

# CIFAR Corrupted vs Uncorrupted Report

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### Analysis of Accuracy on Training & Testing Data

corruption level	Train accuracy on corrupted train-data			Test accuracy on corrupted test data			Test accuracy on true data
	corrupted	un-corrupted	full	corrupted	un-corrupted	full	
0%	-NIL-	-NIL-	0.95442	-NIL-	-NIL-	0.8662	0.8662
10%	0.55124654	0.9000356	0.86478	0.10766246	0.77645222	0.7075	0.7768
20%	0.46677939	0.84376408	0.76796	0.09653827	0.68297899	0.5627	0.6795
30%	0.41067625	0.78656793	0.67362	0.10491368	0.60975959	0.4577	0.6098
40%	0.37560072	0.70580203	0.57388	0.10441362	0.52858326	0.3604	0.5246
50%	0.33182546	0.60291767	0.46748	0.10548608	0.4194764	0.2638	0.4155

### Analysis of Cross Entropy Loss on Training & Testing Data

corruption level	Train cross entropy loss on train-data			Test cross entropy loss on test-data			Test CE loss on true data
	corrupted	un-corrupted	full	corrupted	un-corrupted	full	
0%	-NIL-	-NIL-	0.1290446	-NIL-	-NIL-	0.4980646	0.4980646
10%	1.5854	0.3017	0.4314	8.2784	0.8746	1.6379	0.8775254
20%	2.0046	0.4785	0.7854	7.1067	1.2291	2.4346	1.2508350
30%	2.4172	0.6769	1.1998	6.7740	1.5484	3.1224	1.5542764
40%	2.5966	0.9664	1.6176	6.1238	1.8382	3.5374	1.8701844
50%	2.8303	1.3327	2.0809	5.7192	2.4087	4.0500	2.4335535