

Two-way Analysis of Variance

Lecture 15

I. Objectives

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

- A. Define terms.
- B. Understand the need for a two-way analysis of variance.
- C. Perform the calculations necessary for a two-way ANOVA.

II. Key Concepts and Terms

Analysis of Variance

ANOVA

Bonferroni inequality

Factors

Multiple comparison inflation of Type I error

Two-way ANOVA

Two Factor ANOVA

Type I error

Type II error

α

β