MNIST raw raw raw raw DCSI DSI N2 CH* 5 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6 umap umap umap umap DCSI DSI N2 CH* 3 5 6 8 5 6 8 5 6 8 3 5 6 3 class FMNIST-10 raw raw raw raw DCSI DSI N2 CH* value 1.00 2 3 2 3 2 3 5 0.75 5 5 umap umap umap umap 0.50 DCSI DSI N2 CH* 0.25 0.00 3 5 6 8 2 3 5 6 7 8 2 3 4 5 6 8 2 3 4 5 6 8 4 class FMNIST-5 raw raw raw raw DCSI DSI N2 CH* **-** 4 **-** 4 **-** 3 **-** 3 • 3 - 2 **-** 2 2 3 3 2 3 2 umap umap umap umap **DCSI** DSI N2 CH* **-** 4 **-** 4 **-** 3 **-** 3 **-** 3 - 2 **-** 2 **-** 2

3

class