NUM EPOCHS = 1

BATCH SIZE = 4

TRAINER ALGORITHM	MLP ~ 1M Params		CONV ~ 450K Params	
SingleTrainer	25.00%	248 secs/epoch	15.26%	238 secs/epoch
DOWNPOUR	84.47%	802 secs/epoch	87.71%	434 secs/epoch
ADAG	85.15%	609 secs/epoch	85.87%	382 secs/epoch
AEASGD	81.50%	589 secs/epoch	85.35%	382 secs/epoch

BATCH SIZE = 8

TRAINER ALGORITHM	MLP		CONV	
SingleTrainer	24.43%	141 secs/epoch	15.96%	135 secs/epoch
DOWNPOUR	83.17%	518 secs/epoch	85.47%	353 secs/epoch
ADAG	84.69%	446 secs/epoch	83.71%	301 secs/epoch
AEASGD	83.82%	438 secs/epoch	85.33%	291 secs/epoch

BATCH SIZE = 16

TRAINER ALGORITHM	MLP		CONV	
SingleTrainer	28.64%	46 secs/epoch	16.42%	41 secs/epoch
DOWNPOUR	78.92%	412 secs/epoch	83.69%	272 secs/epoch
ADAG	83.76%	368 secs/epoch	82.29%	270 secs/epoch
AEASGD	83.72%	374 secs/epoch	84.58%	354 secs/epoch

BATCH SIZE = 32

TRAINER ALGORITHM	MLP		CONV	
SingleTrainer	30.03%	34 secs/epoch	33.35%	29 secs/epoch
DOWNPOUR	72.96%	332 secs/epoch	79.36%	271 secs/epoch
ADAG	82.88%	321 secs/epoch	80.76%	263 sec/epoch
AEASGD	80.15%	332 secs/epoch	82.34%	230 sec/epoch

BATCH SIZE = 64

TRAINER ALGORITHM	MLP		CONV	
SingleTrainer	34.40%	11 secs/epoch	19.83%	9 secs/epoch
DOWNPOUR	50.83%	319 secs/epoch	70.85%	230 secs/epoch
ADAG	82.62%	315 secs/epoch	77.37%	213 secs/epoch
AEASGD	83.41%	317 secs/epoch	80.00%	231 secs/epoch

NUM EPOCHS = 1

BATCH SIZE = 4

TRAINER ALGORITHM	MLP ~ 1M Params		CONV ~ 450K Params	
SingleTrainer	12.73%	713 secs/epoch	9.96%	861 secs/epoch
DOWNPOUR	12.73%	2930 secs/epoch	14.61%	1873 secs/epoch
ADAG	9.47%	1707 secs/epoch	15.06%	1107 secs/epoch
AEASGD	6.93%	1635 secs/epoch	14.37%	994 secs/epoch

BATCH SIZE = 8

TRAINER ALGORITHM	MLP		CONV	
SingleTrainer	12.72%	151 secs/epoch	9.96%	408 secs/epoch
DOWNPOUR	12.73%	1654 secs/epoch	14.57%	1280 secs/epoch
ADAG	8.84%	1355 secs/epoch	15.11%	948 secs/epoch
AEASGD	8.27%	1170 secs/epoch	13.79%	763 secs/epoch

BATCH SIZE = 16

TRAINER ALGORITHM	MLP		CONV	
SingleTrainer	12.73%	62 secs/epoch	9.96%	372 secs/epoch
DOWNPOUR	12.73%	1596 secs/epoch	14.44%	969 secs/epoch
ADAG	8.26%	1211 secs/epoch	14.86%	810 secs/epoch
AEASGD	8.02%	1210 secs/epoch	13.51%	751 secs/epoch

TRAINER ALGORITHM	BATCH SIZE = 32			
	MLP		CONV	
SingleTrainer	12.73%	13 secs/epoch	9.96%	337 secs/epoch
DOWNPOUR	12.73%	1275 secs/epoch	13.78%	799 secs/epoch
ADAG	8.18%	1202 secs/epoch	14.12%	781 secs/epoch
AEASGD	7.21%	1147 secs/epoch	14.01%	714 secs/epoch

TRAINER ALGORITHM	BATCH SIZE = 64			
	MLP		CONV	
SingleTrainer	12.73%	13 secs/epoch	9.96%	242 secs/epoch
DOWNPOUR	12.72%	1137 secs/epoch	12.86%	739 secs/epoch
ADAG	7.51%	1117 secs/epoch	13.21%	736 secs/epoch
AEASGD	4.69%	1048 secs/epoch	12.87%	701 secs/epoch