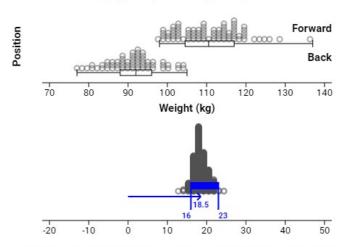**Part 7a: Making a Formal Inference**

We now come to the most important part of the internal, where we have been leading up to the whole time, making a formal inference. This is about linking it back to the population that we care about. To get the interval we look at the bootstrap distributions that we produced earlier.

Make a formal inference for each of the sets of data, the first one has been done for you.

1. From the bootstrapping confidence interval it is a fairly safe bet that forwards median weight will be between 16.0 kg and 23.0 kg more than backs median weight.

1. Rugby Players Weight by Position