Day 3 - Advance Statistics

1 Dictributions

Normal Dist

Standard Normal Dick

L) L store

Ly Bornaullis Distr

L) Binomial Distr

Practical

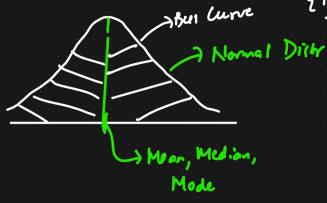
- 1) Mean, Median, Mode
- 2) Variane, Standard deviation
- Histogram, pdf Bay plot Willen plot
- 4 Tar
- (5) Log Normal Dishibution

1) Drembutions ?

Agus = { 24, 26, 27, 28, 30, 32



1) haussian/Normal Distribution



Datust 768% of 100 datapoints ag. 3%.

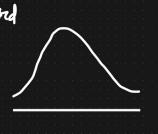
Emperical Formula

68-95-99.7% Rule

Domain Exput -> Doctor}

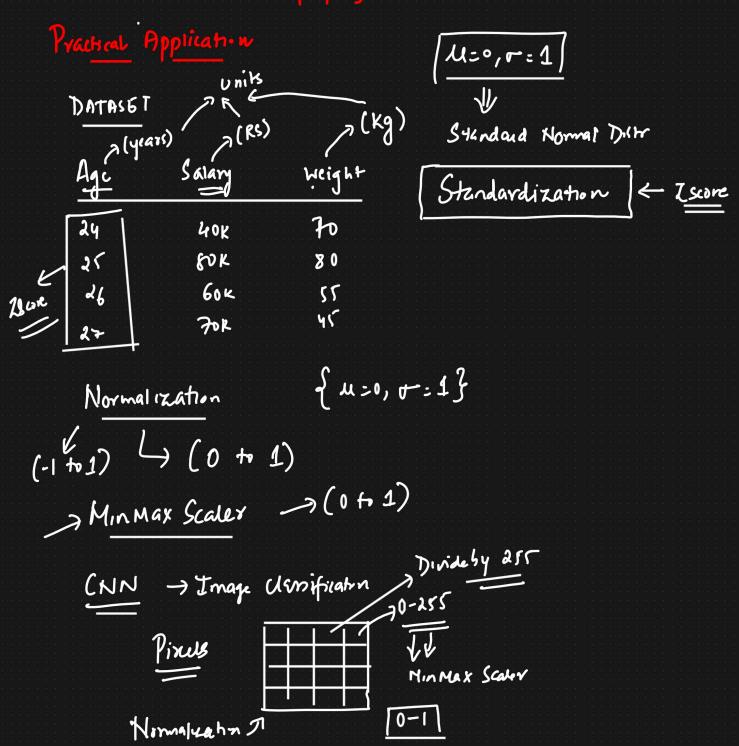
2 weight

3 IRIS DATASET



$$L scon = \frac{3.75 - 4}{1} = -0.25$$

I Sione



Practical Eq { India us SA}

O ODI series July ((RICLET)

School Average 2021=250 Standard Deviation = 10 in which year Rishabh pant final

Score was better?? Senes / Team final score = 240 2020 Sons Arrege 2020 = 260 Standard Derighor = 12 Team final Score = 245 2021 $Z \leq 1000 = \frac{\chi_i - \chi_i}{V} = \frac{240 - 250}{10} = \frac{-18}{10} = -1$ $7 = \frac{11 - 11}{12} = \frac{11 - 11}{12} = \frac{111}{12} = \frac{111}{12} = \frac{111}{12}$ 2031 In 2021 V Jn 2020 x = 245 0=12 M= 260 M=250 X;= 240 J=10 24 236 248 260 272 284 296 Question? - What percentage of scores Stats Interview Question falls above 4.25? M=4 Area of J: 1

1- Left Arca

Body Curret

$$\boxed{7 = \frac{1}{1} = \frac{1}{1}$$



DIn India the average IQ is 100, with a stendard deviation of 15. What percentage of the population would you expect to have an IQ lower than 85?

$$(2m)$$
 $\chi = 85-100 = -15 = -1$

15

and

38, 90 to 120

