• Summary of the report.

In this report, the authors use different neural networks to do feature extraction on MNIST dataset. They visualize these features by using PCA, t-SNE method and perform image classification with logistic regression, random forest, LDA, and SVM.

• Describe the strengths of the report.

They use many methods in feature extraction and image classification. And they compare the performance between different feature extractors and classifiers.

• Describe the weaknesses of the report.

The Raphael’s paintings part lacks the visualize features.

• Evaluation on Clarity and quality of writing (1-5): 5

The writing quality is good, and the reports contains clear results and figures.

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

The discussion of experiment results is quite good.

The authors didn’t visualize these features based on Raphael paintings dataset.

• Overall rating: 5

• Confidence on your assessment: 3