Supplementary material for
On Deep Multi-View Representation Learning

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In this supplementary material, we give visualizations of projected view 1 test images of the noisy MNIST dataset by all feature learning algorithms in Figure 1 (including an embedding of input features with images) and Figure 2.

References
Figure 1. \(t\)-SNE embedding of the projected test set of noisy MNIST digits by different algorithms. Each sample is denoted by a marker located at its coordinates of embedding and color coded by its identity, except in (a’) where the actual input image is shown for samples of classes ‘1’ and ‘3’. Neither the feature learning algorithms nor \(t\)-SNE is aware of the class information. We have run the \(t\)-SNE implementation of Vladymyrov & Carreira-Perpiñán (2012) on the 10,000 projected test images for 300 iterations with a perplexity of 20.
Figure 2. t-SNE embedding of the projected test set of noisy MNIST digits by different algorithms. Each sample is denoted by a marker located at its coordinates of embedding and color coded by its identity. Neither the feature learning algorithms nor t-SNE is aware of the class information. We have run the t-SNE implementation of Vladymyrov & Carreira-Perpiñán (2012) on the 10 000 projected test images for 300 iterations with a perplexity of 20.