

ADS2 Problem Set 2.9: **Supervised learning: MNIST digit classification**

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We will continue and finalize feature extraction from MNIST handwritten digit dataset, now focusing on visualisation.

If you have not completed any part of the practical, please finish them first.

Once you are done, visualize means of your computed features for each digit class.

Now try to answer the following questions:

- Do you think your features would help the classification?
- Which digits might be hard to distinguish based on your features?
- Which might be easy?
- Could you classify some just by applying a threshold to values of certain features? (i.e. without a more sophisticated classifier like an artificial neural network).