

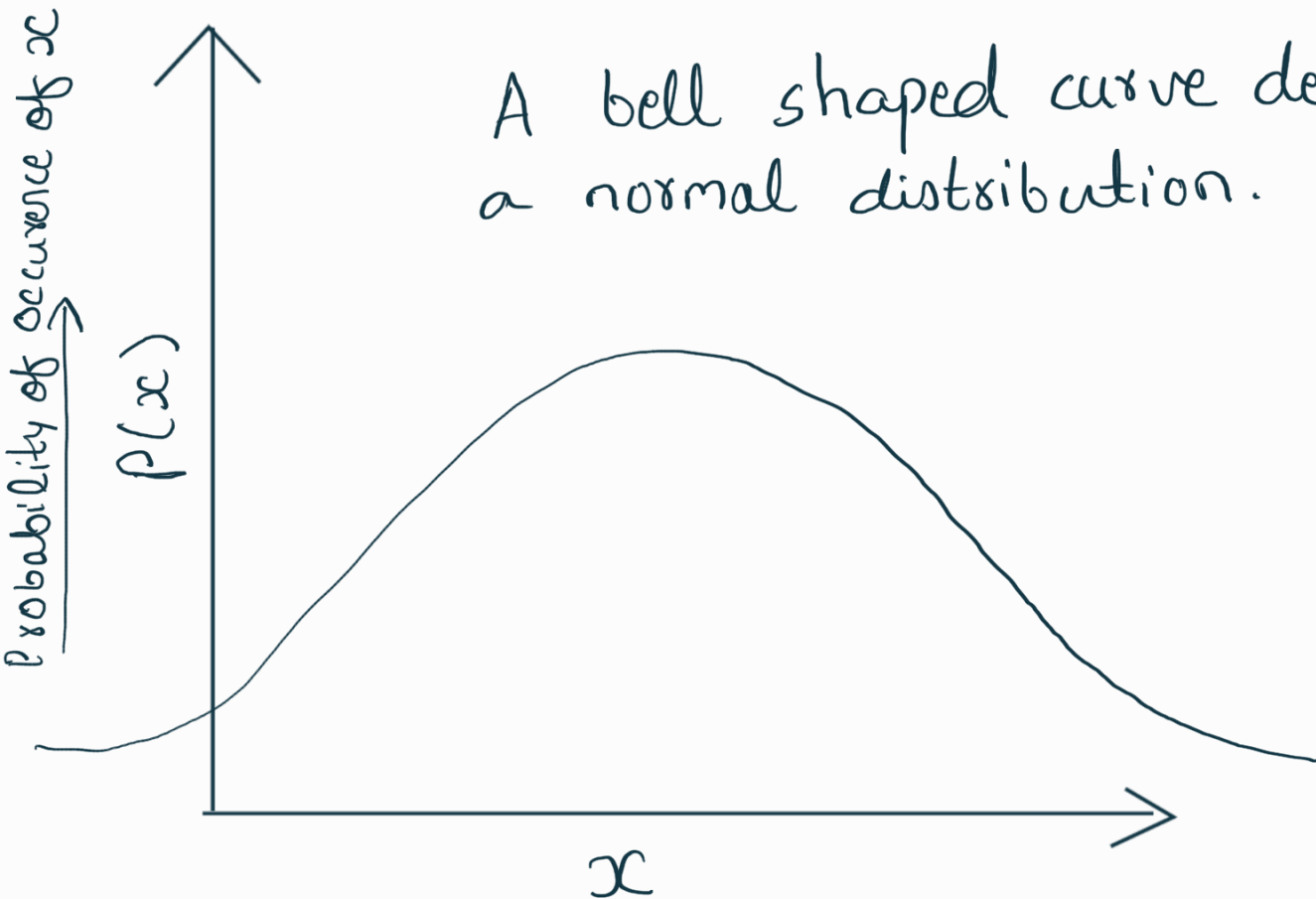
## Normal Distribution

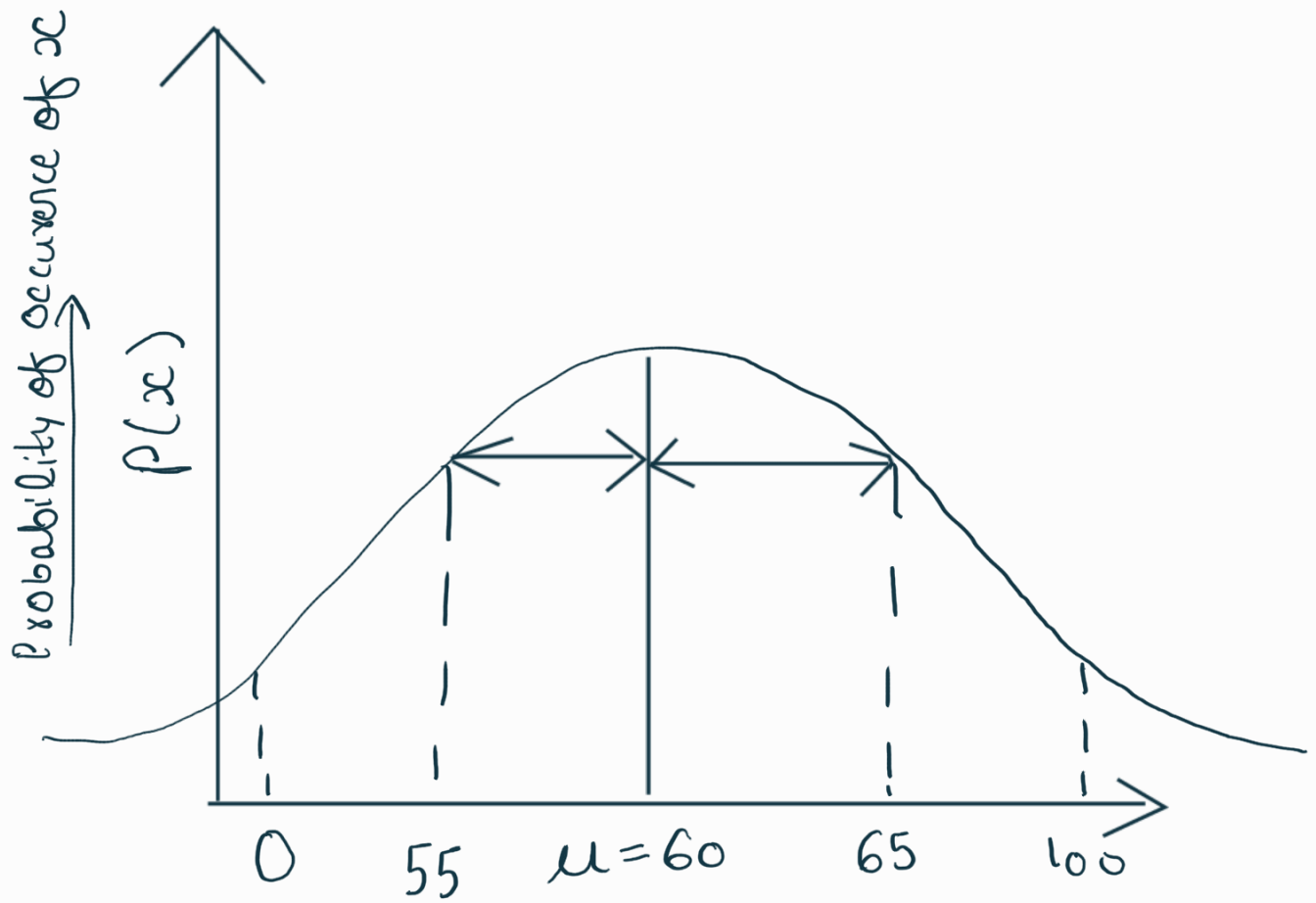
It is basically a probability distribution which has two properties.

(i) Mean,  $\mu$

(ii) Variance,  $\sigma^2$

A bell shaped curve denoting a normal distribution.

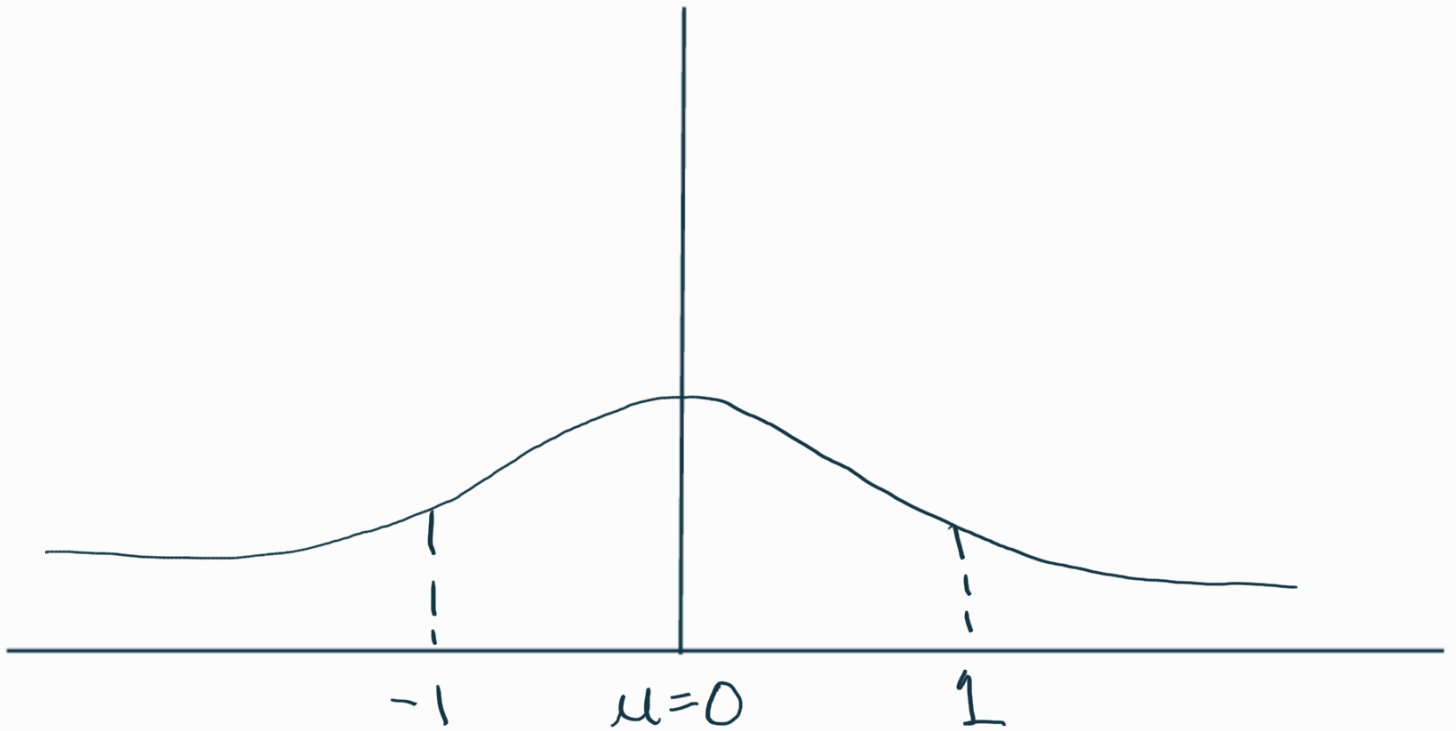




$$\mu = 60$$
$$\sigma = 5$$

# Standard Normal Distribution

It is a distribution with  
 $\mu = 0$  ,  $\sigma = 1$



$\sigma \rightarrow$  large  $\rightarrow$  More Spread  
small  $\rightarrow$  less spread

