

3B Box Plots

1. The blood glucose levels of 30 males is recorded. The results, in mmol/litre, are summarized below:

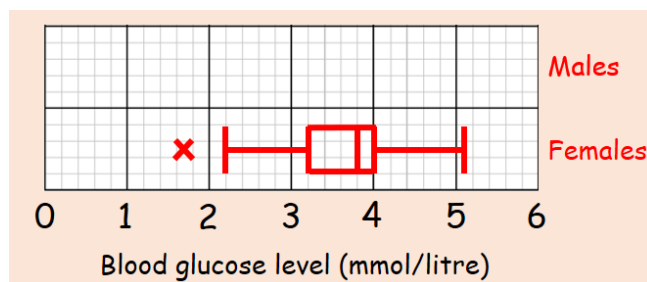
$$Q_1 = 3.6 \quad Q_2 = 4.0 \quad Q_3 = 4.7$$

Lowest value = 1.4

Highest value = 5.2

An outlier falls either $1.5 \times IQR$ above Q_3 , or $1.5 \times IQR$ below Q_1 .

- a) Given that there is only 1 outlier for males, plot this information on the same diagram as the females.



- b) Compare the blood glucose levels for males and females.