



LESSON 1

Hypothesis design and testing

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STRUCTURE

- 1.1 Learning Objectives
- 1.2 Introduction
- 1.3 Population and sample
 - 1.3.1 population
 - 1.3.2 sample
 - 1.3.3 Standard error
- 1.4 Hypothesis
 - 1.4.1 why hypothesis
 - 1.4.2 What hypothesis
 - 1.4.3 type of hypothesis
 - 1.4.4 Hypothesis testing
 - 1.4.5 Hypothesis testing with mean - Student's t-Test (t-Test)
 - 1.4.6 Univariate hypothesis test using the t – test
 - 1.4.7 Hypothesis testing for propoerion
 - 1.4.8 hypothesis testing for two population mean
- 1.5 Analysis of Variance
- 1.6 Error – I and II
- 1.7 summary
- 1.8 Glossary
- 1.9 Answer to text in questions
- 1.10 Self – Assessment questions
- 1.11 Suggested Readings