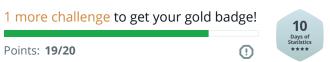
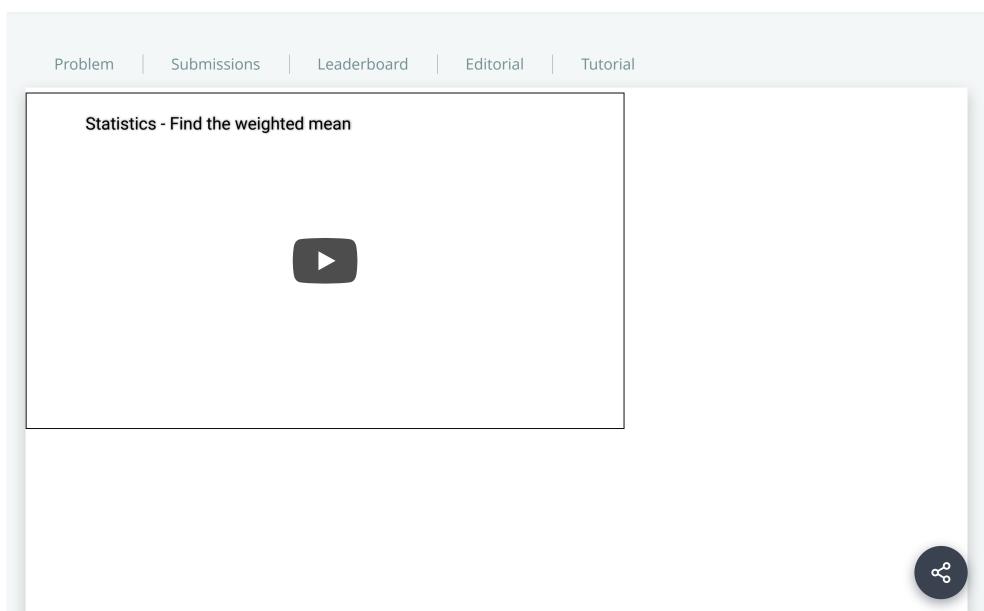


Day 0: Weighted Mean ☆





Terms you'll find helpful in completing today's challenge are outlined below.

Weighted Mean

Given a discrete set of numbers, X, and a corresponding set of weights, W, the weighted mean is calculated as follows:

$$m_w = rac{\sum_{i=1}^n (x_i imes w_i)}{\sum_{i=1}^n w_i}$$
 , where x_i and w_i are the respective i^{th} corresponding elements of X and W .

For example, if $X=\{1,3,5\}$ and $W=\{2,4,6\}$, our weighted mean would be:

$$m_w = rac{(1 imes 2) + (3 imes 4) + (5 imes 6)}{2+4+6} = rac{2+12+30}{12} = 3.\overline{66}$$

If we wanted to round this to a scale of 1 decimal place, our result would be 3.7.

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