

DPH101/ENV203 Assignment

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Due at 8:55 AM on Monday 16 September 2019

Instructions

This assignment consists of four questions. You must attempt all questions. There are no allowances for late submissions.

You submission must consist of a *single PDF* file named using your *student ID*. For example, *1234567890.pdf*. Other file types will not be allowed. Other file names will not be allowed.

All data for this assignment is from the dataset named *IQ and Lead* from *Triola, Triola and Roy*. The dataset is available on the ICE site under the filename *IQLEAD.txt*. The dataset is described on page 657. You will need to import the dataset into *R* to complete this assignment.

Question 1: 10 marks

Prepare a properly formatted table (4 marks) that summarises the ages of the subjects. The table's stub must use classes of width three (2 marks). The second column must present the frequencies (2 marks). The third column must present the relative frequencies (1 mark). The last column must present the cumulative relative frequencies (1 mark).

Question 2: 10 marks

Construct a properly formatted (6 marks) histogram (2 marks) of the ages of the subjects using bin widths of three (2 marks).

Question 3: 10 marks

Construct a properly formatted (6 marks) strip plot (4 marks) of the ages of the subjects.

Question 4: 10 marks

Construct a properly formatted (6 marks) Pareto plot (4 marks) of the sexes of the subjects.