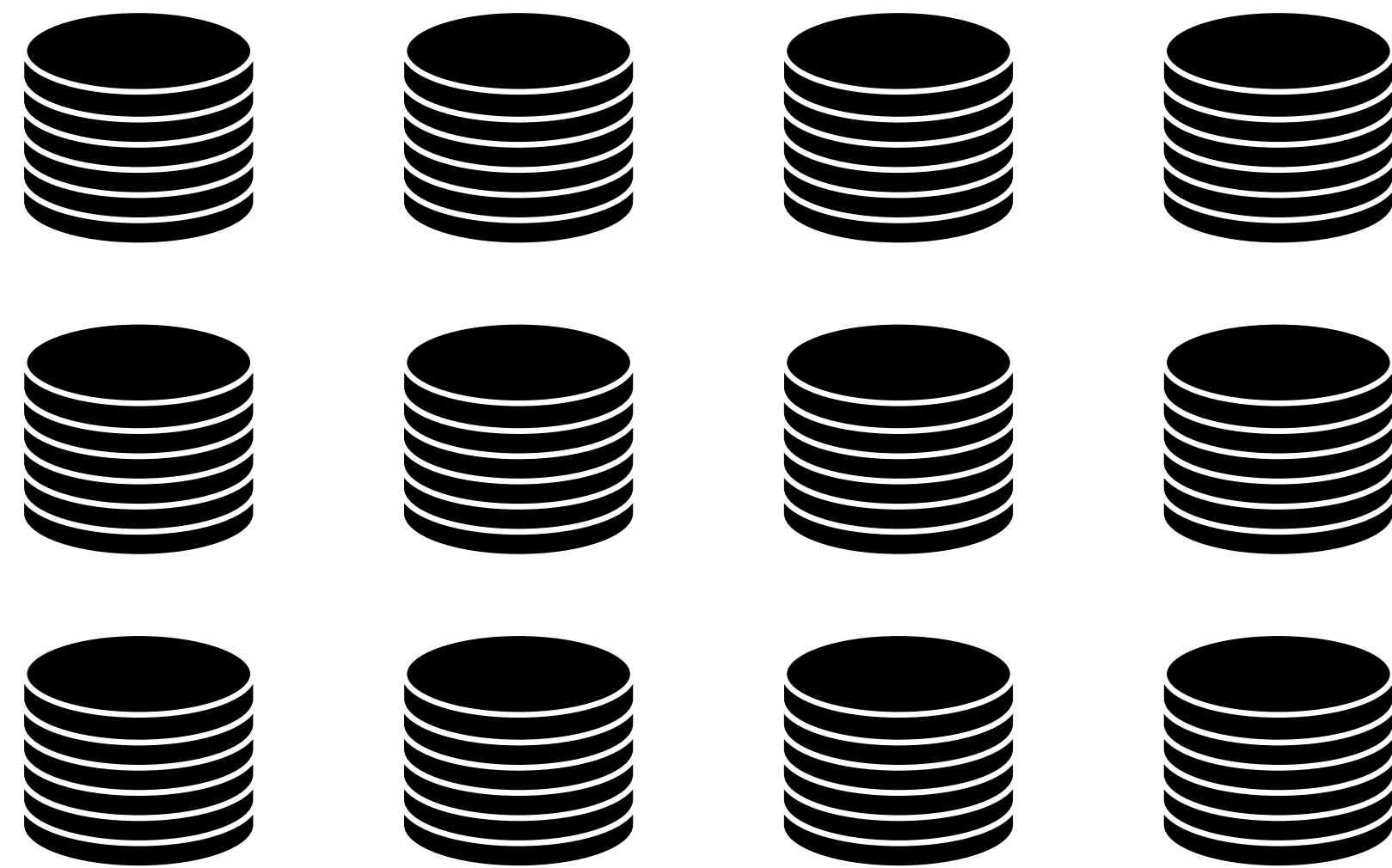


Classification task

Image classification task

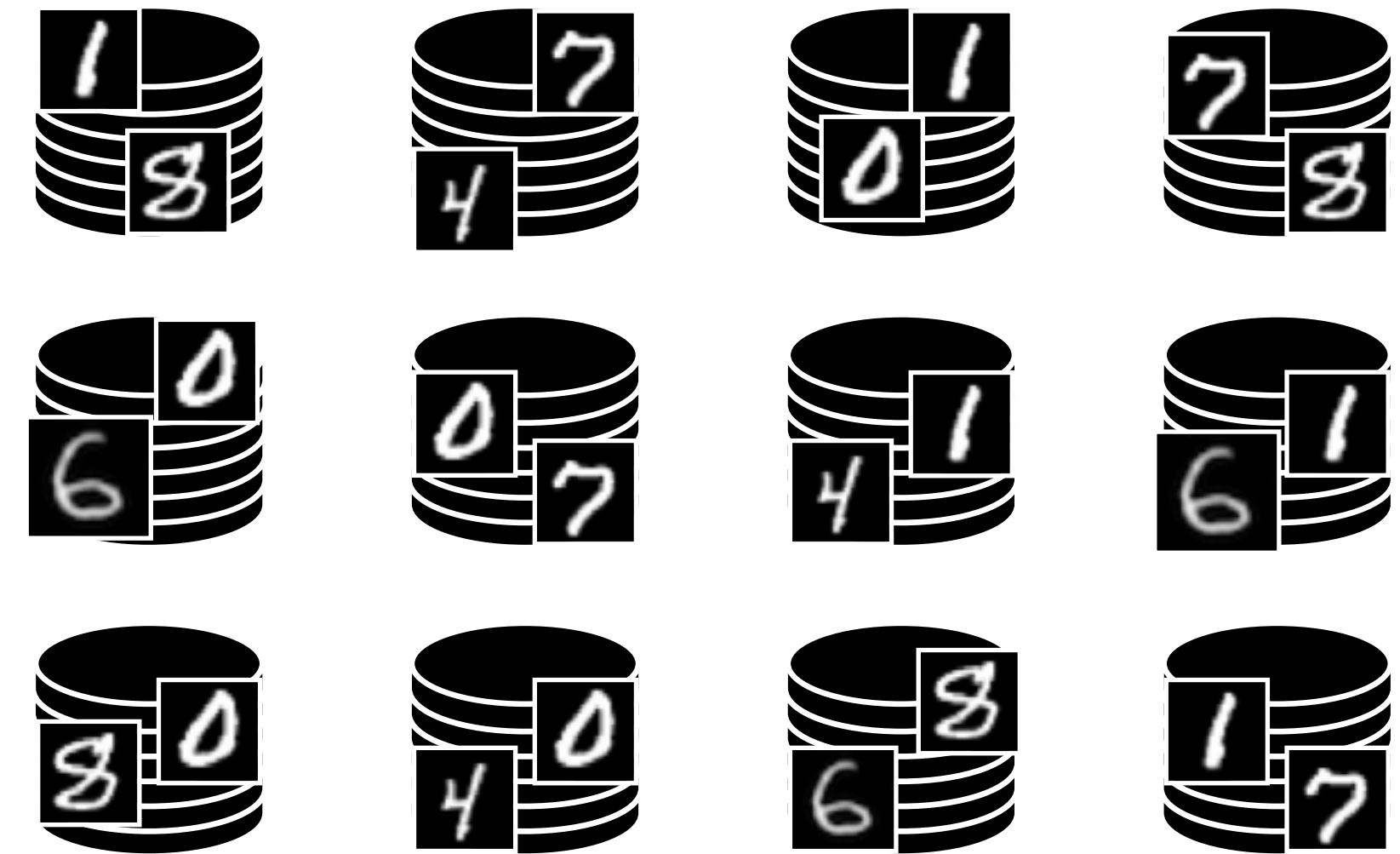
IID



Randomly shuffled

100 clients each receiving 600 examples

Non-IID



Non-iid partition

100 clients each receiving 600 examples

2NN C	IID		Non-IID	
	$B = \infty$	$B = 10$	$B = \infty$	$B = 10$
0.0	1455	316	4278	3275
0.1	1474 (1.0 \times)	87 (3.6 \times)	1796 (2.4 \times)	664 (4.9 \times)
0.2	1658 (0.9 \times)	77 (4.1 \times)	1528 (2.8 \times)	619 (5.3 \times)
0.5	— (—)	75 (4.2 \times)	— (—)	443 (7.4 \times)
1.0	— (—)	70 (4.5 \times)	— (—)	380 (8.6 \times)

CNN, $E = 5$				
0.0	387	50	1181	956
0.1	339 (1.1 \times)	18 (2.8 \times)	1100 (1.1 \times)	206 (4.6 \times)
0.2	337 (1.1 \times)	18 (2.8 \times)	978 (1.2 \times)	200 (4.8 \times)
0.5	164 (2.4 \times)	18 (2.8 \times)	1067 (1.1 \times)	261 (3.7 \times)
1.0	246 (1.6 \times)	16 (3.1 \times)	— (—)	97 (9.9 \times)

