MNIST raw raw raw raw DCSI DSI N2 CH* 5 2 3 4 5 6 2 3 4 5 6 2 3 5 6 class umap umap umap umap DCSI DSI N2 CH* 3 5 6 8 5 6 8 5 6 8 5 6 3 class FMNIST-10 raw raw raw raw DCSI DSI N2 CH* value 1.00 5 3 5 2 3 5 3 5 0.75 umap umap umap umap 0.50 DCSI DSI N2 CH* 0.25 0.00 5 6 8 2 3 4 5 6 8 9 2 3 4 5 6 8 2 3 4 5 6 class FMNIST-5 raw raw raw raw DCSI DSI N2 CH* • 4 **-** 4 **-** 3 **-** 3 • 3 **-** 2 **-** 2 2 3 3 3 2 class umap umap umap umap **DCSI** DSI N2 CH* **-** 4 **-** 4 **-** 3 **-** 3 **-** 3 - 2 **-** 2 **-** 2 3

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