

Density Function (pdf)	$f(x) = \begin{cases} \frac{1}{b-a} & a \leq x \leq b \\ 0 & elsewhere \end{cases}$
Mean (Expected Value)	$\mu = E(X) = \frac{b+a}{2}$
Variance	$\sigma^2 = V(X) = \frac{(b-a)^2}{12}$
Standard Deviation (Standard Error)	$\sigma = \sqrt{\sigma^2}$