review report 3

October 18, 2019

1 Summary

This report analysis the Minst dataset. First of all, They choose to use the scattering net and ResNet to extract the features of images. For scattering, they set the number of dilation as 3,the length of scattering network as 2 and 6 rotations. And as for the ResNet, they use the pretrained model on ImageNet to extract the feature of each sample image. Then they applyed SVM and ResNet-18 and compared the classification results. Last they draw the conclusion that using the feature extracted by ResNet-18, they can achieve better accuracy even using traditional classifiers.

2 The strength of the report

This report describes the dataset and the method they used clearly. And I think they satisfy all the request given in the project. Besides they compared the classification methods and draw a conclusion reasonable.

3 the weakness of the report

For the feature extraction part, they only show the result of the ResNet,but do not show any result of the features that extracted by the scattering net. Beside, this report only compares two classification methods, I think that it is better to consider more methods

4 evaluation on writing and technical quality

Overall, this reports has a good use of examples and figures and well organized. Besides references and formatting are also concluded. For technical quality, the experiments are wll thought out and convingcing, but they do not compared with the current work.

5   overall rating

After carefully reading this poster, I will assign 4 points for this report