Midterm Exam - Student Report

This is an interpretive report of your responses to the midterm exam in introduction to programming (GPRO). Its purpose is to help you identify your strengths and weaknesses in the course topics.

The boxplots[1] show how you compare to a larger sample of first semester Medialogy students from Aalborg and Copenhagen. Specifically, they indicate the average score of all students in eleven different topics (see Figure 1). Your score for each topic is indicated with red dots. A score above 0.5 means that you performed better than the average student in the test. The percentiles indicate the percentage of students whose scores are equal to or less than yours.
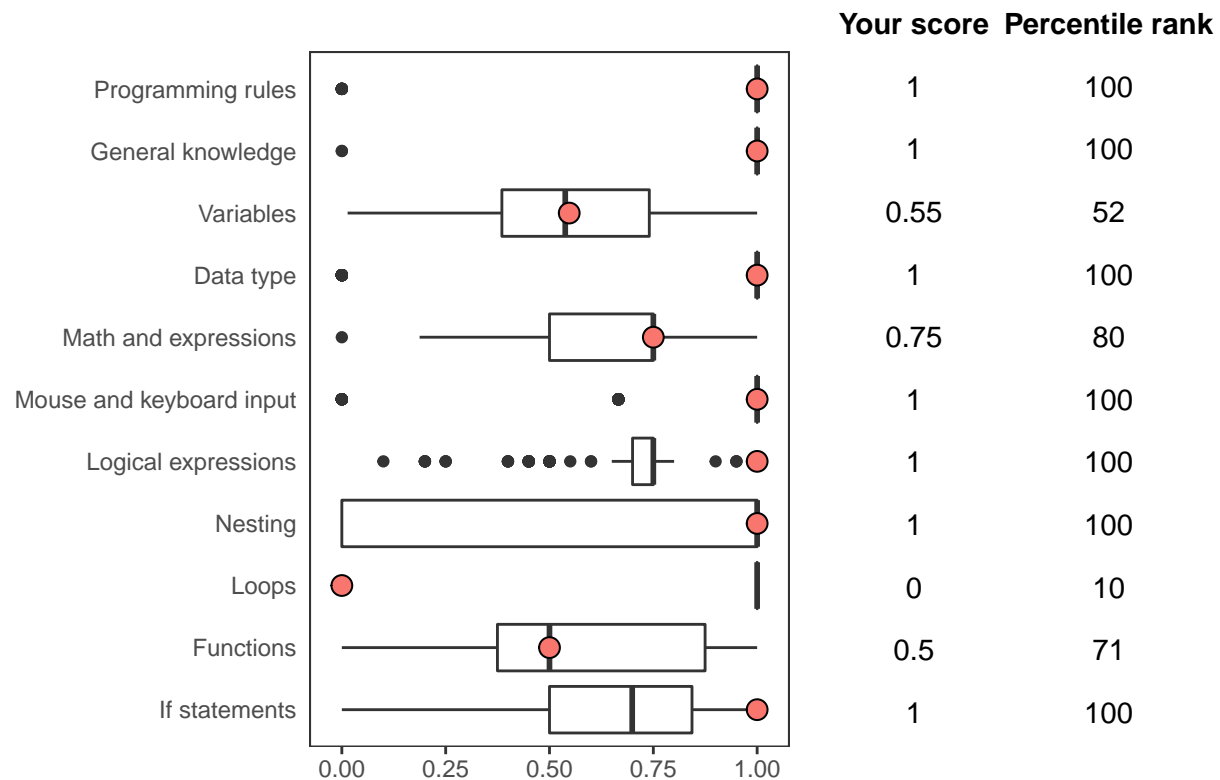

Topic	Your score	Percentile rank
Programming rules	1	100
General knowledge	1	100
Variables	0.55	52
Data type	1	100
Math and expressions	0.75	80
Mouse and keyboard input	1	100
Logical expressions	1	100
Nesting	1	100
Loops	0	10
Functions	0.5	71
If statements	1	100

Figure 1: Boxplots of the scores of all students in eleven topic.

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[1]A *boxplot* consists of four equal sized groups made from the ordered scores, i.e. 25% of all scores are placed in each group. The lines dividing the groups are called quartiles. The rectangular box denotes the middle 50% of scores for the group, and its lengyh is equal to the difference between the 75th and 25th percentiles. The median (middle quartile) marks the mid-point of the data, indicated as the line dividing the box into two parts. The upper and lower lines (also called whiskers) represent scores outside the middle 50%. Outliers are defined as data points outside the whiskers and plotted as black dots.