	D_{glob}	$KL_{0.001}$	$KL_{0.01}$	$KL_{0.1}$	KL_1	KL_{10}	ℓ-Cont	ℓ-MRRE	ℓ-Nbhd	$Corr_{Rank}$	ℓ-Trust	Data MSE	ℓ-RMSE	Stress
Vanilla	0.28570	0.64246	0.53999	0.07064	0.00150	0.000017	0.95559	0.03068	0.63656	0.23446	0.96902	0.09926	14.44340	0.697
TopoReg	0.25618	0.12325	0.38495	0.05588	0.00108	**0.000012**	**0.97866**	**0.02263**	0.62131	0.24880	0.97044	**0.09915**	20.48814	6.923
GeomAE (proposed)	**0.22600**	0.16194	**0.34369**	**0.04282**	**0.00103**	0.000012	0.96658	0.02593	0.59525	0.26291	**0.97476**	0.10042	18.49366	3.662
PCA	**0.24710**	0.22584	**0.35598**	**0.05203**	**0.00069**	**0.000007**	0.96776	0.05745	0.79233	0.20753	0.91679	0.18439	**9.05119**	**0.567**
TSNE	0.27868	**0.03007**	0.43302	0.06387	0.00182	0.000021	0.96266	**0.02177**	**0.55662**	**0.32447**	0.97105	NaN	34.51271	0.624
UMAP	0.33035	0.05781	0.41685	0.09617	0.00280	0.000032	**0.96936**	0.02379	0.58136	0.31499	0.97176	0.11649	14.19208	1.355
ParametricUMAP	0.33228	**0.04813**	0.45564	0.08865	0.00395	0.000048	0.96608	0.02328	**0.55760**	**0.31809**	**0.97566**	**0.09269**	**10.92691**	**0.566**