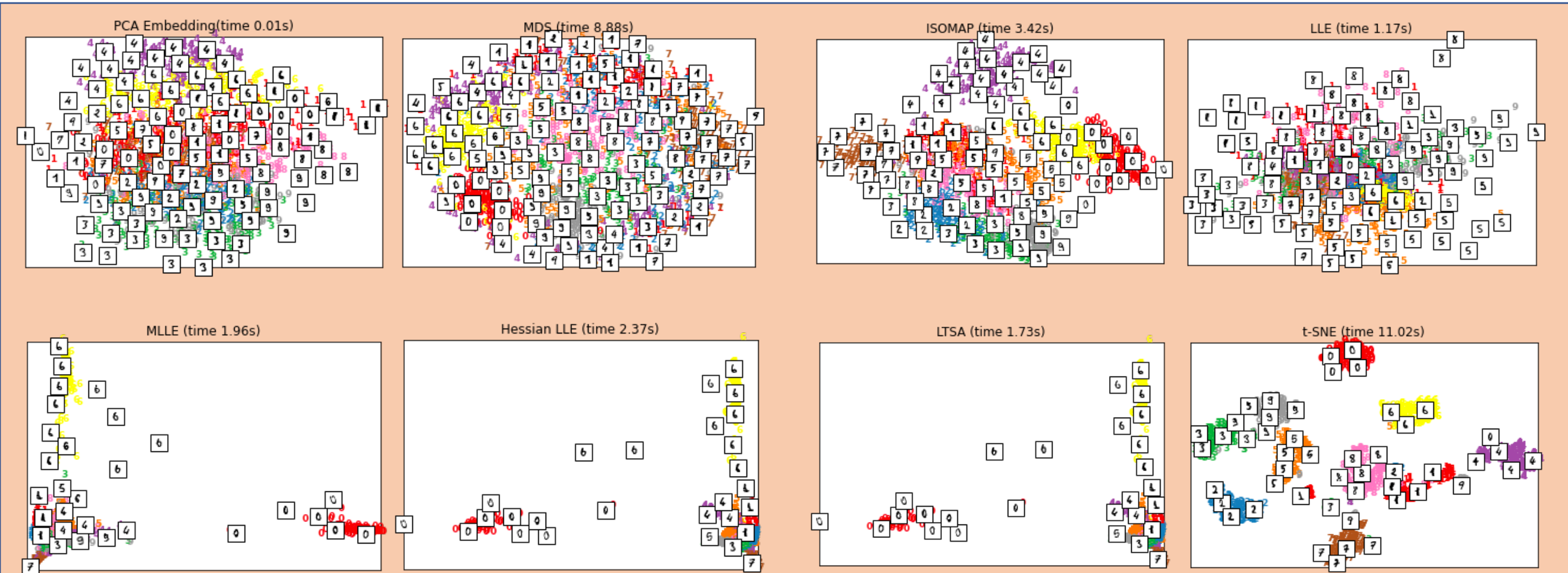


# CSIC 5011: Project-1 : Appendix: Visualizing 2-D Embedding of MNIST dataset

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Although the main objective of the project is to study PCA and Horn's parallel analysis to improve the performance of FNN based digit classification still we visualize the 2-dimensionsoinal embedding of MNKIST dataset using different linear and non-linear dimensionality reduction techniques like PCA,MDS, ISOMAP, LLE, Modified LLE, Hessian LLE, LTSA and t-SNE as discussed in the lectures. It is observed that t-SNE can efficiently separate the different classes in 2-D embedding space.