Figure S1 – Equations used to calculate weight, and weighted means and standard deviations[41]

For a given kinematic variable with mean values of $\{x_1, x_2, \ldots, x_n\}$ and sample sizes of $\{n_1, n_2, \ldots, n_n\}$, weight ($w$) was calculated via the formula:

$$w_i = \frac{n_i}{n_1 + n_2 + \cdots + n_n}$$

For a given kinematic variable with mean values of $\{x_1, x_2, \ldots, x_n\}$ and weights of $\{w_1, w_2, \ldots, w_n\}$, weighted mean ($\overline{X}_w$) was calculated via the formula:

$$\overline{X}_w = \frac{w_1 x_1 + w_2 x_2 + \cdots + w_n x_n}{w_1 + w_2 + \cdots + w_n}$$

For a given kinematic variable with mean values of $\{x_1, x_2, \ldots, x_n\}$, sample sizes of $\{n_1, n_2, \ldots, n_n\}$ and standard deviations of $\{S_1, S_2, \ldots, S_n\}$, the standard deviation of the weighted mean (SD_w) was calculated via the formula:

$$SD_w = \sqrt{\frac{n_1\left[S_{1^2} + \left(x_1 - \overline{X}_w\right)^2\right] + n_2\left[S_{2^2} + \left(x_2 - \overline{X}_w\right)^2\right] + \cdots + n_n\left[S_{n^2} + \left(x_n - \overline{X}_w\right)^2\right]}{n_1 + n_2 + \cdots + n_n}}$$