

Name:

Std. Number:

## Quiz 8 (interpretable Learning)

### Questions

1. We have a trained complex predictive model as a black box and we want to evaluate its performance on an  $N$ -dimensional input space. The input space is too large and it is divided into 10 homogeneous subsets. One labeled sample from each subset is available and the result of the running the model on one of these samples is unsatisfying.

Interpret the behavior of the model in the locality of this sample by estimating the weight it gives to each feature. During your interpretation you can run the model or train and run any other predictive model.