| | | | 23/2/2022 |
|-------|--------------------------------|--|--------------|
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| | | | |
| - 61j | Describe th | e methods of sampling in by | uef. |
| Ans: | Sampling is | the process of selecting a same thous are barically of two to | ple. |
| | Sampling me | thods are basically of two ty | gpes that u- |
| | 1) Priobabilit | g sampling pability sampling. | |
| | Probability 5 | sampling is the type of sampli | ng which |
| 0 | has equal ch | sampling is the type of sampli ance of getting selected. Where sampling is the one that does not of getting selected. | as non |
| | Probability & | sampling is the one that does | not have |
| | an equal char | nce of getting selected. | oline - |
| | single rand | om, Systematic, stratified a | nd cluster. |
| | The four type | es of non probability sampling | are quota, |
| | judgement, | snowball and convenience: | • |
| 750 | Carololia Irro | a plaupability compling | |
| Ans: | Propability | es of probability sampling. | pling |
| Alls | method which | sampling is that type of same has equal chance of getting | selected. |
| | The four ty | per of puobability sampling an | 0- |
| | | idom sampling | |
| | 2) Systematic 3) Stratified | anupling | |
| | 4) Cluster sa | nipling | |
| | An simple Ha | ndom sampling, every element of getting selected to be a pa | has an |
| | equal chance | of getting selected to be a pa | ut of the |
| | sample. | sampling, elements of any san | iple are |
| | chacon at Mo | gular interval of population. | |
| | In stratified | nto smaller strata (subgroups) | opulation |
| | are divided i | nto smaller strata (subgroups) | based on the |
| | similiarity the cach ob these | en the elements are randomly s | each from |
| | ca on ou muse | AD ANTA | |

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|------|---|---|----------------------|
| | In cluster sampling, the | re entire population is di | vided |
| | The subtra (section) | ents of the clusters are u | selected |
| Ans: | Explain types of the of Non probability sample | ing is the sampling met | hod |
| | Non probability sample wherein there is no e The four types of non D Quota sampling | | elected. |
| | 2) Convenience sampling 3) Pumposive sampling 4) Snowball (referral) | sampling | |
| | population. | s on some pre-set stand epresentative sample from | the |
| • | In convenience sampling on availability. This mot of sample is none and | hod is used when the av | ted based ailability |
| | purpose of study only | ased on the intention or I the elements that suits our study will be se | the |
| | from the population. Snowball sampling is the | re technique used in situa | ations |
| | where the population is and name with the hofor the population and | elp of first element u | ve select |
| | is the other elements. | | Ce minority. |
| | | | |

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| | Subject :- S D M Experiment / Tutorial / Assignment No. :- | Page :- 5 |
| qu] Anso | State central limit theorem. The central limit theorem (CLT) states that the distribution of a sample variable approximate normal distribution (that is a bell curve) as to sample size becomes larger, assuming that a samples are identical in size and negardless population's actual distribution shape. At can a stated as given a sufficiently large sample six a population with the finite lard of varian mean of all sampled variables from the scoppulation will be approximately equal to the of the whole population. | he H of the Uso be ze from ce, the |
| Q5] Ans: | Explain sampling distribution of means and hen standard normal variate. The sampling distribution of the mean is the mea the population from where the items are say if the population distribution is normal then the distribution of the mean is likely to be normal the sample of all sizes. The variance of the sample mean is σ^2 . | n ob impled. he sampling U for |
| | Abor is a Handom Sample of size of from a no population with mean is and variance of their sample mean is distributed normally as of in the standard normal variate consesponding to of the standard normal variate consespond | |