

Recognition Example Problem

What useful information does a confusion matrix give?

ANSWER:

It give a summarised view of how well the classifier performs on each class. E.g. one can easily see if two classes are being confused, which may lead to development of an additional feature/property that can discriminate between the two classes. The sum of the values along the main diagonal gives the total number correctly recognised. Dividing by the number of items to be classified gives the average accuracy over all classes.