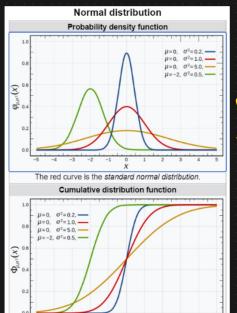
Normal/Gaussian Distribution

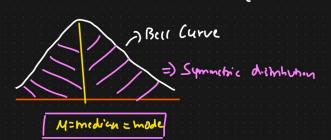
In probability theory and statistics, a normal distribution or Gaussian distribution is a type of continuous probability distribution for a real-valued random variable



() Continuous Yandom Yanable (Pdf)

X ={ - - - -

5 17 Spread 17



Eg: Weights of students in a class of Doctors?

Heights of Students in a class of Doctors?

JRIS DATASET -> Petzi dengta, Sepal Lengta

V Petzi Width Scpal Width

Researchers

Moration N (M, J-2)

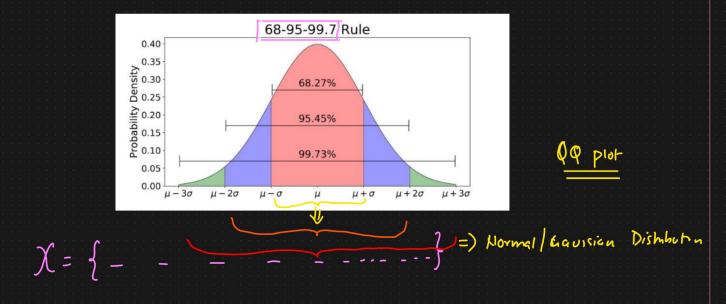
Payameters: $M \in R = mean$ $T^{2} \in R > 0 = Variance$ $2 \in R > 0$

$$\frac{PDF = \frac{1}{\sqrt{4\pi}} e^{-\frac{1}{2}} \left(\frac{x_i - u}{\sigma}\right)^2$$

Mean of Normal | Gaussian $M = \underbrace{X_i}_{l=1}$

Variance $\int_{-2}^{2} = \sum_{i=1}^{K} \frac{(x_{i} - M)^{2}}{h}$ $\int_{-2}^{2} = \sqrt{\sqrt{x_{i}}} \frac{(x_{i} - M)^{2}}{h}$

Emperical Rule of Normal / Gaussian Dishibution



Probability