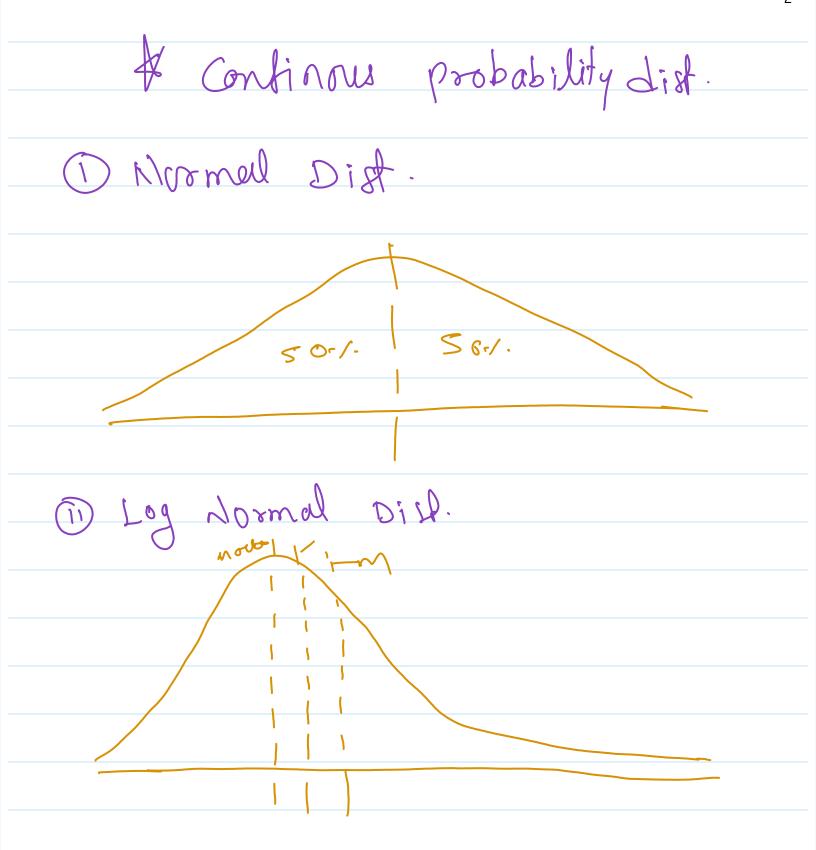
Eg! - A small business recieve an average 12 castomes per day, what is the probability that the business will recieve exactly 8 customes.

 $\frac{50111.-}{x=12}$ 

 $=\frac{-12}{2}$ 

 $= 0.0655 \times 100$ 

=> 6.5%

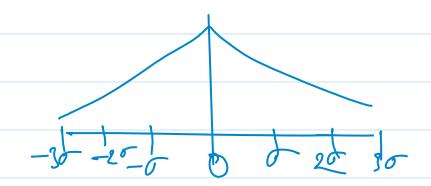


Standard Normal Dist. U=0, 0=1

Zscole = Xi-M

Dufaset = [1,2,3,4,5,6,7

M = 0 = 1



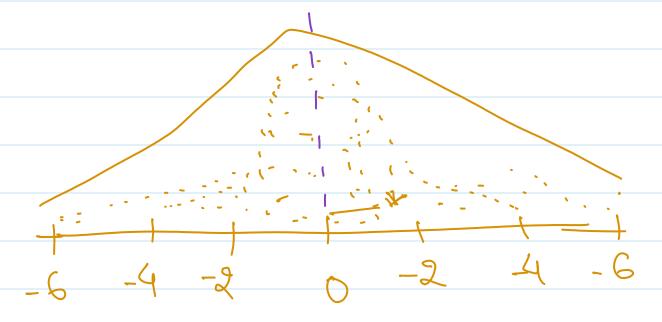
Sx / = 4

 $0 \quad Z = xi - M = 1 - 4 = -1.5$ 

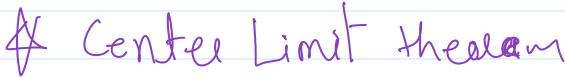
 $\frac{2-4}{2} = -1$ 

$$\frac{3}{9} = -0.5$$

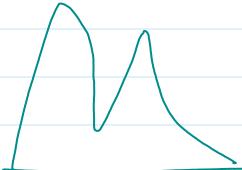
$$\frac{4-4}{3} = 0$$



=1 0.00



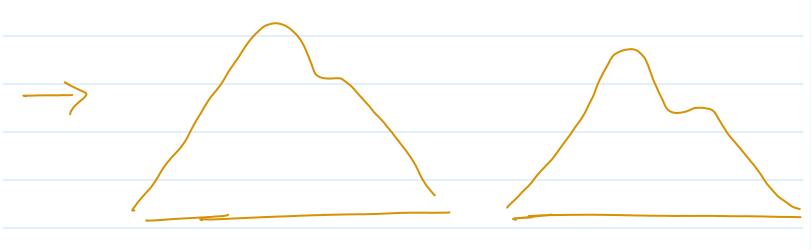
population =>



- O sample size ≥ 30
- 3 sample mean X
- 3 more sample highest chance to

40 sample = [N, N2 - - - - N40]

40 mear = [x, x2 - - - - X40]



Data [7, 7, 73 --- 740]

A Probability

1) Permutation 2) Combination

1) permutation:-

Egi. In a school trip so student facily 6 chocolate

=) [Dm, kk, mund; perk, stort, silk]

=> Pick = 3 chocolatu

Nb = (N-2)1

n = Total no. of chocal.

7 = pruc charo.

$$=\frac{61}{3!}=\frac{6\times 5\times 4\times 31}{3!}$$

$$C^{s} = \frac{si(u-s)i}{u}$$

$$=\frac{120}{6} = \frac{20}{20} \times 6 = 120$$

$$= \frac{5 \times 1}{2 \times 3} = \frac{20}{2} = 10 \times 2$$

$$= 20$$

$$=\frac{5}{3}=\frac{5}{(5-2)!}=\frac{5}{3}$$

# Histogram

[8, 10, 12, 1] [20, 21, 25, 26, 30, 32, 33, 35, 41, 44, 45, 47, 53, 56, 56, 59, 61, 67, 71, 77, 83, 86, 90, 95, 100]

max = 100

mm = 8

10.PW = 10

bin 8/2e= 100-8

<del>-</del>) 9



pot = Probability Dist. Function.

