Summary
– Used AlexNet, VGG16 and ResNet18 pretrained on ImageNet as a fixed feature extractor for MNIST
– Use a scattering wavelet transform on MNIST as another method of extracting deformation invariant features
– Used Logistic regression and random forest for classification based on the extracted features
– Compare the results
– Provide high level explanation of the performance difference

Strength
– Clear description of models
– Visualization of the results and the models are good
– Will continue to update this repository

Weakness
– The format of the report may not meet the requirements, but a good one overall

Evaluation on Clarity and quality of writing
4

Evaluation on Technical Quality
4

Overall rating
4

Confidence on your assessment
2