* The primery (d) are those which are already been collected by Romestra exiginal in character. collected for the pt time & are thus reasons to which his parted storange 2 catagrites -> princey data & herondary(d) Sec. (1) are those which hus Statistical data are classified under Recondery, who data are quelished by antil organisation. actually collected them. hallaced by the organisations that nepending on the Source to be more olata are pulliphed primery source / Reconstitus southte of distant of the imp () of a Phenominan always begins with collection halated to the topic of stoley. most heliable & aquonate data. statistician to to arrange & Collect The source of data are laid Data may be obtained cittees from The Source of data ave COLLECTION OF DATA. 3) Indivect soul "unustigation :-=> Methods of collecting podatas * Demerits : -> mounts :-- uniformity in the Collection of * This needhood is decidately when the * lave home to collect data for them - More accumate * Hours o) Direct personal Investigation -+ more complex data can be analysed. * Simple * Lauge order can be consuled. the statistical more expensive of three consuming. original data are collected. THE can be wied soily who the asses of investigation is contact with the possess from Relable into the info- is to be obtained. area to investigation is very large knowledge about the Enquiry. persons who may parter Reme Sames Those is a face to face movey, time & labour. En Convincent. Latte to the Color of the Color Small. mil chine then to ango.

5) Information thousest correspondention In this needlood the investigator olses not collect the info elivectly ains & objectives of collecting the into Mailed questionies nothers :-It is also cosocies a quequest box the The (end) contact tere informence, get turbice The (que) mailed to the informance. in a questionies form. E GIN them in tracin ocen hand constring to the questions conveyed in a smaller + Jemesity: encincerators. that of centing schedules through shedules sent through a commencetory. In this method of collecting classes. It may not always be accurate を見せている・ (4)

) should be as been questions as partitions. The follo... asse the points to be borne in mind while obabting a god (a) latherter the info by greetisating informats. (a) should be simple & fasy to undousted in form ant, while shedule is filled by a tracencel everines extes antes dates

3) (a) . Shaceled not be ambiguous

5) (6) " be such that they will be austremed culthant bear should follow a boilear figures ce

8) specific into (9) should be included first timbus himsesson so tou ... (b).

9) open (9) ought to be avoided.

10) Instructions to be informants should

(9) & hould be capable of objective on be given .

13) pre testing the (8) 1) (q)" shalled book attractive (pustionaiste

14) (b) suggisting calculations should be asked.

-> secondary data :oblicial Julali cations of autral, state is local govern ments.

& should . The (9) is filled up by the & distinction is often made blo (1) -> Drafting of the questionnaine. a-

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and the buspanolines.

a) Reports of committees & on various enquêres. 3) Reports le pulcli cations of trade essociation banks, chamber of commerce, 5) official pullications of government booling 6) " of international badies. lêke wHo, IMF Bince 5 data hue already been collected it is highly desirable that 9 proper scouting of Such dat a is made børe they one cesed by Innestigets. 1) 5. data must be queliable :-Investigats Should see to it that the data has not been appealed by bias of original investigats. 2) 5. data = 8 hould be scritable :must give partscular attention to the 6). 3) S. data should be adequate: 5. clota may be relieble. E Suitable bt it may not be adequate for the purpose of enquery

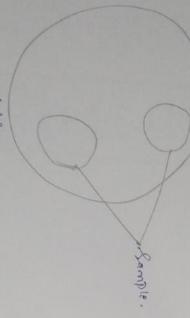
tencepts of Japulatton & Sample s.

* Population : 1.

* Sample :-

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7 Vascialetts * The posticular numerical value of a * Data which are of qualitative character * A (V) which can assume any value A A (W) & said to be alivercate who its Quantitative / Numerical statistical A variable of a quantity which varies prosthoo! Ex it cannot be measured at counted only. variable from a cursts in a given set of values - its almali. find I individual absenuation to anter Characteristicky of Late - Vostalely value en a particulas Retuation - Jonant Stig -> Attributes enal row - valuate. A W) cohose domain suspains only Attended cannot he desuct numerical culthin a given olemain - centin -W. eg = height in em, eneight en kg... sampling. Er attor butes :given demain de

- Types of data o-

data) (cata. quantitative classification & lorresponde classification according to (1) & according to variables & after buty Data can be classified

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2) cross section data = They are along Doing in time on (more (v). collected on same

4) Nominal & oxdinal class 3- for a of 3) peoled data = + is the combination rumerical data. Is Juges to the non catagorical data can be made into corresponding to a male (bemale. me can sucord sex of a person of In this aut billies / womines way of both time leaves by c. section dans

> The assigned now connect be adoles N. Data aux runestical in name out. akoustion that can be coveried ant do anything Except Setup in quality data, Suletyacted , etc. The only solithmetic the field to the dorta of applicant we the count of each category. In those Secretion come care connet as nonload data.

sounking, rankings of a games in a town pament of ordinal scale fortude - quality

own applicatore in the case of Names all the statistical techniques which No the oscillas scale measurement measurant can also be used for the or scale neassment. to than the nominal scal mostruit