1.7 Measuring Variability (Part 1)

There are several ways to measure the variability of a distribution. The three most common are the range, interquartile range, and standard deviation.

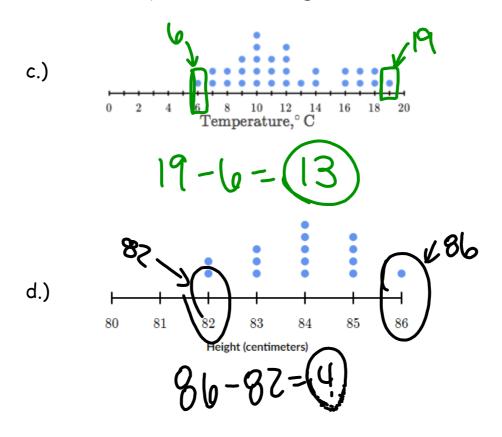
The simplest measure of variability is the range.

The **range** of a distribution is the distance between the minimum value and the maximum value.

Note that the range of a data set is a single number. In everyday language, people sometimes say things like, "The data values range from 5 to 85." Be sure to use the term range correctly, now that you know its statistical definition.

Example: Find the range of the data.

b.) {250, 275, 325, 300, 200, 225, 175] 325 - 175 - (150)



Example: Find the range of the data.

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