• **Summary of the report.**

This paper focuses on feature extraction and transfer learning. They used ScatNet and deep neural network to extract the features of original images. After extraction, they use traditional supervised methods to do image classification and analyze the results.

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

+: Abundant experiments are conducted. E.g., for feature visualization, they use 6 methods.
+: The visualization looks well. And this report is organized well.

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

-: The description is inconsistent. In the first part, “VGG16, ResNet-18 are used”. In the last part, “VGG19, ResNet50 are used”.
-: I doubt that there is a wrong result in classification summary. The accuracy for SVM is only 0.18.

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

4. This report is well organized. But there are some typo. The title for 3.2&3.3 are both “VGG 19”. And the description is inconsistent for the DNN they used.

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

4. Many experiments are conducted. Although there are some strange results, they analyze them.

• **Overall rating**

4

• **Confidence on your assessment (1-3)**

3