

Estimation

Lecture 8

I. Objectives

At the end of this series of lectures you should be able to:

- A. Define terms.
- B. Distinguish between point and interval estimation.
- C. Calculate the confidence intervals means.
- D. Explain confidence intervals.
- E. Describe how confidence intervals of means can be narrowed (increase certainty).

II. Key Concepts and Terms

Confidence intervals

Interval estimates

Parameters

Population

Population mean

Point estimates

Sample

Sample mean

Sample size

Statistic

t-distribution

Z-score

α

v