FEMNIST LeNet

Parameters	Value
Optimizer	Adam
LR	5e-5
Early Stop Patience	20

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
32	0.1	2	0.80388	0:24:37	754
32	0.1	4	0.81265	0:14:52	451
32	0.1	8	0.81003	0:12:24	301
32	0.1	16	0.75526	0:06:22	112
32	0.1	32	0.81065	0:09:38	124
32	0.1	64	0.82095	0:18:04	177
16	0.1	2	0.81546	0:19:46	599
16	0.1	4	0.82184	0:13:28	402
16	0.1	8	0.79273	0:07:35	181
16	0.1	16	0.8045	0:08:00	138
16	0.1	32	0.82173	0:10:14	144
16	0.1	64	0.82365	0:11:32	125
8	0.1	2	0.83273	0:16:36	473
8	0.1	4	0.83009	0:09:35	259
8	0.1	8	0.82629	0:07:51	181
8	0.1	16	0.81661	0:06:46	114
8	0.1	32	0.82302	0:09:04	131
8	0.1	64	0.82572	0:08:45	90
4	0.1	2	0.84272	0:11:21	331
4	0.1	4	0.82583	0:07:22	187
4	0.1	8	0.81537	0:06:56	135
4	0.1	16	0.83495	0:06:21	101
4	0.1	32	0.84312	0:10:53	144
4	0.1	64	0.84013	0:15:02	151
2	0.1	2	0.83647	0:08:24	229
2	0.1	4	0.84012	0:06:12	141

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
2	0.1	8	0.83833	0:07:35	132
2	0.1	16	0.83747	0:08:46	113
2	0.1	32	0.83305	0:09:23	95
2	0.1	64	0.82328	0:11:15	85

MNIST MLP

Parameters	Value
Optimizer	Adam
LR	5e-5
Early Stop Patience	20

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
32	0.1	2	0.98167	0:31:48	247
32	0.1	4	0.98333	0:19:18	146
32	0.1	8	0.98467	0:21:38	159
32	0.1	16	0.98567	0:18:11	125
32	0.1	32	0.98533	0:14:53	98
32	0.1	64	0.985	0:13:46	86
16	0.1	2	0.984	0:28:17	217
16	0.1	4	0.98567	0:23:24	175
16	0.1	8	0.985	0:17:54	127
16	0.1	16	0.986	0:14:07	93
16	0.1	32	0.985	0:14:52	92
16	0.1	64	0.987	0:18:09	104
8	0.1	2	0.983	0:18:35	139
8	0.1	4	0.984	0:14:39	105
8	0.1	8	0.98767	0:19:13	131
8	0.1	16	0.983	0:13:21	79
8	0.1	32	0.986	0:13:46	76
8	0.1	64	0.984	0:15:16	75
4	0.1	2	0.98333	0:14:57	108
4	0.1	4	0.984	0:15:32	104
4	0.1	8	0.98367	0:15:22	92
4	0.1	16	0.98333	0:15:57	78
4	0.1	32	0.986	0:21:51	94
4	0.1	64	0.98433	0:20:35	75
2	0.1	2	0.98667	0:17:46	119
2	0.1	4	0.98733	0:19:46	114

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
2	0.1	8	0.98533	0:20:29	95
2	0.1	16	0.98333	0:21:23	70
2	0.1	32	0.98	0:19:40	55
2	0.1	64	0.98067	0:20:36	54

MNIST LeNet

Parameters	Value
Optimizer	Adam
LR	5e-5
Early Stop Patience	20

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
32	0.1	2	0.994	0:14:07	430
32	0.1	4	0.989	0:07:58	215
32	0.1	8	0.99467	0:11:03	230
32	0.1	16	0.99133	0:10:13	173
32	0.1	32	0.99333	0:12:56	162
32	0.1	64	0.993	0:12:23	113
16	0.1	2	0.99133	0:08:28	254
16	0.1	4	0.99333	0:10:36	281
16	0.1	8	0.988	0:05:16	98
16	0.1	16	0.99333	0:07:42	113
16	0.1	32	0.99433	0:13:27	154
16	0.1	64	0.99433	0:15:26	121
8	0.1	2	0.99333	0:09:48	281
8	0.1	4	0.995	0:06:19	150
8	0.1	8	0.994	0:08:37	160
8	0.1	16	0.99333	0:08:43	108
8	0.1	32	0.99467	0:09:54	90
8	0.1	64	0.99233	0:17:18	99
4	0.1	2	0.99267	0:06:07	164
4	0.1	4	0.994	0:07:06	137
4	0.1	8	0.99133	0:07:42	113
4	0.1	16	0.99467	0:11:18	115
4	0.1	32	0.996	0:14:25	102
4	0.1	64	0.99267	0:23:17	111
2	0.1	2	0.99467	0:06:36	148
2	0.1	4	0.99367	0:06:15	118

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
2	0.1	8	0.99333	0:08:14	101
2	0.1	16	0.99467	0:11:44	90
2	0.1	32	0.99467	0:13:32	77
2	0.1	64	0.99433	0:13:14	61

Celeba LeNet

Parameters	Value
Optimizer	Adam
LR	5e-5
Early Stop Patience	20

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
32	0.1	2	0.88	0:53:09	149
32	0.1	4	0.87667	0:18:02	50
32	0.1	8	0.87667	0:22:18	63
32	0.1	16	0.88667	0:20:42	53
32	0.1	32	0.87667	0:30:36	74
32	0.1	64	0.88333	0:27:33	64
16	0.1	2	0.88333	0:36:00	110
16	0.1	4	0.87	0:21:56	46
16	0.1	8	0.86667	0:24:51	48
16	0.1	16	0.85	0:25:08	44
16	0.1	32	0.83	0:22:07	33
16	0.1	64	0.83	0:22:07	33
8	0.1	2	0.87667	0:34:17	96
8	0.1	4	0.87667	0:21:35	59
8	0.1	8	0.88667	0:16:52	44
8	0.1	16	0.86667	0:13:38	31
8	0.1	32	0.88667	0:18:44	36
8	0.1	64	0.87	0:22:49	36
4	0.1	2	0.88	0:30:16	100
4	0.1	4	0.89333	0:18:41	61
4	0.1	8	0.90333	0:17:59	54
4	0.1	16	0.89	0:28:29	76
4	0.1	32	0.87667	0:26:09	60
4	0.1	64	0.83333	0:27:54	55
2	0.1	2	0.88667	0:22:13	81
2	0.1	4	0.87667	0:15:48	57

B	C	E	FLAcc	TimeAll (H:M:S)	CommRound
2	0.1	8	0.89	0:13:19	44
2	0.1	16	0.88	0:21:10	60
2	0.1	32	0.87333	0:20:43	52
2	0.1	64	0.89667	0:22:35	50