

One-sample Hypothesis Testing

Lecture 10

I. Objectives

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

- A. Define Terms
- B. Explain what to consider in selecting the correct statistical test.
- C. Select and execute the correct one sample test of means.
- D. Execute a chi-square test of variance.
- E. Correctly choose between a one-tailed and two-tailed test.
- F. Use the ten-step procedure to setup the test.

II. Key Concepts and Terms

Chi-square test of variance

t-test (one sample)

z-test

t

z

χ^2