## Statistics

Statistics is the collection, organization, summorization, and analysis of data fore policy purposes.

Example: A prospective burnersman is planning to initiate a burners and trying to identify the factors that determine loss on Aufil in burners. He guesses investment, experience of Sales personnel, floore space, income level of the consumers etc. are some of the determining factors. A statistical investigation will help him to justify the guess.

Explanation: Mut with and Charter and charter the country of the c

income level TOSKIT TOTUS GOOD factor. - BIRIN - GET GETA factore For lota Passent farmacy 72000 information Tami Too invot som area and ale as site information orenor Oz infortmation zour do data. 2124 centar jungsig sonz jorgen data Frans TESTO 2m coma data collection. Data collect 75073 Mg winto ceramo const snomb 2001 exist 2m data organization. organiza data 700 summerize with 201 Cran resola lass rathe HI 120 BB value 2001 PARSV. Torgrat data collection, organization, Summercization servol governor, Olasta Carpara Larget wetway do organ analy 2e 75901 12 mar priscens-org 2m statistic. cerror 257- 42 Explanation (2000 Statistics as definition cteat.

## Dala

Data is the information coming from observations, measurements, counts and responses.

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measurements -y program measure son snoop our 1

Country — I cashour count so's such such court

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whit washing sate for items! and con

According to collection method data we of two types.

- 1) Primary data
- 2) secondary data

Premary data: Premary data are the information recorded as part of orcitival study. When data required fore a particular study can be found neither in the internal records of any organization nore in the published sources. It may become necessary to correct original data to conduct first hand investigation.

Explanation: prumary data sont ansize gover over content sono or ansizetion of the data more sono of the fator collect

Methods of Primary data collection of Doservation method observation method of the observation method in the most commonly used method expecially in studies relating to behaviour science. The information collected in observation method without asking from the respondent.

Examination of themical mixed soft reaction—

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(ii) Interview method: This method can be used through personal interview and if personal through tetephone interviews

personal interview method requires a ferson known as interviewer asking question generally in a face to face contact to the other persons.

- Peterhone interview requires the interviewer to collect information by contacting the respondents on telephone and asking questions on opinions onally.

(111) Collection of Later through questionnaine
It is being adopted by private individuals,
Trosearch workers, private and public organization
and even by governments. In this method, a
questionnaine is sent to the respondent
Concerned with a request to answer the
questions and return the questionnaine.

Collection of secondary Datassecondary data may either be published on unpublished data.



	- Collection of published Lata.
-	· Publications of government
	· Reports of various business, banus etc
	· public records
	· Statistical orc. historical documents
	- collection of unpublished Lata:
	· May be found in diaries.
	· letters · unpublished biographic etc.
	on Allerian, Result order to be to the first
	According to measurement scale date will of four types
	1) Nominal dater Jy Qualifative.
- 1	
(	3) Interval Later 7 guantitative
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	Bridge Inch In Contract of the

- 1 Nominal Data: All qualitative measurements are nominal regarders of whether the categories are designated by names (Any name of people, mate, female, muslim, Hindu ete) ore numerals (Room number 101)
- Diedinal data: When there is an ordered relationship among the categories. Example: Social status (Lower, middle and ligher class)

Book chapter (184 chapter, second chapter etc)

(3) Interval data: Internal data are there where the distance between any two categories is known and constant one important feature of interval data is that 'zero' is not actual 'zero' hore

Example: Tempercature reading of thermometer, Clock time.

(4) Ratio data: Patio data is that where there is a unit of measurement.

Addition, subtraction, multiplication and division can be applied to reation data and 1 zero! is the actual 'zero! here.

Example: Height, weight, distance etc.

## Variable

A variable is any characteristic that can vary from person to person, object to object and phenomenon to phenomenon.

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Explanation: variable 2nd Growth characteristic.

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Height Growth variable. Forestoning height

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Go data.

Types of data (2000 4 For. rominal, ordinal, Internal, Ratio Qualitative grantifative. Mes of variable 13 Groz 1 rosson variable of value à 2m data. one lawles sale aray. wante tables adding the - Janiet the single died to be at the By and the state of the state o Dermonado el monerante de la face The state of the s And the state of t The state of the said