**• Summary of the report**

The authors use PCA, MDS and t-SNE to reduce dimensionality on hand-written digits dataset. The t-SNE method has better performance on data reduction and visualization. Random Forest method is applied to classify the transformed data. The Random Forest plus PFA method has the best classification result.

**• Describe the strengths of the report**

The authors use different data reduction and classification methods, compare the model performance and analyze the reasons.

**• Describe the weaknesses of the report**

1) The authors didn’t use the full dataset, which has 60000 images.

2) The PCA and PFA is not comparable because they use different number of components.

3) The classification results of SVM, LR and LDA are not shown in the report.

4) They didn’t analyze the relation between features and accuracy.

**• Evaluation on Clarity and quality of writing: 3**

Clearly written, but lose the results mentioned above.

**• Evaluation on Technical Quality: 3**

The content is simple, and the classification results have problems mentioned in the weakness.

**• Overall rating: 3**

**• Confidence on your assessment: 3**