TIME: DATE: /

## Statistis

science of collection, presentation, analysis, resonable interpretation of data

Frequency Distribution!

Age	1	2	3	4	5	6
Friequen	ъ	3	7	5	4	2

cumulative Frequency:

				32012011034		
1	2	3	4	5	6	
5	3	70	5	4	6	
5	8	15	20	24	26	
	1 5 5	5 3	5 3 7	5 3 7 5	5 3 7 5 1	

Data presentaion

- Numerical STON 1 = 01 12

- Сптари

- Categorical - Care phatel, pie charel

- Numercical - histogram, box plot



Bar chart

histogram

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northelighed paraupant

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## central Tendency

Mean (ng)

Median

Moode (Speaa)

Varciance

2,8,2,8

Mean = 
$$\frac{20}{4} = 5$$

varciance =  $\frac{(2-5)^2 + (8-5)^2 + (2-5)^2 + (8-5)^2}{4}$   $= \frac{9+9+9+9}{4}$   $= \frac{9+9+9+9}{4}$   $= \frac{9+9+9+9}{4}$ 

optiman SD is 5+3=8
5-3=2

[24087

GOOD LUCK

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201 baland feel harmoned

Distribution

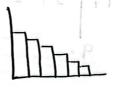
Uniform distribution;



Left skewed Distribution:



Right skewed distribution:



Normal I gaussian distribution:



- \* Bell Curse
- \* Mean = Median = Mode
- \* symmetrical []
- \* kurctosis 0.263
- \* Asymptotic -
- \* Mean starding point
- x -350 to +350
- \* 1000 case
- ¥ 3413, 1350, 215

GOOD LUCK

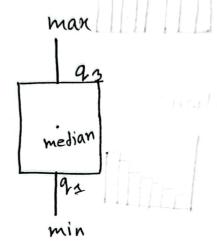
,

Deciles : Data/10

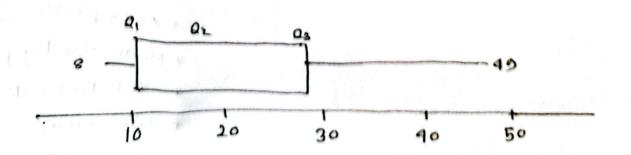
Percentiles: Datalloo

Quartiles: Data 14

## Boxplat:



owlien:



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## Coefficient of correlation

$$n = \frac{n(\mathbb{Z}xy) - (\Sigma x)(\Sigma y)}{\left[n E x^2 - (\Sigma x)^2\right] \left[n \Sigma y^2 - (\Sigma y)^2\right]}$$

Zscone

Tscore

T= 50+ 10Z

GOOD LUCK