

Assignment 4

More Classification

You can download the data needed for this assignment at:

<https://www.kaggle.com/oddrationalle/mnist-in-csv/downloads/mnist-in-csv.zip/2>

1. Visualize 9 random samples of the dataset with their corresponding labels.
2. Train a Decision Tree, a Random Forest, and an SVM and check their scores.
3. Visualize the heatmap of the confusion matrix for one of the classifiers.
4. Use grid search to find a better hyperparameter set for your classifier.
5. Visualize 9 random misclassified samples (illustrate the predicted and the correct label).