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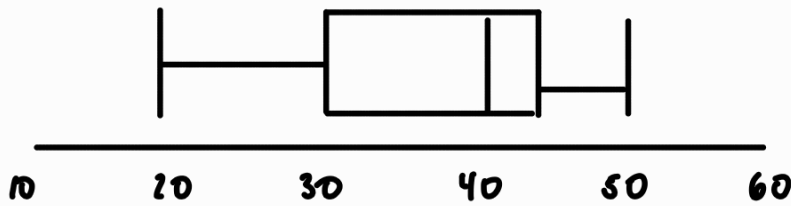
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3.2 Box plots

1)



2) a) 51 goals

b) 28 goals

c) 57 goals

3) a) an outlier

b) Spread of masses is very similar but females, on average weight more than males

c) Female: only one male bird has a mass greater than this

4) a) Median = $\frac{29 + 1}{2} = 15$ th position

Median = 7

$$LQ = (5 + 5) \div 2 = 5$$

$$UQ = (9 + 10) \div 2 = 9.5$$

$$IQR = UQ - LQ$$

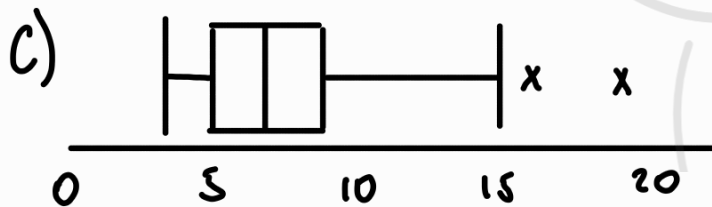
$$IQR = 9 - 5 = 4$$

$$b) LB = 5 - (1.5 \times 4) = -1$$

$$UB = 9 + (1.5 \times 4) = 15$$

Values below -1 : None

Values above 15 : 16 and 19 are outliers



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