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Group3

They conducted several experiments to analyze the influence of different feature extraction methods and classifiers to the classification accuracy. As stated, they fine tuned the ResNet-18 to achieve the highest classification accuracy over 99.0%.

Feature Extraction

They use scattering net and ResNet to extract the features of images.

For scattering net, they set the number of dilations as 3, the length of scattering network as 2 and 6 rotations.

For ResNet-18, they use the pretrained model on ImageNet to extract the feature of each sample image.

CNN based methods benefit a lot from the powerful feature extraction ability. They process the data using 2 and 6 rotations which is good.

Strength: The result analysis is logical.

Weakness : better provide more pics for comparison.

Evaluation on quality of writing: 4. Pictures and examples are used in this paper.

Evaluation on presentation: 4. The paper is well organized and clear.

Evaluation on creativity: 3.

Confidence on your assessment: 3