

Population

All items, elements or observations of interest having Similar Properties are known as Population.

Types

(census)

1) Finite Population

Ex. O No. of students in a class.

- 3 Students envolled for PG course in Particular City.
- 2) Infinite Population

Sample Subset of Population. Population Sample

Parameter & Statistic

Population

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Representative Sample

12 balls 000 000

Population

000 000

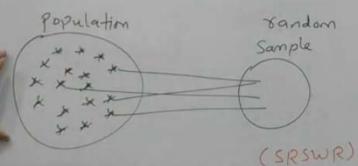
representative Sample contains

(00 00)

Parameter & Statistic

Population

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Simple random Sampling with Replacement

" without Replacement

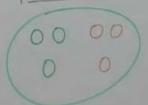
(SRSWOR)

Sample Subset of Population.

Representative Sample

12 balls 000 000 Population

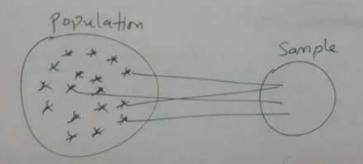
representative Sample contains

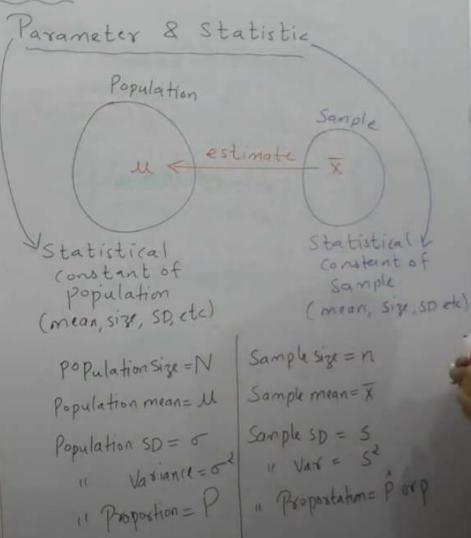


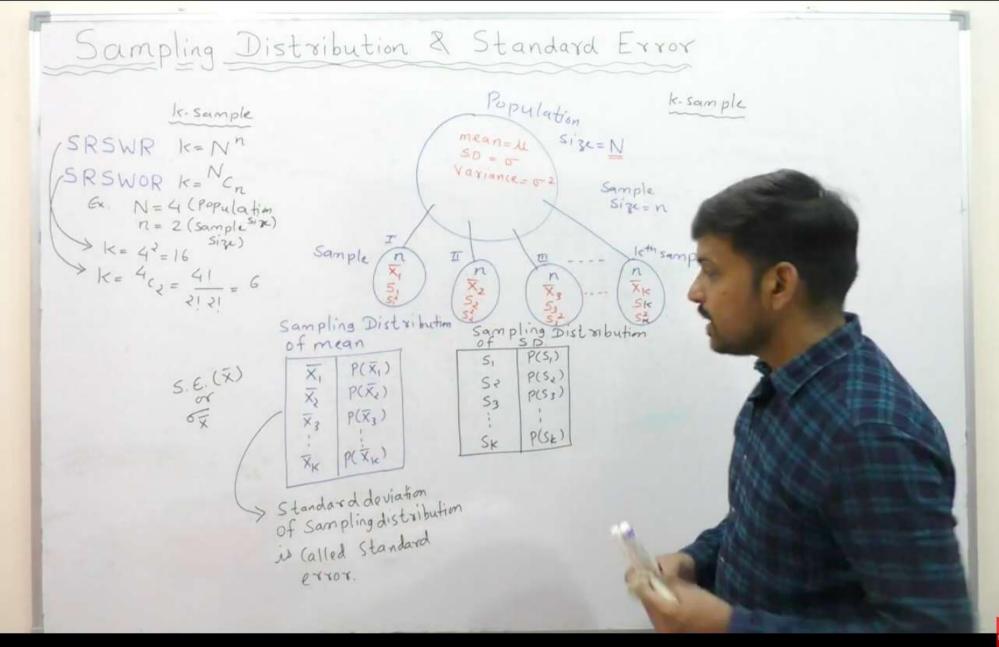
Parameter & Statistic

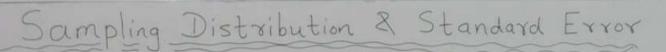
Population

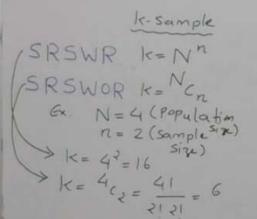
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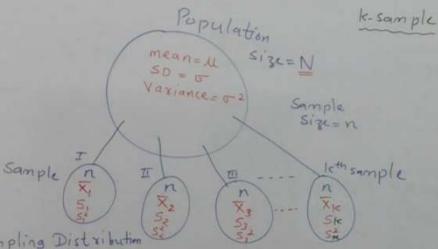


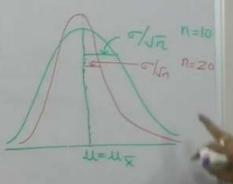




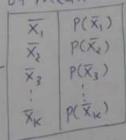








Sampling Distribution of mean



Standard deviation of Sampling distribution is called Standard error.

mean of sampling Dist vibution of mean, u= il

S.D. of sampling Distribution of mean, ox = 5.

Population SD Sample Size

Jn7

Population mean