

Fesher -> Jather of Statistics

Key words

Repulation Sample data

Descriptive states -> describing proporty of data.
Inferential state -> drawing conclusion from info

Data | Dualstative / Categorical.

Robes of Statesties in day-to-day life's-

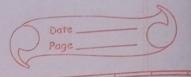
Economy

Insurance [premium of insurance]

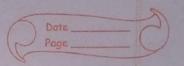
Medical

Education

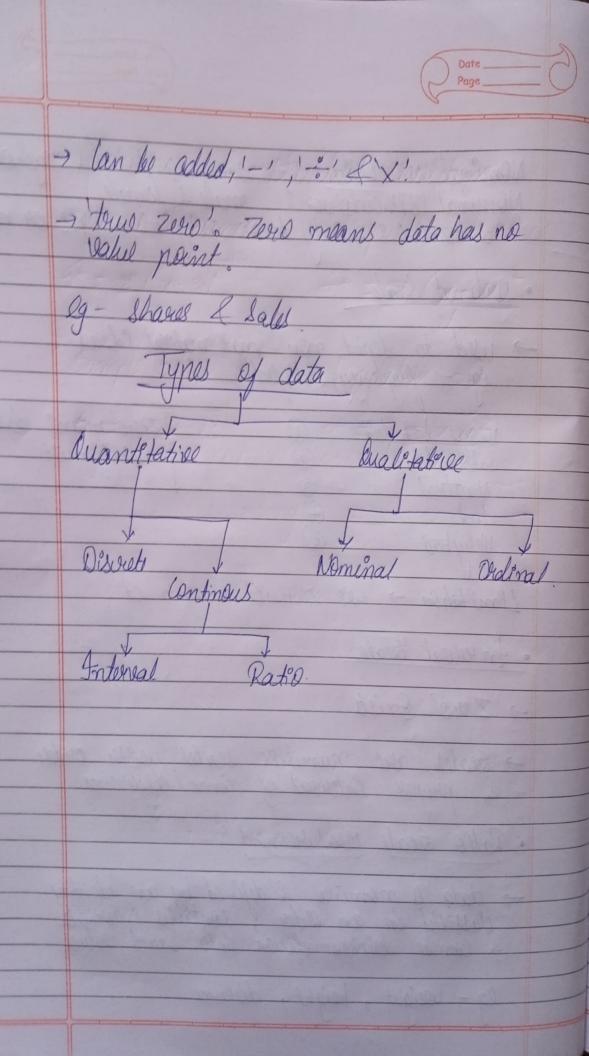
Meteorological department

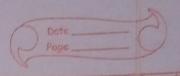


· Limitations of states ?-
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47 Statistics is lander to the misused.
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Dud Bon /
Interval
-> Ordenal -> Interval -> Ratios
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Tour song word.
on - our colour, pourtous of
eg-eye colour, country, etc.



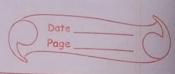
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Di chotomous :- only two catego	ues yes or no
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· Ordenal Stale.	
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- Used to depict non-mathematic	al toleas.
-> used to depict non-mathematical eg - frequency, satisfaction, etc.	
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- data il nominal & defined by	an wentity,
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eg - weight, height, déstance.	
ay ways	





Ch-2 Measures of Central Tendency. -> Mean (x)  $\bar{x} = \bar{z} \times \text{ sample mean}$  $M = \Xi x$  population mean -> Medlan (M) divides data in two exact halfs. Quen N/2 + N+1/2 N/2 , N+9 +1  $0dd \cdot \left[ \begin{array}{c} N \\ 2 \end{array} \right]$ - Mode most prequently occurring data · Measures of Variability or dispossion 8 measures → ) Range 2) Voridnel 3) Extender deviation

R = X man - Xmin



BANN

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News and Salaron

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-	Porulation Valerance
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	Sample 50 Population 50.
	$\frac{5-\overline{z}(x-\overline{y})^2}{\sqrt{n-1}} = \overline{z}(x-\underline{w}^2)$
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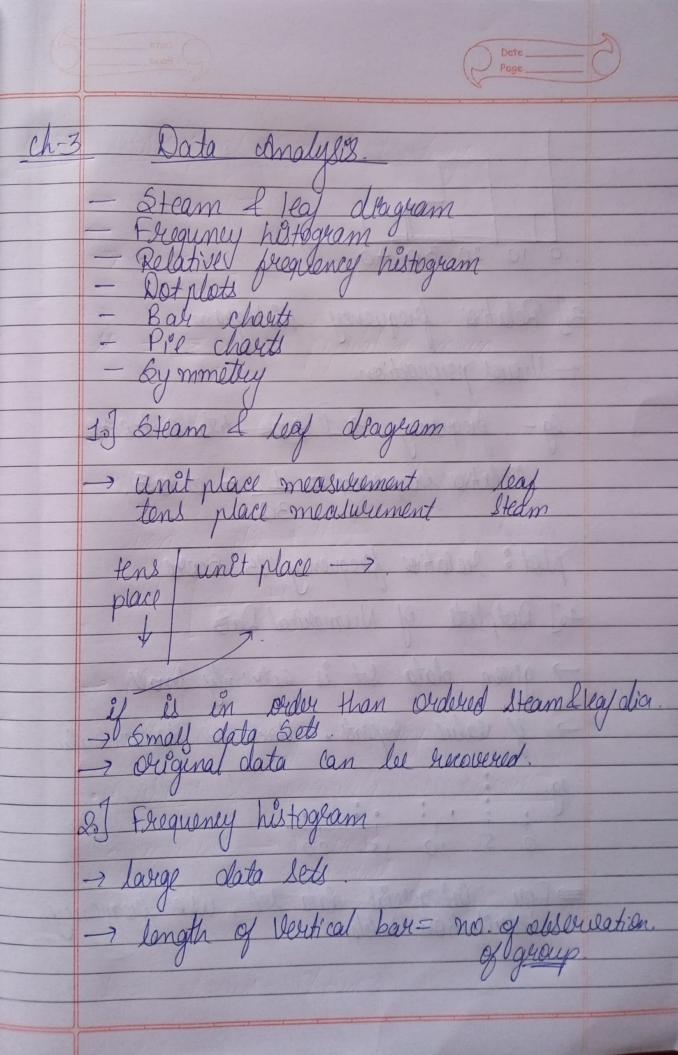
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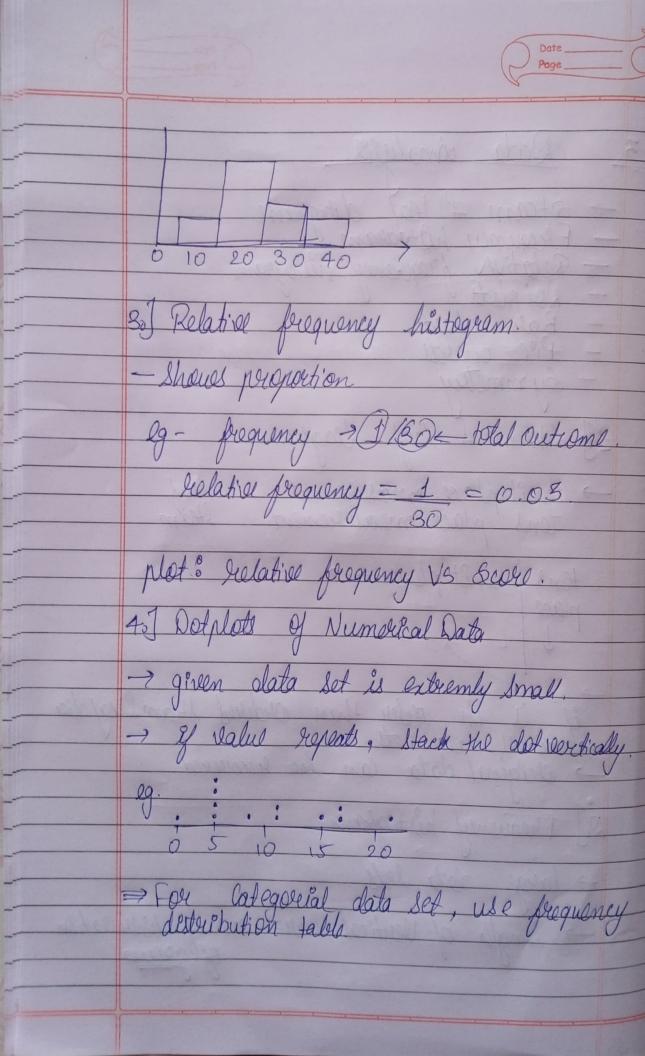
M. College

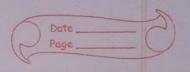
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0-1-10-1
helative frequency = frequency not of destruction in data set.
no. of downlation in data set.
50 Bar charts:
-> weighth of each bar similar.
60] Pre chart
Well - rupholo data
Librels - rushole data Sirces - possible categories
less categories most effective.
Stro Seze 3- 860 x (Lategory relative frequency)
· Symmetry
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- close to being symmetrie are called yphone mately symmetric
approx many from
- data set is symmetric about value no.
if the frequency of values no-ct
- data set is symmetric about value no.  if the frequency of values no-c & no+c are same for all c.
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Applicated Tomography