

Dataset	Training	Testing	Validation	Classes	Training Batch Size
MNIST	50,000	10,000	10,000	10	500
MNIST-random-background	40,000	12,000	10,000	10	500
MNIST-rotated-background	40,000	12,000	10,000	10	500
NIST Special Dataset-19	271,220	271,220	271,220	62	191
Google Street View House Numbers	63,042	63,042	63,042	10	399
Char 74k English	9,300	3,355	305	62	305
Char 74k Kannada	5,694	1,314	1,752	100	438
MNIST [4, 5, 8]	14,000	2,500	2,500	3	500
MNIST [0, 1, 2, 3, 6, 7, 9] – p per-class	$7p$	7,000	7,000	7	500
CIFAR 10	40,000	10,000	10,000	10	500
Caltech 101	5,080	3,048	1,016	102	254
Colonoscopy ¹	2,700	900	100	2	100