Measure of spread

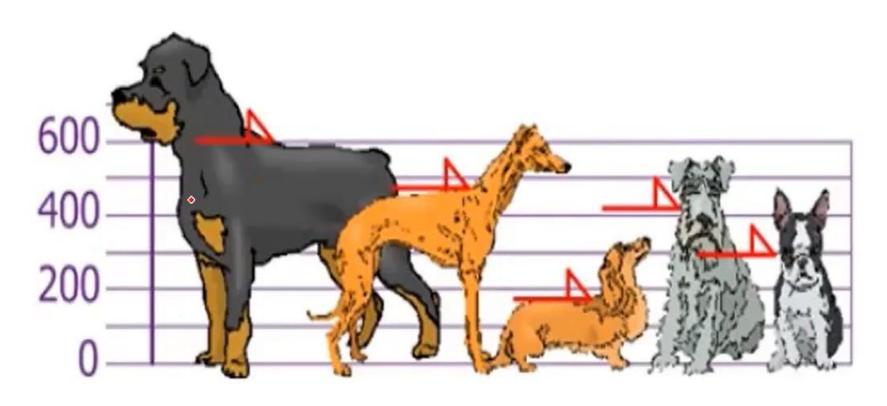
Variance

Standard Deviation

Mean Journ Stand 3 BOWIN

Measure of spread | Standard Deviation

Find out the Mean, the Variance, and the Standard Deviation

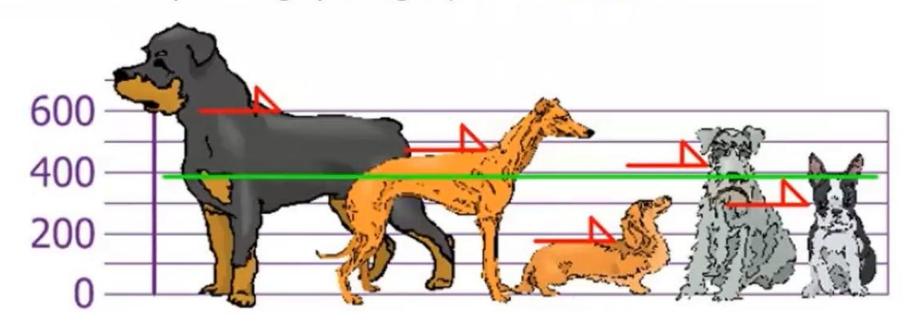


The heights (at the shoulders) are: 600mm, 470mm, 170mm, 430mm and 300mm

Measure of spread | Standard Deviation

Find MEAN

So Mean (average) height is 394 mm



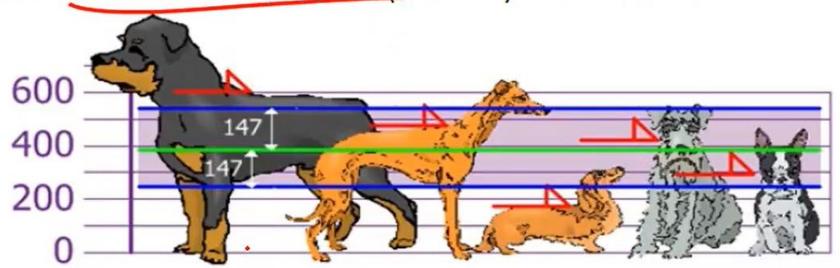
Measure of spread | Standard Deviation

STANDARD DEVIATION (σ)

Standard Deviation = square root of Variance

$$\sigma = \sqrt{21,704} = 147.32... = 147$$
mm

Standard Deviation is useful. Now we can show which heights are within one Standard Deviation (147mm) of the Mean:



Rottweilers are tall dogs and Dachshunds are a bit short



