

Summary of the report:

The project use ResNet to extract multi-scale features of 23000 crops of various scales images extracted from Art fraud dataset and use Scattering net extract features from original dataset , use PCA to visualize the extracted features and classify them by SVM, LDA and Random Forest respectively. They found Scattering Net better than Resnet-18 with 0.57 F1-Scores with SVM and LDA classifier.

Strengths:

The report is clear and concise and the experiments are comprehensive. The methods of multi-scale feature extraction is novel.

Weaknesses:

Lack analysis of the experiment result.

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

Evaluation on Technical Quality (1-5): 5

Overall rating: 5

Confidence on your assessment (1-3): 2