

Data Sets	Description	Num. of classes	Train-Valid-Test
<i>MNIST</i>	Standard MNIST	10	60000-0-10000
<i>basic</i>	Smaller subset of MNIST	10	10000-2000-50000
<i>rot</i>	MNIST with rotation	10	10000-2000-50000
<i>bg-rand</i>	MNIST with noise background	10	10000-2000-50000
<i>bg-img</i>	MNIST with image background	10	10000-2000-50000
<i>bg-img-rot</i>	MNIST with rotation and image background	10	10000-2000-50000
<i>rect</i>	Discriminate between tall and wide rectangles	2	1000-200-50000
<i>rect-img</i>	Dataset <i>rect</i> with image background	2	10000-2000-50000
<i>convex</i>	Discriminate between convex and concave shape	2	6000-2000-50000