Reconstructed: Avg. dev. vs. dynamic dimension for original space for 1 run 800 -**PCA** Avg. dev. from original Random Projection 600 PCA\* 400 200 Transformed: Aθg. dev. vs40dynamic enmension for original ββace Avg. dev. from original data 1000 LLE 800 t-SNE **UMAP** 600 Random Projection 400 **PCA** PCA\* 200 0 20 40 60 80 100 Number of dimensions reduced to 2