

Summary

The project discuss feature learning and prediction on the MNIST dataset. Scatter net, VGG16 and Restnet-18 are used for feature extraction and logistic regression, SVM, random forest and LDA are used with the learned features for classification. The learned features are visualized using PCA, TSNE, MDS, LLE, ISOMAP and SE.

Assessment

Strengths

- Clear and structured presentation
- Structured analysis using relevant algorithms
- Informative visualizations

Weaknesses

- Project code could be included for repeatability
- The algorithms could be explained in more detail
- quantitative metrics could be included to compare the performance of the different algorithms for feature extractions

Quality of writing: 5

The writing is clear and no language errors were found.

Technical quality: 4

Structured analysis. Project code could be included for repeatability. The choice of algorithms and related work could be discussed.

Overall rating: 4

Confidence of peer review: 3