Lecture 5 1 8.5p.

Variable:

Any characleristic whose values can change from one element to another element clement

Any Characleristic that can assume different value

Daía:

Sel of information about variables

Those variables

Qualitative Quantitalive

Variable

Those variables which can't be which can be

numerically numerically measured measued

Data

Qualitative Quantitative

, Unia abori Dala about quartitative qualitative vasiables variables.

eg CGA, Wight. e.g Blood Group

Variables Quantitadive Continuous Discrete Macisusable Variable (How much) (Mow many) (N) Population: -> (Statistical Population)
Sei of Objects under study (r) Sample:
Subset of population is called sample. Sampling:
Process of Sample soletion. Sampling Probability
L Non-Random/ Non-Probability tach sample has Sample is selected on chance to be De isonal judgement Seleded. tach sample closs not Can be generalization for the population A sample selected hove the chance to be selected. Result of non-bandom in andom sampling. semples is only valid for themselves.

topulation Finite Infinite Known number Unknown number of elements of elements Finite -> Real / Hypothetical. Infinite Real Hypothetical
Elements aloes not
exist physically. Elements exist Physically