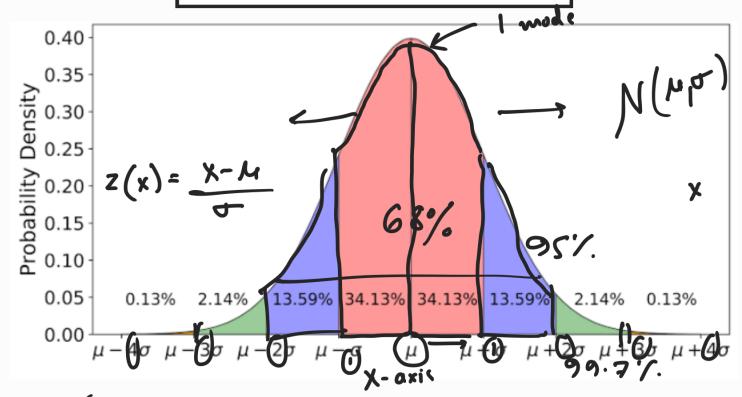
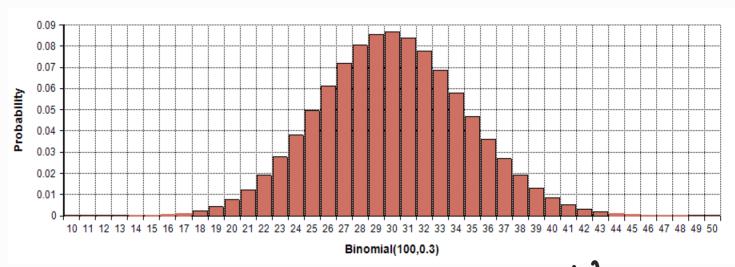
## NORMAL DISTRIBUTION



John (100 - coboll percentage, mean=4, cd= 5)

## BINOMIAL DISTRIBUTION



n = number of friel,

outromes

K = nomber et success observed in

I hid one independent

No muit be fixed

There muit be only 2 evhomes

is the come for every trial

## relating abinomial dictuibution to a noumal distuibution

$$sH = \sqrt{n \cdot p \cdot (1 \cdot p)}$$

Success-failme mule:

Binomial 
$$(n, p) \sim N(\mu, \sigma)$$

$$M = np$$

$$\sigma = \sqrt{np(1-p)}$$