Normal Distribution

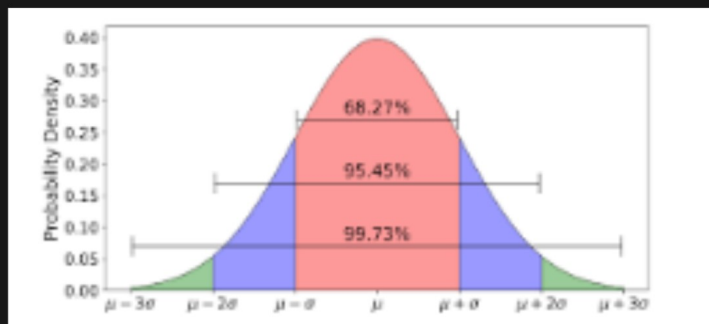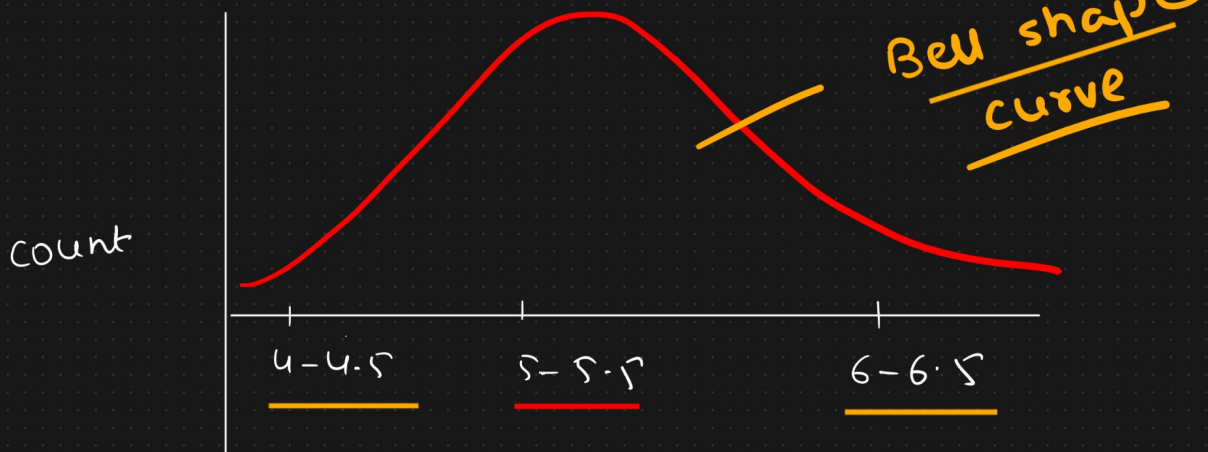| Name		Height
A	——	4.0
B	——	4.5
C	——	5.0
D		
⋮		
	——	6.0

1000 Records

$$f(x) = \frac{1}{\sigma\sqrt{2\pi}} \ e^{-\frac{1}{2}\left(\frac{x-\mu}{\sigma}\right)^2}$$

μ – Population mean

σ – Population Standard Deviation

Histogram
↳ frequency distribution

count

4 – 4.5   5 – 5.5   6 – 6.5

Bell shaped curve

$< \mu - 3\sigma$ OR $> \mu + 3\sigma$

↳

Data point Outlier