Normalization Formula

(For Advertisement No. U-37/UPRVUSA/2019)

Following normalization formula is used to calculate the merit score (normalized Score) of candidates who have taken the exam across multi shifts for the same post/course.

Normalized Score for each candidate (Xn)

$$Xn = (S2 / S1) * (X - Xav) + Yav$$

S2	Is the Standard Deviation of the shift with the Highest Average Score taken as **Base** for normalization (Criteria for choosing the base for normalization is generally taken as the shift with 'Highest Average' of raw scores)
S1	Standard Deviation for the corresponding shift (to be scaled to S2)
X	Raw score of a candidate
Xav	Simple average of the Shift
Yav	Average corresponding to shift with highest Average (taken as **Base** for normalization)