

Peer review of group 6

October 19, 2019

1 Summary

The report uses the MNIST dataset. On this dataset features are extracted with a ScatterNet and a Pre-trained VGG19. Both methods are introduced and briefly discussed. Then a T-distributed Stochastic Neighbor Embedding is used to visualise the features. Finally predictions are made by logistic regression on both feature sets and the results are compared.

2 Strengths and Weaknesses

1. Well written and easily understandable, good mixture between attention to detail and simplicity
2. No mistakes or problems
3. Simpler and shorter than most other reports

3 Writing

The report is quite good. I was able to follow your ideas and trains of thought without problems. Section 2.1 is a bit more difficult but largely because the material you present is a more challenging. The only thing I find a bit strange is that you only mention the convolutional network in your conclusion without discussing it before.

Score: 4.5/5

4 Technical quality

I couldn't detect any flaws in the reasoning in your report. However, you kept your report shorter and simpler than most other groups. You could have explored different algorithms of visualisation, prediction and other ways of extracting features. This would have allowed for more meaningful conclusions.

Score: 3.5

5 Conclusion

This report is well done. However it's comparatively short and technically simpler than most other reports.

Score: 3.5/5

6 Confidence of assessment

I read the report carefully, understood it, looked at the code.

Score 3/3