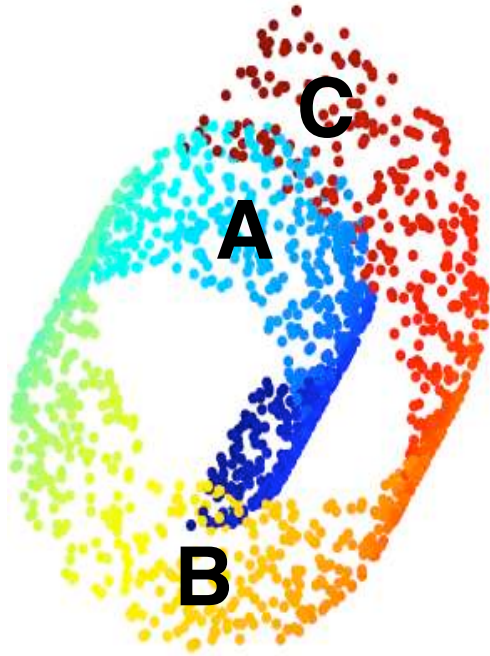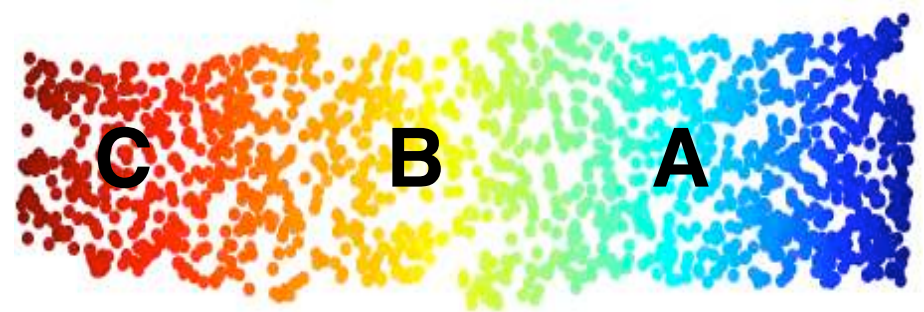# Rank ordering of Euclidean distances is NOT preserved in "manifold learning".

$$d(A,C) < d(A,B)$$

$$d(A,C) > d(A,B)$$