Questions:

No visualization part from WU_Jiamin?

Lack the visualization part for MNIST dataset?

Answer:

We use manifold learning methods to visualize the painting features extracted by VGG19. You can refer to Figure5.

Since MNIST dataset is too easy, we pay more attention to the painting dataset. Maybe we can delete the MNIST dataset from our story to make it more consistent.

Questions:

Lack of analysis about the classification accuracy?

Answer:

Since the painting dataset is a small dataset, and several of the images are disputed. It is challenging to make validation here without ground truth.

Questions:

More reasoning of each method or explorations for the assumptions of each methods might be needed?

Why some manifold learning methods perform better than others?

Answer:

Some methods works better than others since the model itself makes better assumptions. We may show more detailed explanations about the manifold learning methods. But the point here is just using these methods to visualize the extracted features so you can feel the distance between different classes.

Questions:

Lack some reference?

Answer:

We should be more careful on citing. Thanks for the reminder.