Summary of the report.

They extract the feature of images on MNIST dataset and Raphael's paintings dataset by scattering net and VGG19. They use methods like PCA/MDS, Manifold learning and t-SNE to visualize the feature vectors extracted from Raphael's painting dataset. They use SVM to achieve the image classification in Raphael's paintings and MNIST dataset.

The strengths of the report.

1) They do experiment on two dataset, which can support their conclusion more generally.
2) The report is well written, the equations, figures and tables are clear.
3) They give concrete experiment detail in their report.
4) They tried a lot of methods, and give concrete analysis about the advantages and disadvantages of these methods.

The weaknesses of the report.

1) When they put the figures, there are some figures overlap with each other

Evaluation on Clarity and quality of writing 5

Evaluation on Technical Quality 4

Overall rating 4

Confidence on your assessment 3