Problem set 2
Normalisation & Classifier evaluation

Excercise 1

Assume that the height of a student takes the following values $[170, 160, 155, 165]$.

1. Use $[0, 1]$-scaling to transform the four points.
2. Use Gaussian normalisation to transform the four data points.

Excercise 2

A binary classifier was evaluated using a set of 1000 test examples in which 50% of all examples are negative. It was found that the classifier has 0.6 recall and 0.7 accuracy. Write the confusion matrix.

Excercise 3

Given the confusion matrix for a 3-class classifier

	Car	Train	Cycle
Car	8	3	6
Train	2	4	2
Cycle	2	4	12

1. Calculate Precision, Recall, and F-score for each of the 3 classes
2. Calculate Macro F-score