0.0010
	8	2650	9911.86 0.6331 ✓
	75.78%		0.0010
	8	2700	10087.36 0.7791 ✓
	68.75%		0.0010
	8	2750	10268.42 0.7316 ✓
	75.78%		0.0010
	8	2800	10448.31 0.8869 ✓
	67.19%		0.0010
	9	2816	10505.76 0.7148 ✓
0.9680	78.91%	67.22%	0.0010
	9	2850	10671.89 0.7570 ✓
	70.31%		0.0010
	9	2900	10854.36 0.7659 ✓
	71.88%		0.0010
	9	2950	11032.16 0.7652 ✓
	73.44%		0.0010
	9	3000	11210.84 0.7578 ✓
	73.44%		0.0010
	9	3050	11393.42 0.6033 ✓
	79.69%		0.0010
	9	3100	11572.37 0.6897 ✓
	71.09%		0.0010
	9	3150	11752.96 0.6023 ✓
	78.13%		0.0010
	10	3168	11817.69 0.8853 ✓
0.9560	69.53%	67.74%	0.0010
	10	3200	11980.24 0.6174 ✓
	78.91%		0.0010
	10	3250	12160.21 0.5974 ✓
	84.38%		0.0010
	10	3300	12342.78 0.7898 ✓
	79.69%		0.0010
	10	3350	12524.24 0.6457 ✓
	74.22%		0.0010

10	3400	12706.74	0.7770	✓
69.53%		0.0010		
10	3450	12886.85	0.6548	✓
78.13%		0.0010		
10	3500	13070.35	0.7274	✓
76.56%		0.0010		
11	3520	13143.06	0.7684	✓
0.9463	75.00%	68.30%	0.0010	
11	3550	13292.43	0.7736	✓
74.22%		0.0010		
11	3600	13472.38	0.6825	✓
78.13%		0.0010		
11	3650	13650.77	0.7099	✓
76.56%		0.0010		
11	3700	13828.95	0.8158	✓
75.78%		0.0010		
11	3750	14007.30	0.6836	✓
73.44%		0.0010		
11	3800	14187.47	0.6868	✓
75.00%		0.0010		
11	3850	14362.64	0.6899	✓
78.91%		0.0010		
12	3872	14440.58	0.7425	✓
0.9440	72.66%	68.36%	0.0010	
12	3900	14585.79	0.6456	✓
78.91%		0.0010		
12	3950	14761.72	0.5538	✓
78.13%		0.0010		
12	4000	14938.30	0.6844	✓
78.13%		0.0010		
12	4050	15116.05	0.7005	✓
75.78%		0.0010		
12	4100	15295.21	0.6664	✓
75.78%		0.0010		
12	4150	15476.23	0.6787	✓
75.78%		0.0010		
12	4200	15653.78	0.7370	✓
73.44%		0.0010		
13	4224	15738.98	0.8184	✓
0.9394	72.66%	68.40%	0.0010	
13	4250	15878.50	0.6136	✓

81.25%		0.0010	
13	4300	16055.04	0.7525 ✓
78.13%		0.0010	
13	4350	16230.50	0.7539 ✓
70.31%		0.0010	
13	4400	16407.67	0.5885 ✓
80.47%		0.0010	
13	4450	16586.06	0.6087 ✓
79.69%		0.0010	
13	4500	16766.18	0.7080 ✓
74.22%		0.0010	
13	4550	16944.05	0.6880 ✓
75.00%		0.0010	
14	4576	17036.99	0.6896 ✓
0.9419	75.78%	68.36%	0.0010
14	4600	17170.94	0.6669 ✓
78.13%		0.0010	
14	4650	17350.57	0.8177 ✓
73.44%		0.0010	
14	4700	17528.75	0.7202 ✓
75.00%		0.0010	
14	4750	17705.21	0.6771 ✓
78.91%		0.0010	
14	4800	17882.59	0.6886 ✓
75.00%		0.0010	
14	4850	18065.67	0.6396 ✓
76.56%		0.0010	
14	4900	18242.85	0.8056 ✓
66.41%		0.0010	
15	4928	18342.92	0.7077 ✓
0.9492	73.44%	68.40%	0.0010
15	4950	18466.67	0.5304 ✓
78.91%		0.0010	
15	5000	18646.97	0.6093 ✓
78.13%		0.0010	
15	5050	18822.81	0.5498 ✓
78.91%		0.0010	
15	5100	19003.36	0.7047 ✓
76.56%		0.0010	
15	5150	19177.46	0.7393 ✓
78.13%		0.0010	

	15		5200		19355.84		0.6614		✓
	79.69%				0.0010				
	15		5250		19534.39		0.6793		✓
	76.56%				0.0010				
	16		5280		19641.78		0.6104		✓
0.9561		75.78%		68.34%		0.0010			
	16		5300		19759.61		0.7619		✓
	76.56%				0.0010				
	16		5350		19940.41		0.5955		✓
	82.81%				0.0010				
	16		5400		20117.59		0.5473		✓
	82.03%				0.0010				
	16		5450		20303.21		0.6314		✓
	74.22%				0.0010				
	16		5500		20480.98		0.6793		✓
	73.44%				0.0010				
	16		5550		20661.12		0.5158		✓
	83.59%				0.0010				
	16		5600		20835.76		0.6673		✓
	78.13%				0.0010				
	17		5632		20948.94		0.7781		✓
0.9669		78.13%		68.28%		0.0010			
	17		5650		21059.61		0.5801		✓
	82.81%				0.0010				
	17		5700		21236.85		0.5388		✓
	82.81%				0.0010				
	17		5750		21414.34		0.5923		✓
	75.78%				0.0010				
	17		5800		21592.28		0.5989		✓
	74.22%				0.0010				
	17		5850		21770.88		0.5572		✓
	83.59%				0.0010				
	17		5900		21947.82		0.5304		✓
	79.69%				0.0010				
	17		5950		22124.43		0.5856		✓
	81.25%				0.0010				
	18		5984		22245.99		0.7014		✓
0.9670		75.00%		68.34%		0.0010			
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