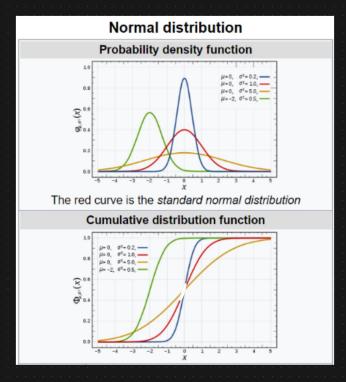
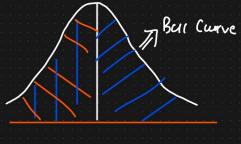


Normal/Gaussian Distribution

(pdf)

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





4 = median = mode

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N(4,02) Notation

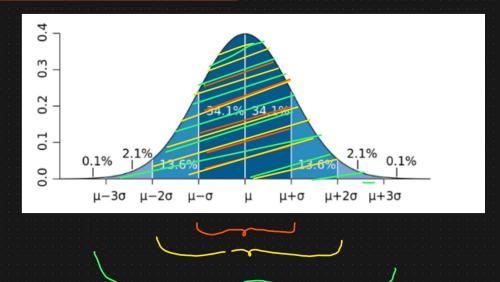
Parameters: UER = mean JER>0 = Variance NER

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

Mean of Normal Distribution

Mean = M = Average

Vanione & Std Var= +2 0 = Vkr



68-95-99.7%

X: 5

Probabil. my

Examply: 0 Weight of the student in the class

- 2 Height of the " ""
- 3) IRIS DATASET { Sepal widn}

Q-Q plot { Quantile Plot}