

Normal

DISTRIBUTION

$$f(x | \mu, \sigma^2) = \frac{1}{\sqrt{2\pi\sigma^2}}$$

Some value \downarrow x
mean value \downarrow μ
variance \uparrow σ^2

π \downarrow pi
variance \downarrow variance

$$e^{-\frac{(x - \mu)^2}{2\sigma^2}}$$

Some value \downarrow x
mean value \downarrow μ
variance \downarrow variance

e \downarrow e