

# CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR, UP - 208024

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Research Methods in Education (General Perspectives, MED 104)

**Topic - Relationship among Universe, Population & Sample**



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## Relationship among Universe , Population and Sample



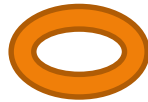
Population is the well defined small portion of Universe



If the size of population is not large there researcher can collect data from the population



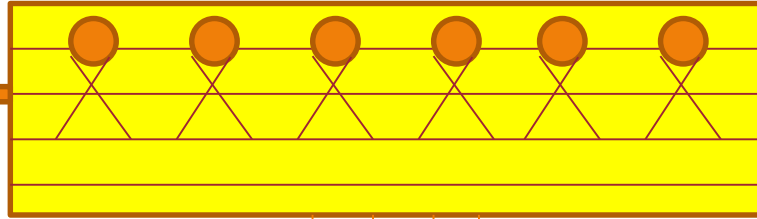
If the size of population is large therefore researcher can't able to collect data/information from population therefore researcher can collect the information from small portion of the population, called sample.



Sample is the true representative of the population

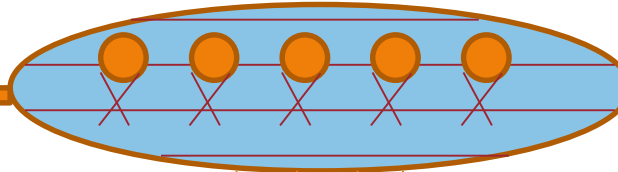
# Process of Selecting Sample

Who do you want to generalize?



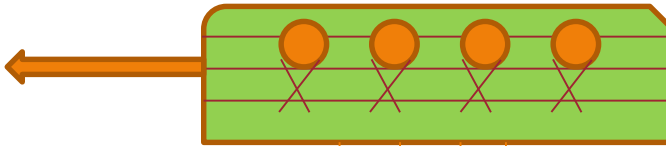
The Theoretical Population

What population can you get access to?



The Study Population

How can you get Access to them?



The Sampling Frame

Who is in your study?



The Sample

## Process of Selecting Sample: Sampling

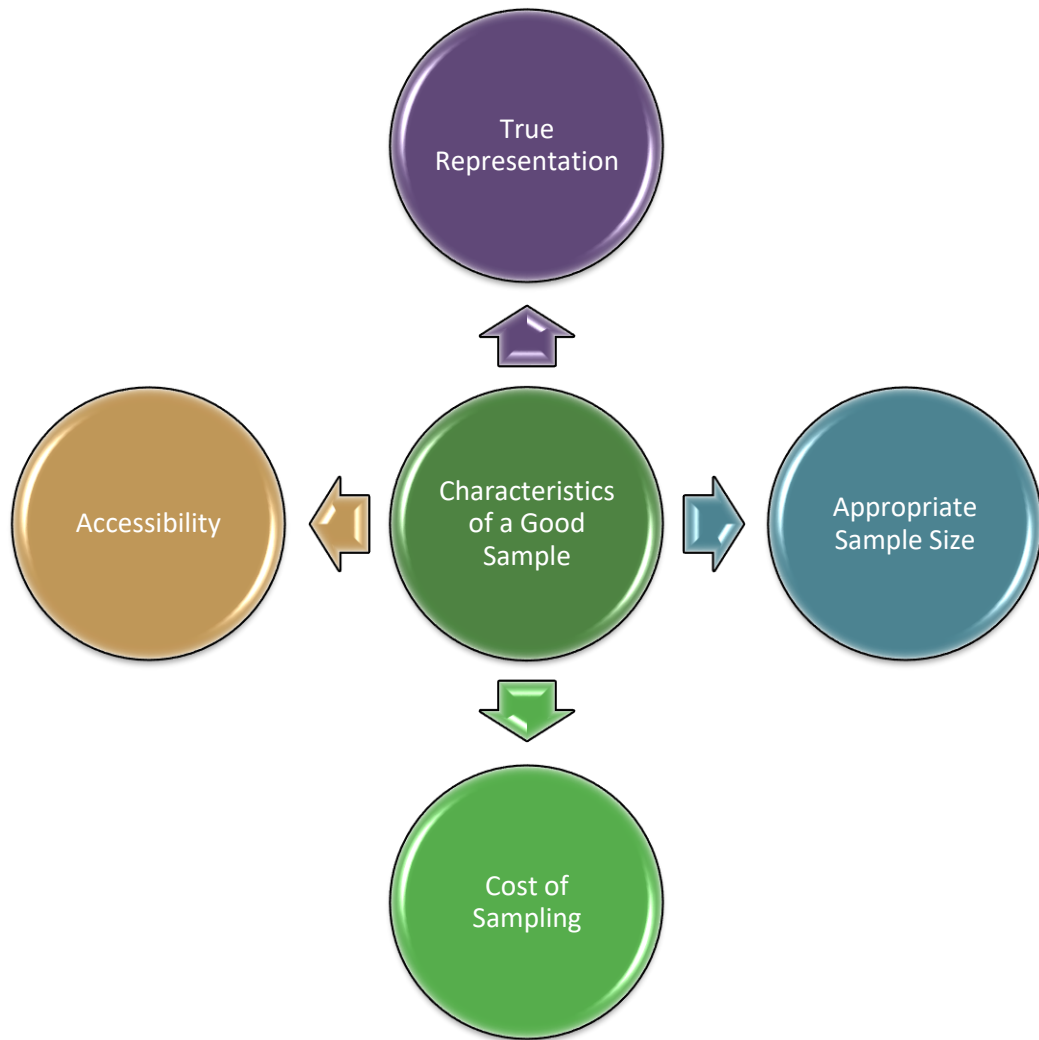
### Sampling: Meaning

Sampling is a procedure by which researcher select appropriate or true representative of the population.

### Definition

Sampling is taking any portion of a population as representative of that population

- Kerlinger



## References

- Gupta, S. P. (2011). *Modern Measurement & Evaluation*. Prayagraj: Sharda Pustak Bhavan
- Best, J. &. (2011). *Research in Education*. New Delhi: PHI Learning Pvt. Ltd.
- Creswell, J.W. (2017). *An Introduction to Educational Research*, London: Sage
- Donald Ary, L. C. (2016). *Introduction to Research in Education*. U.K.: Wadsworth Cengage Learning
- James Arthur, M. W. (2013). *Research Methods and Methodologies in Education*. London: Sage Publications