Part 5.4: Spread

To calculate the spread we normally look at the inter-quartile range (IQR) for the two data sets. The IQR is calculated by subtracting the lower quartile off the upper quartile. You can also look at the standard deviation for each of the two data sets. You should also comment on what you see visually.

Discuss the spread for each of the sets of data, the first one has been done for you.

1. Overall visually the forwards seem to be slightly more spread out than the backs. This is backed up by the inter quartile range for the forwards is 12.5 kg whereas the interquartile range for the backs is 8 kg indicating that the forwards have more variation in their weights than the backs. The standard deviation is also higher for the forwards.

1. Rugby Players Weight by Position