Example

You run
$$5 \text{km} \pm 100 \text{m}$$
 a day

$$\mathbb{E}[x] = \frac{a}{b} = 5$$
, $Var[x] = \frac{a}{b^2} = 0.1^2$
 $\Rightarrow a = 2500$, $b = 500$

