

In this project, they conduct an investigation on the feature extraction performance by scattering net with the pre-trained VGG19. They implement it based on MNIST dataset, with visualizing these features using classical unsupervised learning method T- distributed neighbor embedding for dimension reduction. The baselines are the traditional methods including t and linear regression

Pros:

The report with many figures is clear, good written and easy to understand.

This project conducts a comparison on three different famous feature extractions.

Cons:

They conduct the experiment on only one DNN models (VGG)

There are some typos in their report.

Clarity 4

Technical 4

Overall 3

Confidence 3