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Example 39.7 Repeated Measures Analysis of Variance. This example uses data from Cole and Grizzle to illustrate a commonly occurring repeated measures ANOVA design. Sixteen dogs are randomly assigned to four groups. (One animal is removed from the analysis due to a missing value for one dependent variable.)

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Repeated-Measures ANOVA Repeated Measures Design Repeated measures analysis of variance (rANOVA) is one of the most commonly used statistical approaches to repeated measures designs.

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One-Way Repeated Measures Analysis of Variance

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ANOVA but for repeated samples and is an extension of a paired-samples t-test. Repeated measures ANOVA is also known as 'within-subjects' ANOVA. Assumptions for repeated measures ANOVA

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