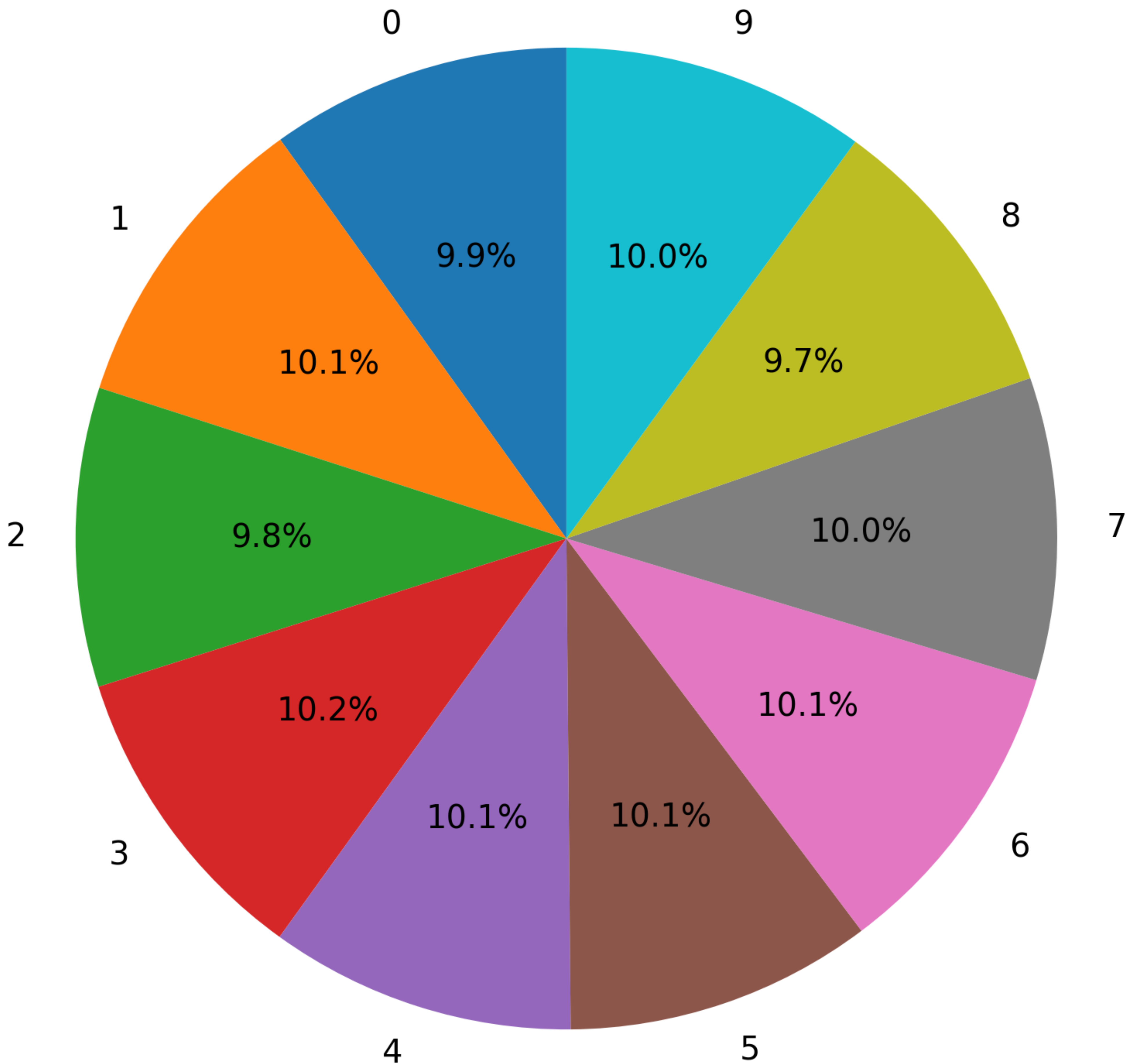


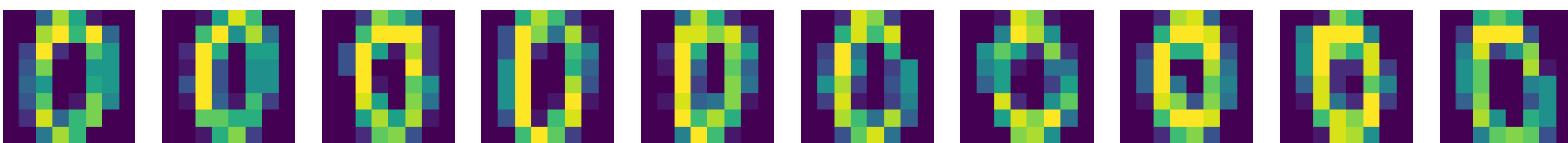
Property	Value
Number of samples	1797
Number of classes	10
Uniform image shape	True
Image shapes	[()]
Consistent dtype	True
Image dtype(s)	[dtype('int64')]
Mean pixel value (avg over images)	4.4908
Std pixel value (avg over images)	0.0000

Class	Count	Percentage	Class Weight
0	178	9.91%	0.0056
1	182	10.13%	0.0055
2	177	9.85%	0.0056
3	183	10.18%	0.0055
4	181	10.07%	0.0055
5	182	10.13%	0.0055
6	181	10.07%	0.0055
7	179	9.96%	0.0056
8	174	9.68%	0.0057
9	180	10.02%	0.0056

Class Distribution



Class 0



Class 1



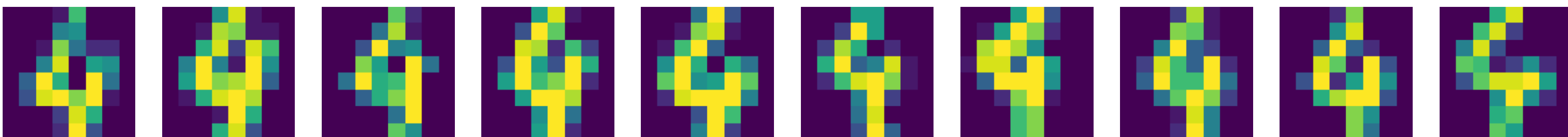
Class 2



Class 3



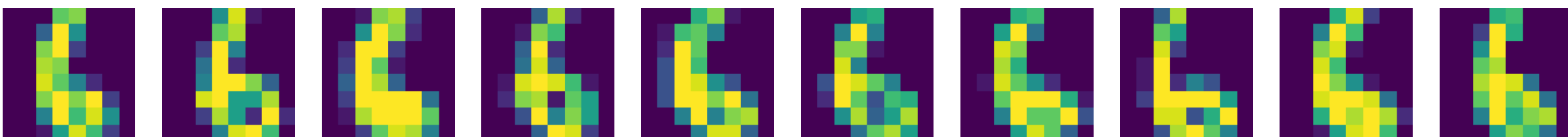
Class 4



Class 5



Class 6



Class 7



Class 8

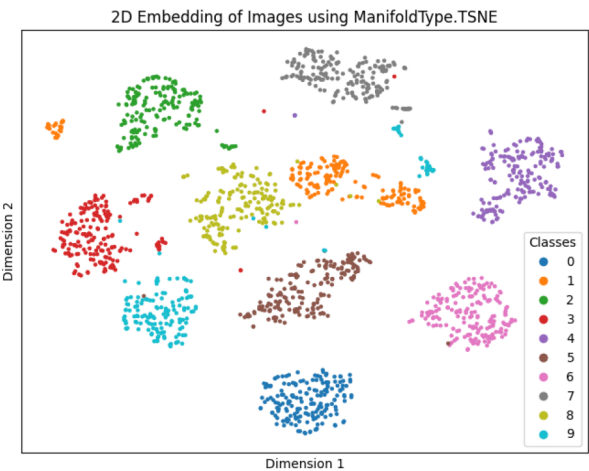


Class 9

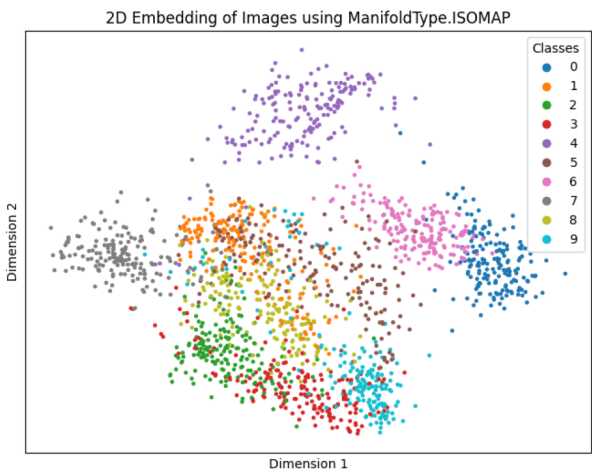


MNIST Digits (8x8) Projected on a Lower Dimensional Space

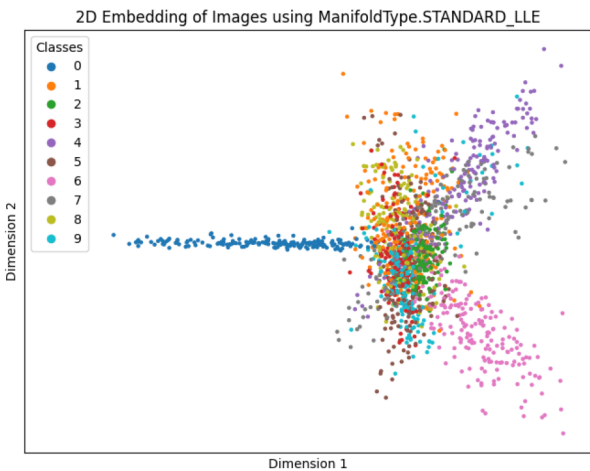
t-SNE embedding (2D)



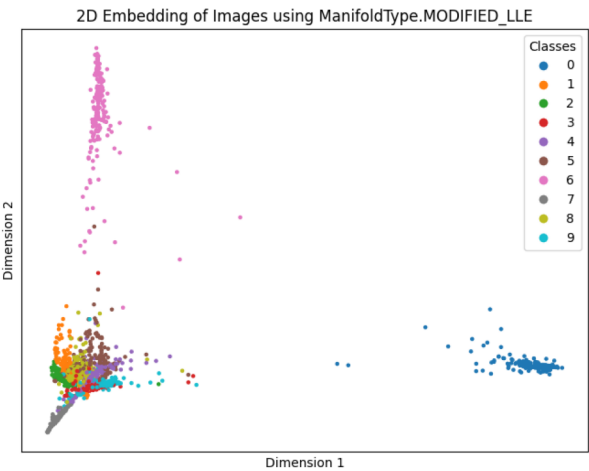
Isomap embedding (2D)



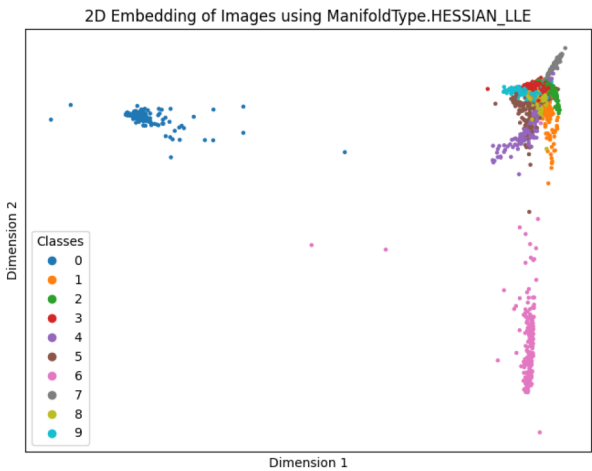
Standard LLE embedding (2D)



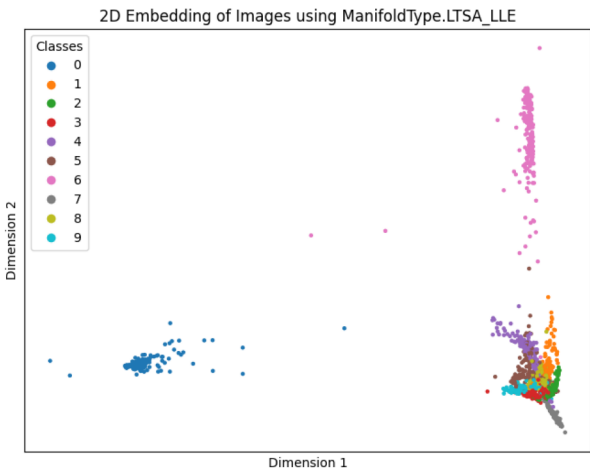
Modified LLE embedding (2D)



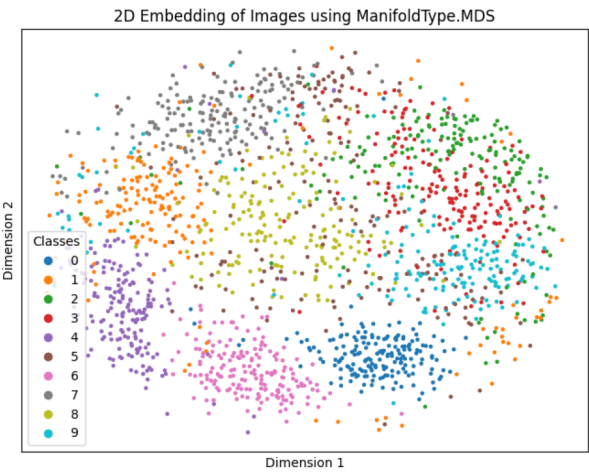
Hessian LLE embedding (2D)



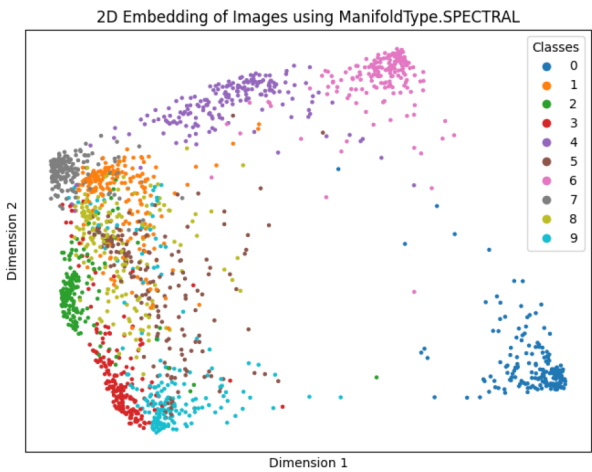
LTSA LLE embedding (2D)



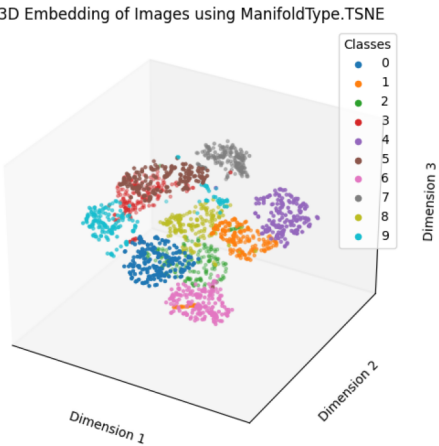
MDS embedding (2D)



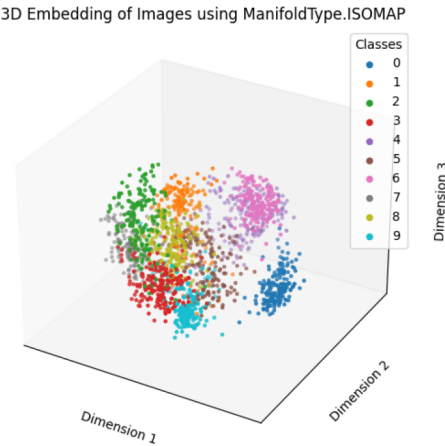
Spectral embedding (2D)



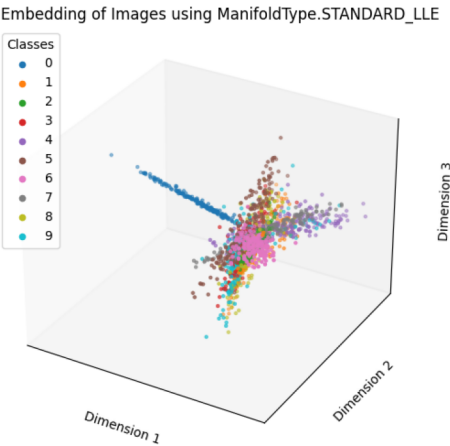
t-SNE embedding (3D)



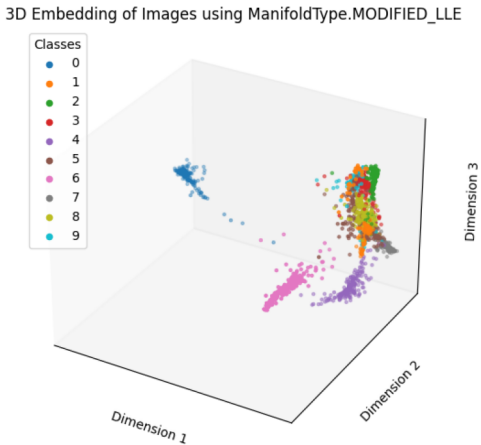
Isomap embedding (3D)



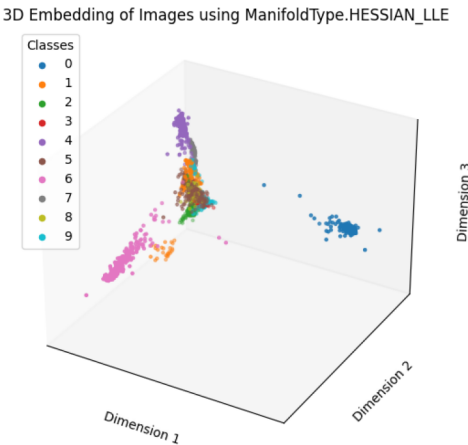
Standard LLE embedding (3D)



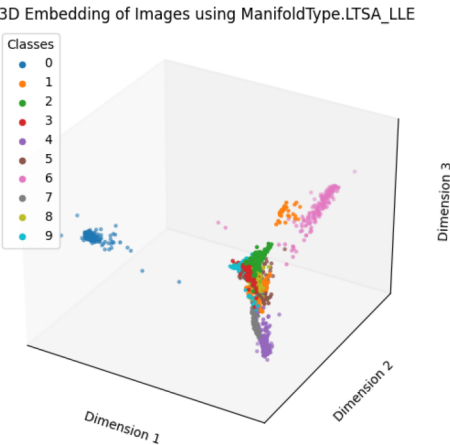
Modified LLE embedding (3D)



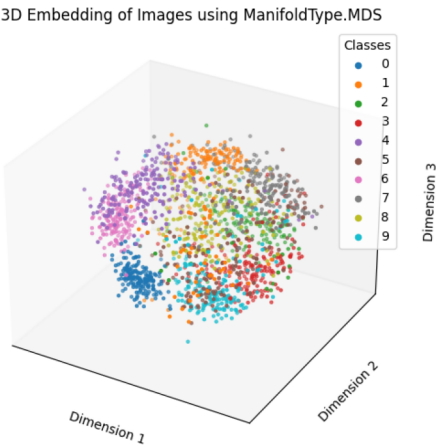
Hessian LLE embedding (3D)



LTSA LLE embedding (3D)



MDS embedding (3D)



Spectral embedding (3D)

