

Task 1

Let's Start with our first task in the Machine learning course which is supposed to be the hello world of Machine learning :)

Requirements:

You are supposed to apply a model to classify mnist dataset.

1. Apply a binary model (already implemented models in scikit learn) that can classify one digit, say 3 and determine if this digit is 3 or not.
2. Get the confusion matrix.
3. Using the binary classifier you already used to classify the 10 digits (multiclass classification).

You are required to write a report that includes:

- I. Show 5 examples from the used mnist dataset.
- II. The findings of the previous requirements.
- III. Interpret the output of the confusion matrix you get from requirement 2.

Task submission:

- Deadline is next Tuesday (26/10/2020) at 12 am.
- Task submission will be by uploading the source code associated with the report on blackboard.

Groups:

This is an individual task.

Communication Channel:

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