

-Summary: The report is based on both MNIST and Raphael's painting datasets, mainly concerning the implementation of scattering net and VGG19 for feature extraction, unsupervised learning methods for visualization and SVM for classification using those features.

-Strengths and weaknesses: The structure of this report is well-organized, data sources are clearly cited. However, the conclusion of unsupervised learning part for visualization--say, MDS and LLE--is not that obvious. More reasonings of each method or explorations for the assumptions of each methods might be needed.

-Evaluation on Clarity and quality of writing (1-5): 5
This part is pretty good.

-Evaluation on Technical Quality (1-5): 4

-Overall rating: 4

-Confidence on your assessment (1-3): 3