

13 Sunday

Assignment - 2

MAY 2018

Ques Why we use 'n-1' in Sample standard deviation / Bessel's correction?

Ans For relative smaller sample.

$$(S.D)_{\text{sample}} < (S.D)_{\text{population}}$$

(Because variance affected as data points which are farther from ^{sample} mean is being squared)

14 Monday

This introduces a downward bias in estimation.

If used 'n-1', ~~it~~ in sample s.d, we make the denominator smaller in order to make result larger and leading to a 'unbiased' estimate.