O EDA

1. Messer of Contral Tendercy

a. Mass

b. Median

C. Mode

Certal Today: The proposity of old a bong consorted in the cooker

a IME Km

P I'B KW

C. 1.5 Km

d. 1.1 km

C. 15 km

(here the (15) is outliers coe exculde to avoid (corosa maso)

in If there is no offices then we use means

Mean: It is the average of all numbers and is sometimes called as Arithmetre man

Median: The example median is the middle meiter in a Sequence of ransbas,

Mode: The mode is the runder that accor alons with a set of vertebox

- · Discrete removial data is 90 with mode.

  · Used the categorical data mostly

\_ Made Exmople: 37525 Mode = 5 (Most Frequent) O Meosure of Spread Dala Variability e. The althouse blood and lowed and lowed Value wathing a sol of remove - ladaquadile range (IQR) 0-25 % me whereastile also is the alara Q2-60 % Q3-75% .: Q2 is the modian Figure: 123 4 5 6 7 8 9 2.5 02 75 Q1 Q3 IQR=Q3-Q1 = 1.5-25 : Qz is rol always expeal to IQR

anappor commoby.

IOR=8.5-

- Stond Deviation (0)

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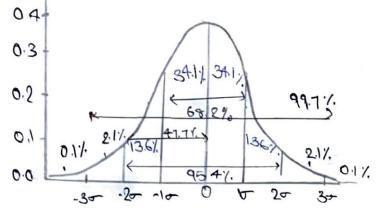
3= \( \frac{(x-M)^2}{N-1}

Ecomple

Variance = 
$$\frac{\sum (X-H)^2}{M} = \frac{10}{5} = 2$$
 Variance =  $2$   
 $\frac{1+2+3+4+5}{5} = \frac{16}{5} = \frac{3}{5}$  SD= Transace  
=  $\sqrt{2} = 1.414$ 

- Percentile / Costile

Fig.



A percentile is a measure used in stabilise indicating the value below orbids a given Porostage of aboundaring a group of aboundaries fall.

O Distributions

The graphical representation of all observations

is also known as distributions

Type of distribution

Oreade

Destribution

Oreade

Destribution

- Narad Dehladion

Word distribution, also known as the Gondon of the lands and a set to coiledintelle utilidading a en II and side of the coiledintelle utilidading a en II.

·Which follow 3 a rule ·Most prefered in the pipeline ·Bell shaped Girve.

- Reportion of Wound Gausian dis

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3 · Condral lind thrown.

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s. Ollo

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1. Empirical rale		
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- How much showness and kentous.

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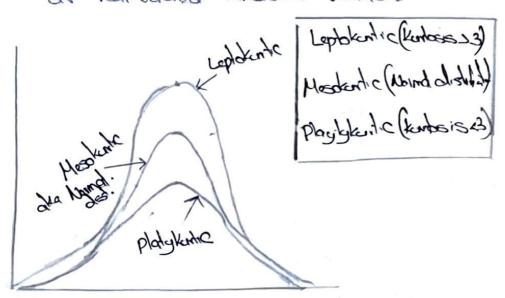
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If showness is > I or < -1 - > highly showed.

A showland how hold belowed B.

- Kudosis.

In probability throughout and addition, kurbos is a moose of the probability distribution of our real-valued randoms variable



Which is Bed-the Mean, Median, or Mode?

When you bould a grandried of distribution or costous.

When you have a grandried of side are equal. In this delay are a good in this case have a good in this case have a search and to case the mean because it include a of the data in the calculations. However, the your case of a standard distributions, the median of all of the bod measure of costral tandary.

· When you have abgoried or decide days, the modern or made is cardly the bookdains
For categorical data. You have to use the mode Protoroble: Normal dist - Hear Steward dist - Modian Categorical des -> Mode - Conedias Distortion is Normal Distribution caling lastenation a pulled by england calibrational and applying it to the dala. Las Transformations. [Each adda point is vertical with log(x) to Square and Transmations (Each data pars) is replaced by il

Respond Tours and color of the Figure formation [I takes the reverse of a R /2] Box-Cox Franslormation. (Franslormation of ran-round deported Variette lamon de attorno Recess To transfer the date to either reduce the exercise or to remodize the date a empty mote the prolablem of alsoo plab

-Oillate.

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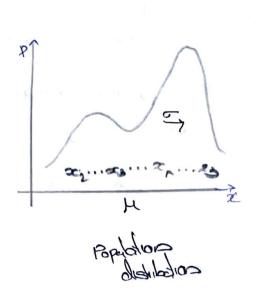
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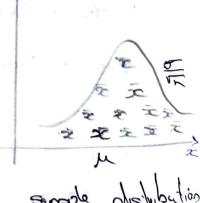
· CLI in one surpose "Evers if I'm not named , Also and is

When more colloding mound the samples have and old the most of samples takes for calculating the most

. Rule of Abound: the sample should be bigger than 20 Observations or ("30")







angle distribution