CM1103 Coursework Report

For our Python coursework we were tasked with judging the fairness of a scoring system for sailing competitions, to judge this fairness, we were given a mean skill value as well as a standard distribution which we could then use to model races.

To investigate this problem, I created a Python program which would use a CSV (Comma-Separated Values) file which contains the sailor’s name, mean skill and standard deviation. This file would then be read by the Python program and would allow for a given number of races to be modelled using a normal distribution.

For this system to work effectively, we must make some assumptions:

1. We assume that the sailor’s mean skill and standard deviation are accurate