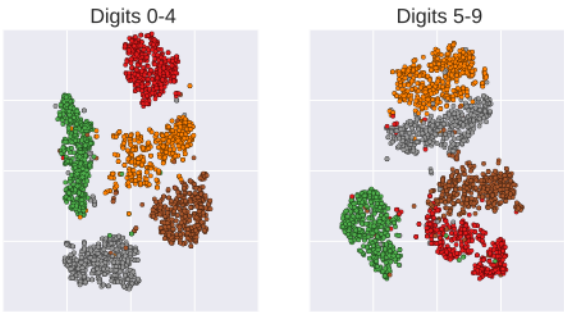
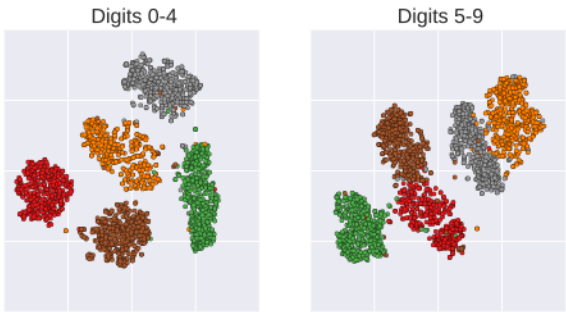


	MNIST(k=5)	MNIST(k=10)	SVHN(k=10)	NORB(k=10)
k-means	0.738	0.841	0.285	0.496
AE+kmeans	0.773	0.900	0.344	0.446
GMM	0.765	0.867	0.286	0.505
AE +GMM	0.751	0.838	0.333	0.490
ACOL	0.951+/-0.012	0.964+/-0.006	0.763+/-0.012	0.602+/-0.022

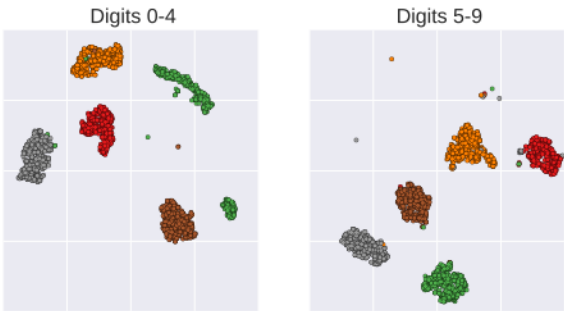
t-SNE Original MNIST Input



t-SNE of Autoencoder Representation



t-SNE of ACOL Representation on Feed-Forward Layer



t-SNE of ACOL Representation on Augmented Softmax Layer

