

CHAPTER OVERVIEW

13: One Factor Analysis of Variance (ANOVA)

In Chapter 11, we used statistical inference to compare two population means under variety of models. These models can be expanded to compare more than two populations using a technique called Analysis of Variance, or ANOVA for short. There are many ANOVA models, but we limit our study to one of them, the One Factor ANOVA model, also known as One Way ANOVA.

[13.1: Comparing means from more than two Independent Populations](#)

[13.2: The Logic of ANOVA - How Comparing Variances Test for a Difference in Means.](#)

[13.3: The One Factor ANOVA Model](#)

[13.4: Factorial Design – an Insight to other ANOVA Procedures](#)

[13.5: Understanding the ANOVA Table](#)

[13.6: Post-hoc Analysis – Tukey’s Honestly Significant Difference \(HSD\) Test](#)

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