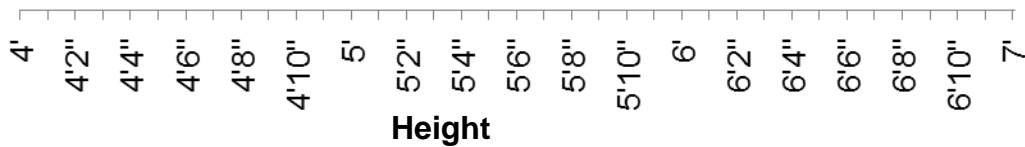
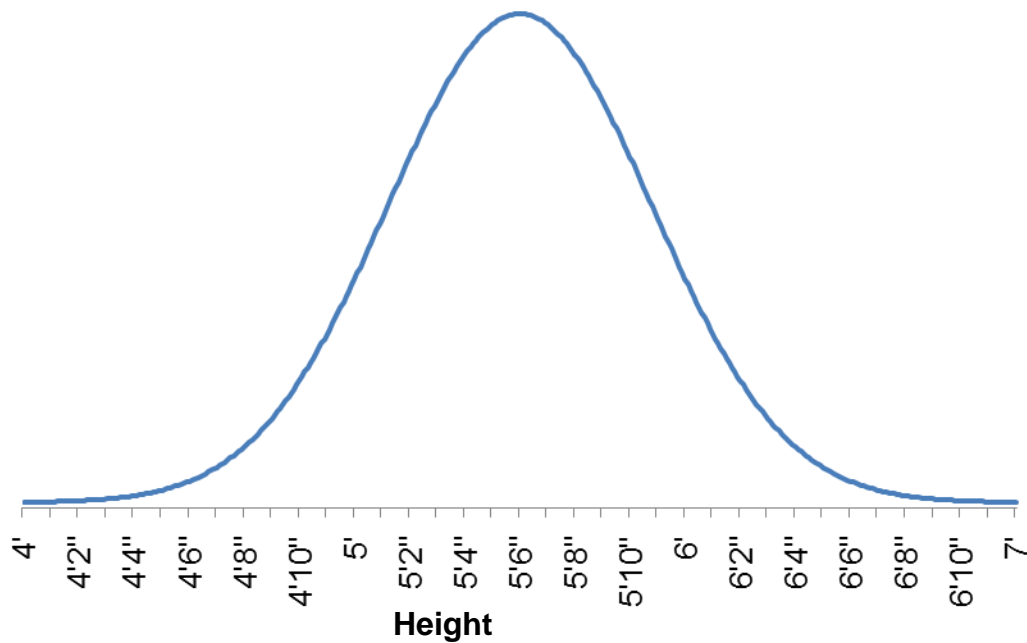




Heights of Men and Women

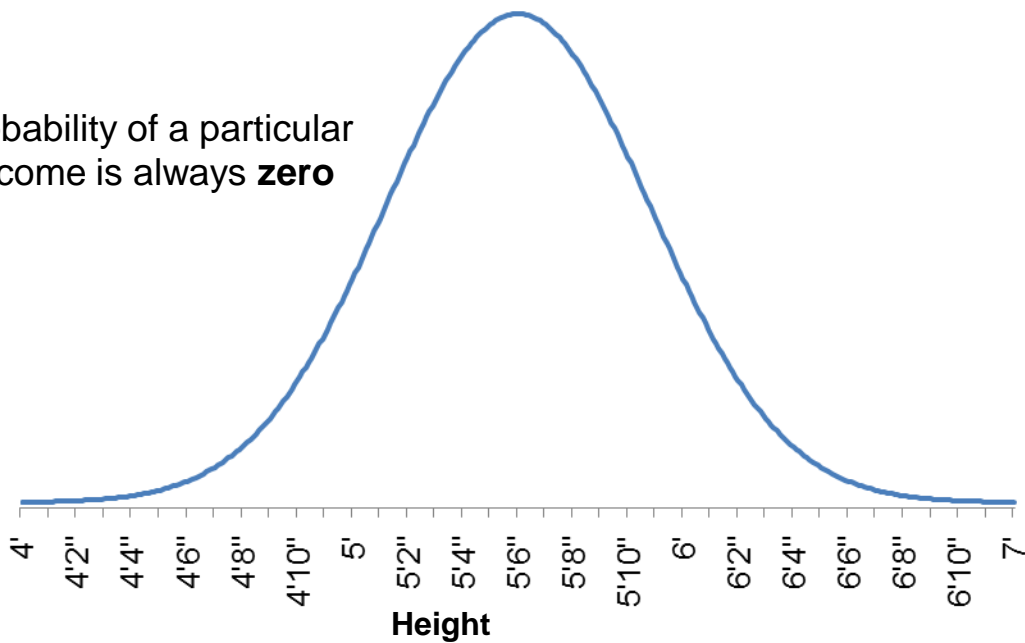


Heights of Men and Women



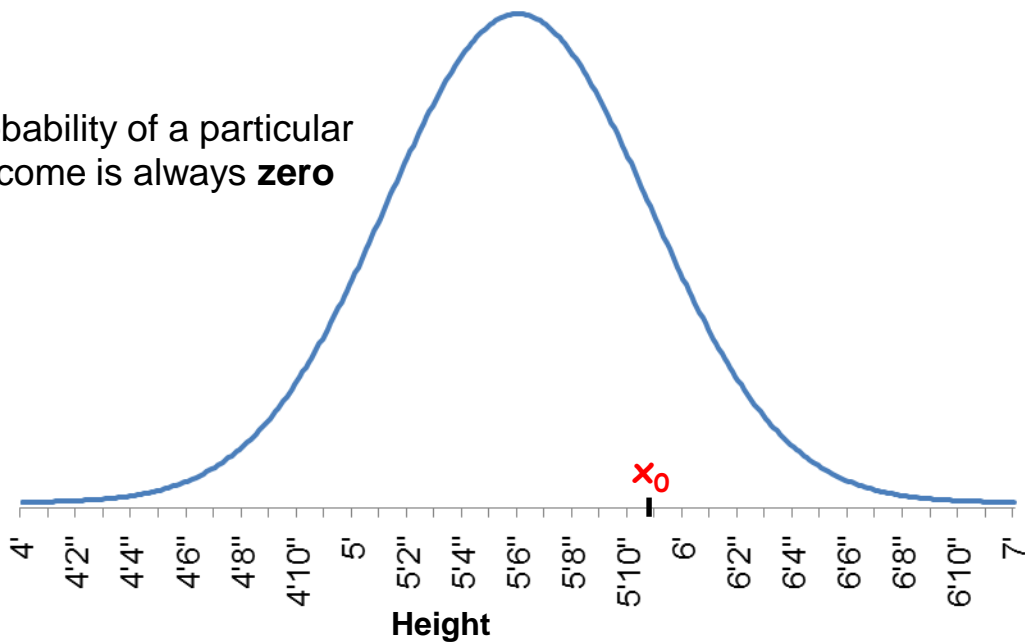
Heights of Men and Women

Probability of a particular
outcome is always **zero**



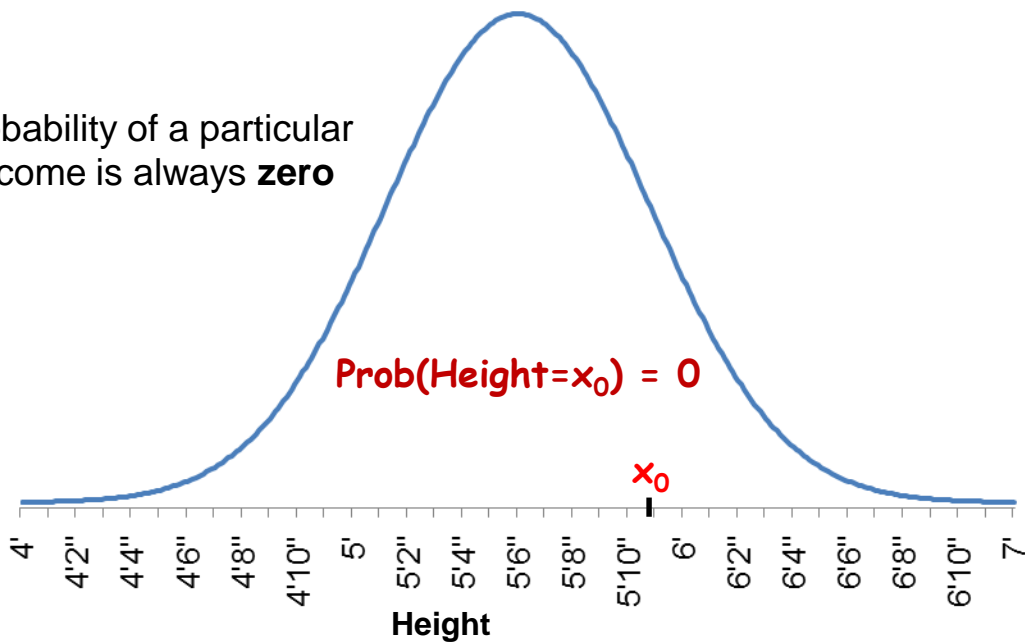
Heights of Men and Women

Probability of a particular outcome is always **zero**

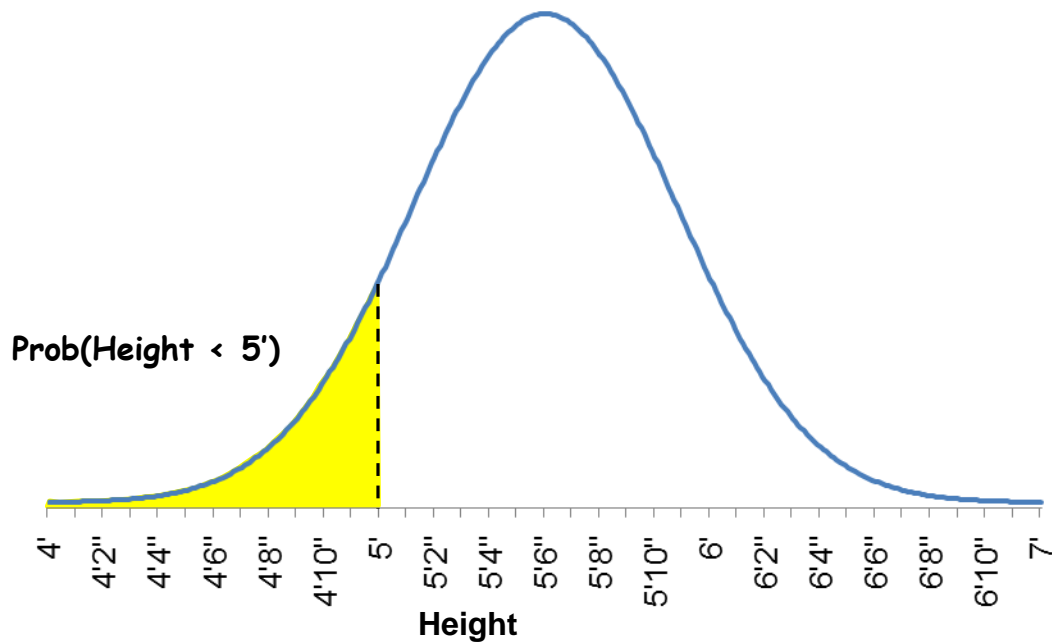


Heights of Men and Women

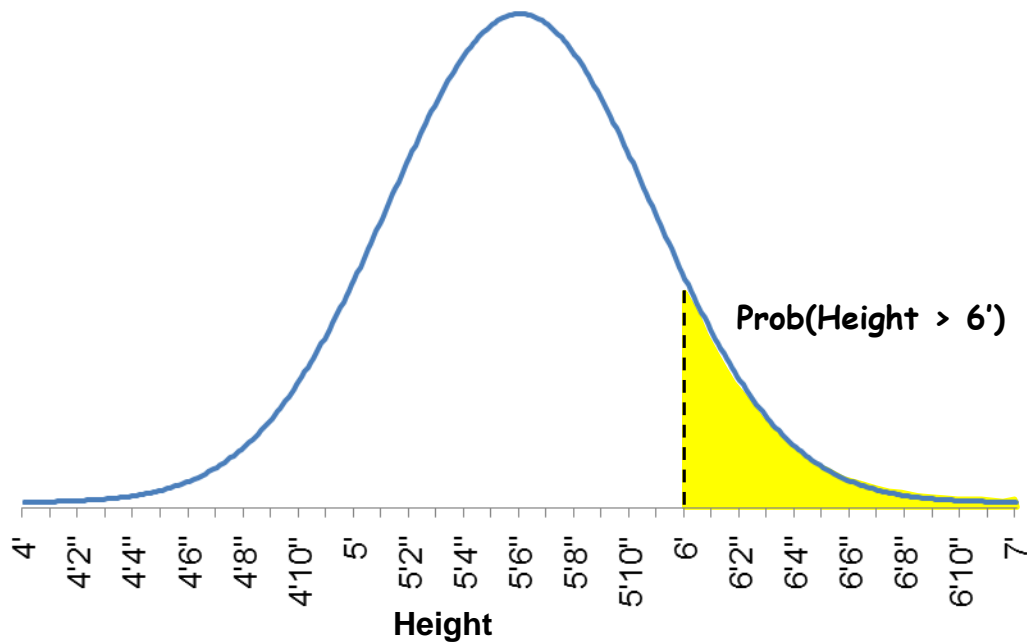
Probability of a particular outcome is always **zero**



Heights of Men and Women

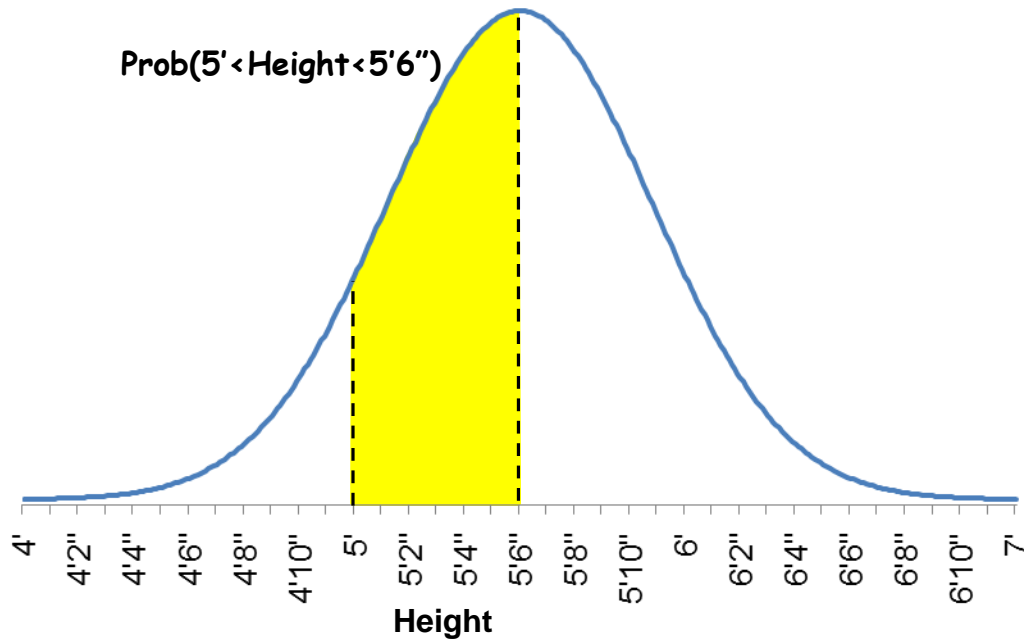


Heights of Men and Women



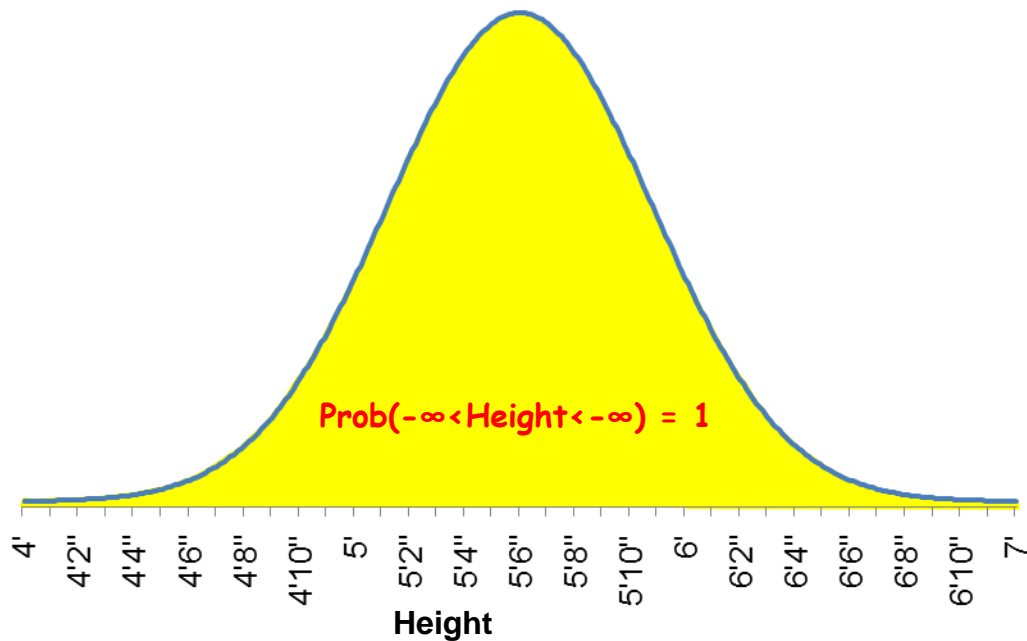


Heights of Men and Women



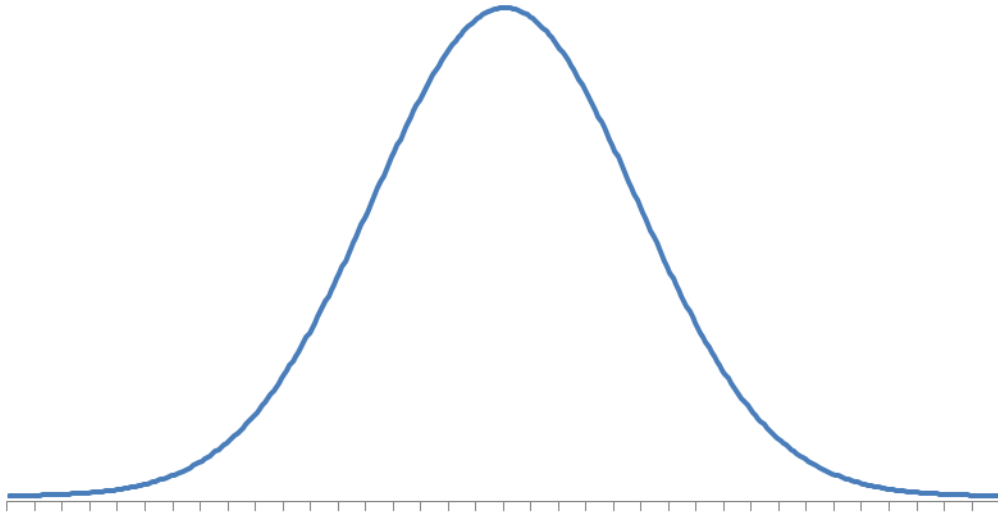
Heights of Men and Women

Area under the entire curve = 1



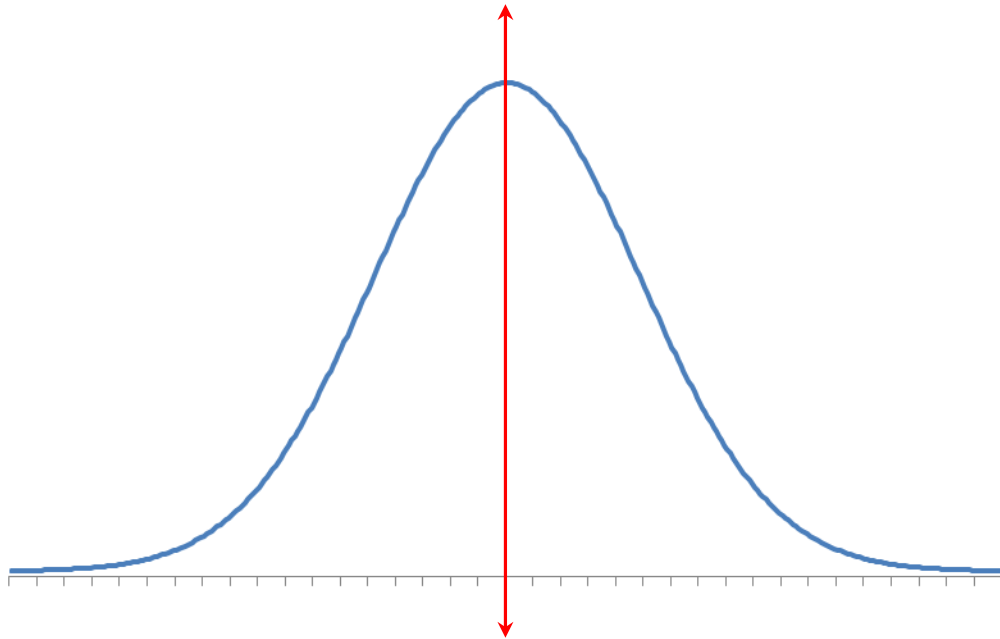


Normal Distribution, a.k.a. the Bell Curve



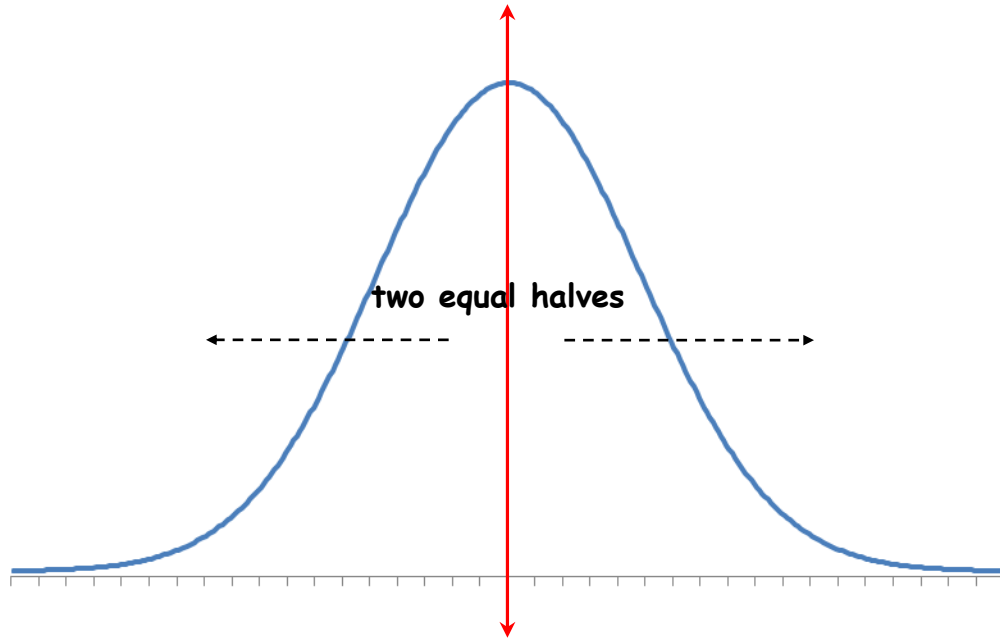


Normal Distribution, a.k.a. the Bell Curve



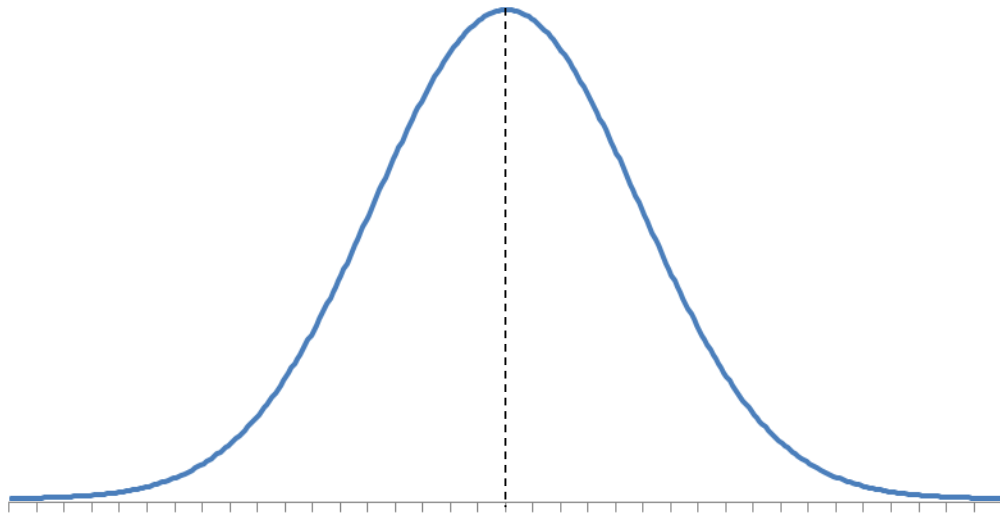


Normal Distribution, a.k.a. the Bell Curve



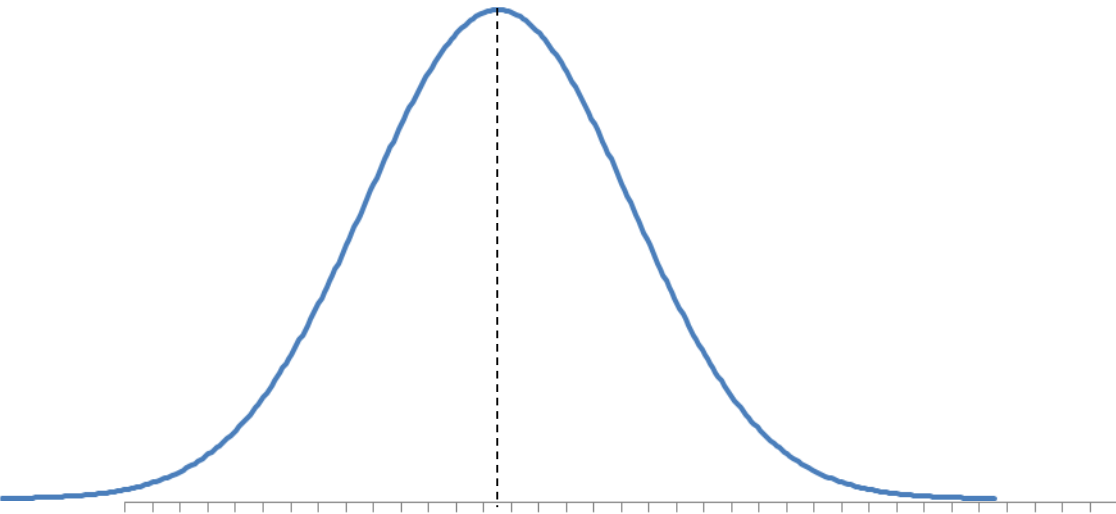


Normal Distribution



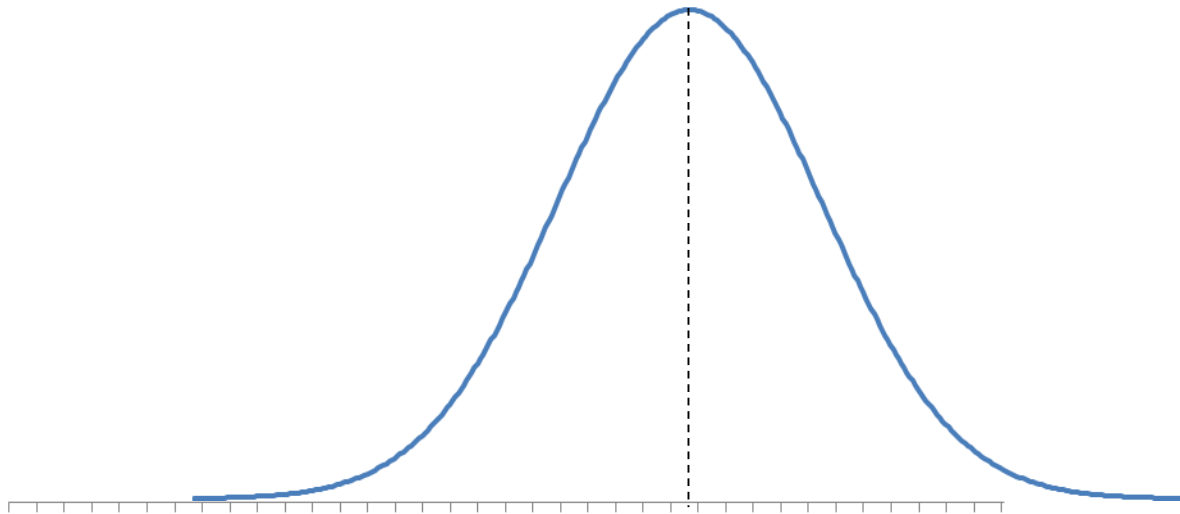


Normal Distribution



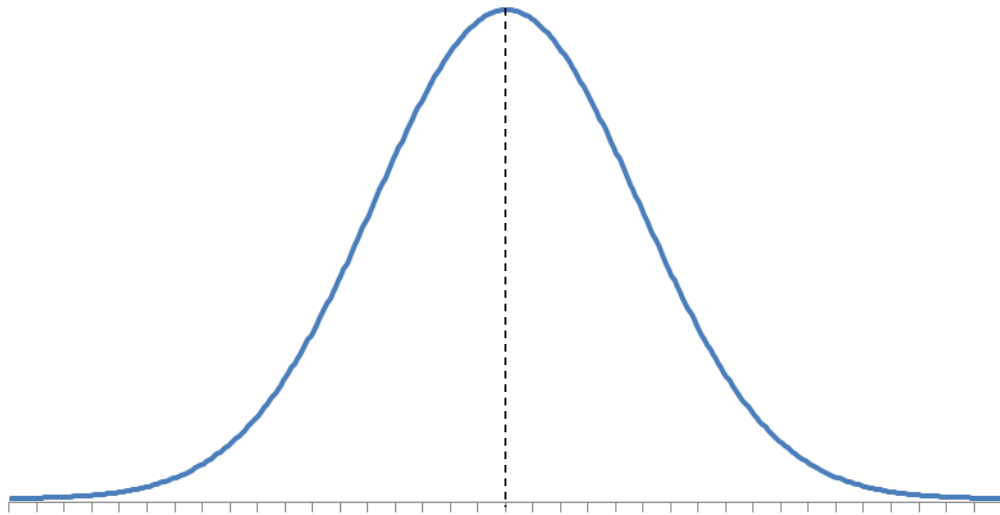


Normal Distribution



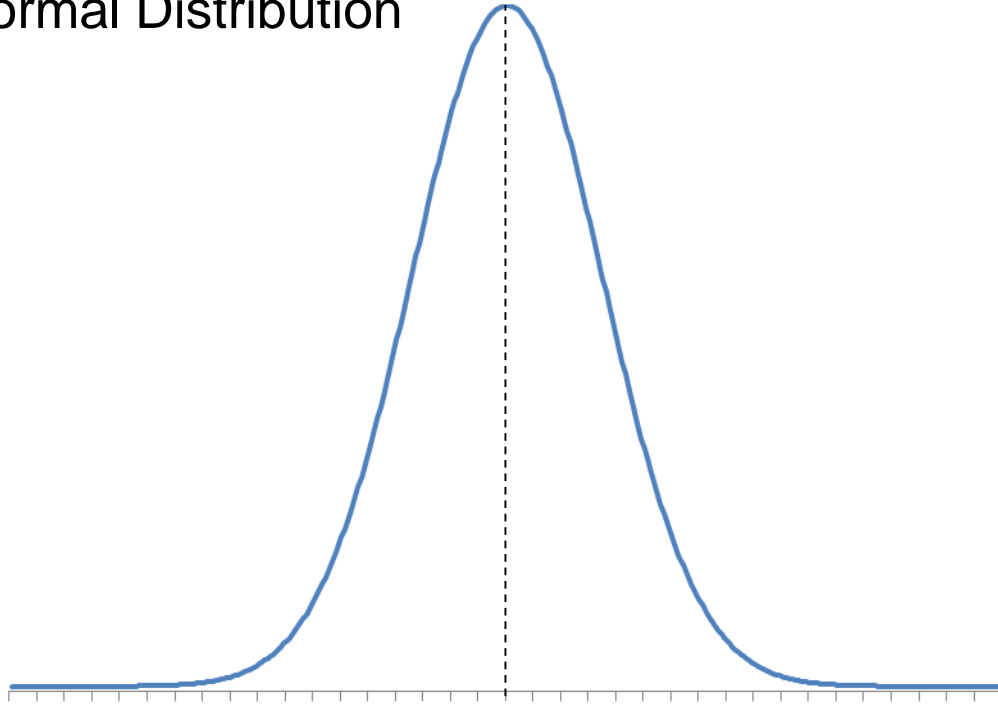


Normal Distribution



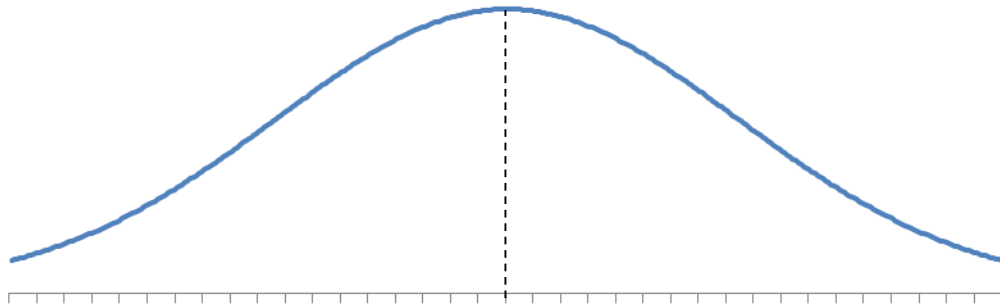


Normal Distribution



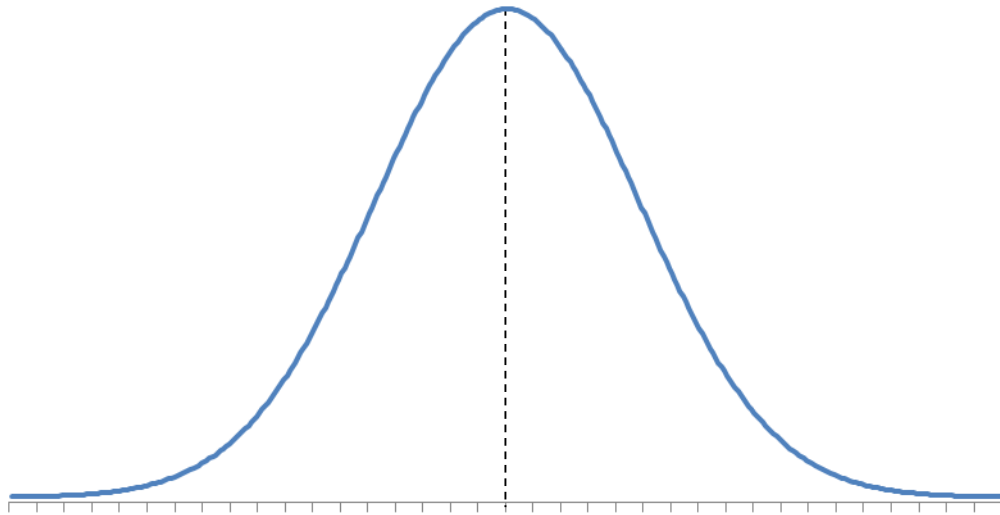


Normal Distribution





Normal Distribution



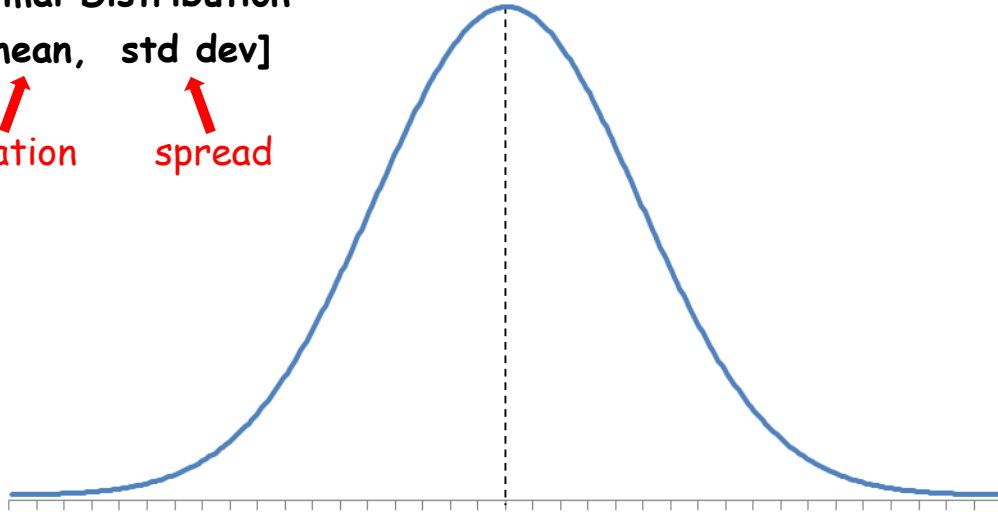


Normal Distribution

Normal Distribution

[mean, std dev]

location spread





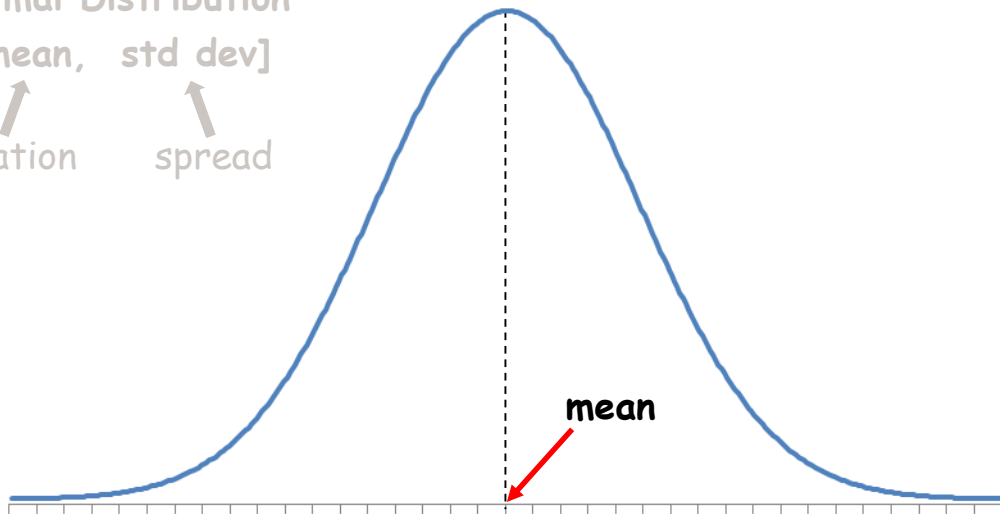
Normal Distribution

Normal Distribution

[mean, std dev]

location

spread



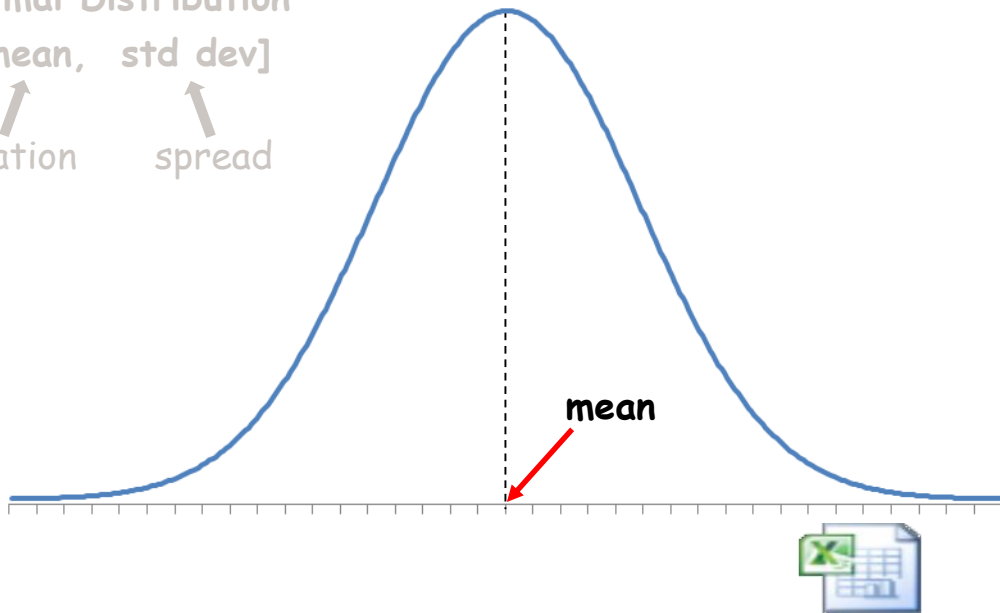
Normal Distribution

Normal Distribution

[mean, std dev]

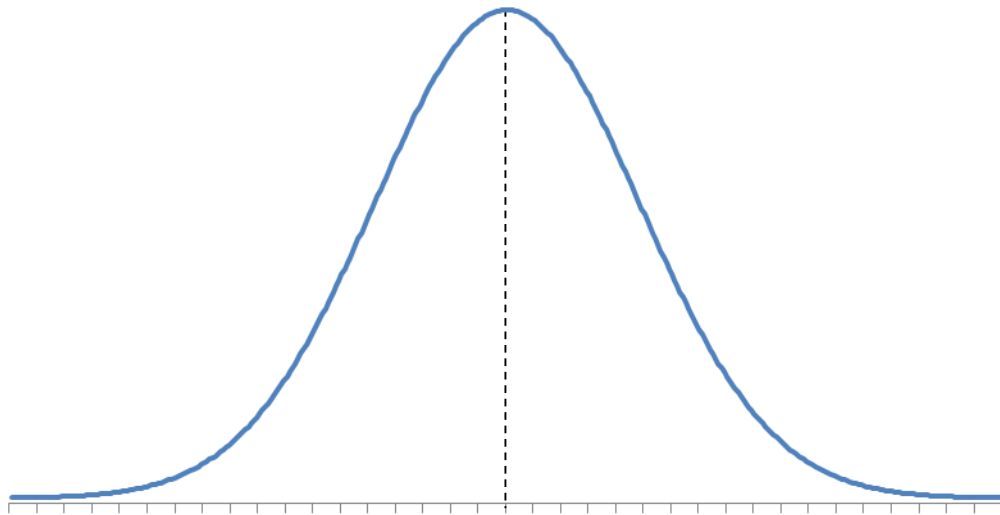
↑
location

↑
spread



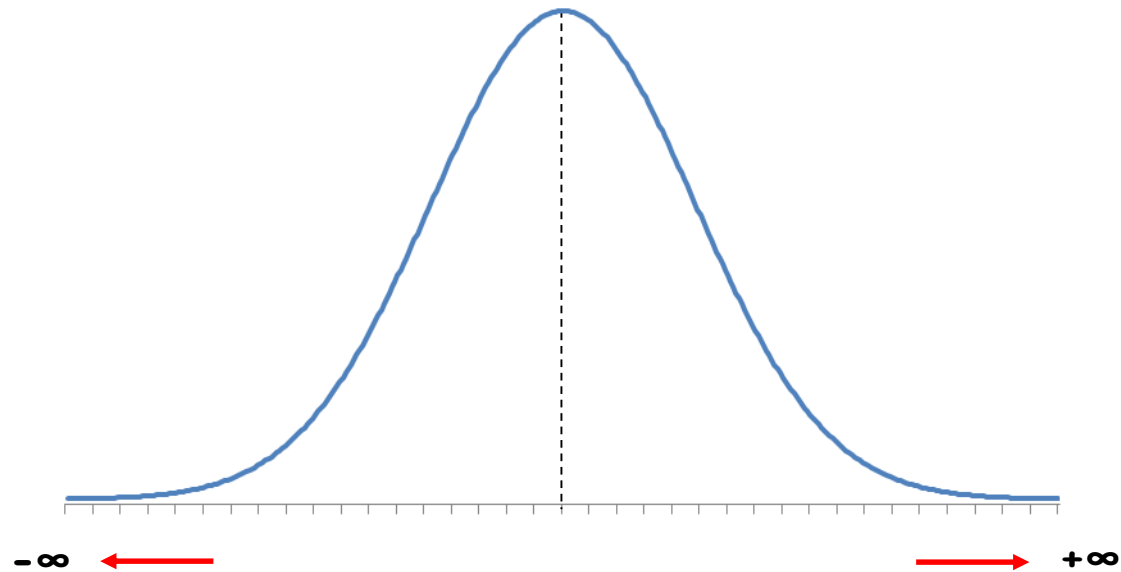


Normal Distribution





Normal Distribution





Normal Distribution

Probability Density Function

$$\frac{1}{\sqrt{2\pi * \text{std}^2}} e^{-(x-\text{mean})^2/2*\text{std}^2}$$



Normal Distribution

Probability Density Function

$$\int\limits_a^b \frac{1}{\sqrt{2\pi * \text{std}^2}} e^{-(x-\text{mean})^2/2*\text{std}^2} dx$$



Normal Distribution

Probability Density Function

$$\int_a^b \frac{1}{\sqrt{2\pi * \text{std}^2}} e^{-\textcircled{(x-\text{mean})^2/2*\text{std}^2}} dx$$