* **Summary of the report.**

This report tried to use ResNet-18 and Scattering net to do feature extraction. Then it uses the features to do classification and visualization. Apart from these, it also trained a CNN after Scattering net and achieve good results.

* **Describe the strengths of the report.**

In this report, it shows that training a CNN after scattering transform could improve the performance which is a quite new idea.

* **Describe the weaknesses of the report.**

1. It seems that in this report the experiments are not abundant as others. It is not very hard to tried other classification methods.

2. If this report shows more and deeper analysis, it could be better.

3. The performance of ScatNet+SVM is better in others report, could there be something wrong with this model.

* **Evaluation on Clarity and quality of writing (1-5)**:

4

* **Evaluation on Technical Quality (1-5)**:

3

* **Overall rating**:

3- An average one

* **Confidence on your assessment**

3- I have carefully read the paper and checked the results