

Lesson Overview

When your goal is to compare means of two or more groups of observations or treatments then you use analysis of variance, or ANOVA. With ANOVA, you have a continuous dependent or response variable and at least one categorical, independent or predictor variable, which can have multiple levels. In this lesson, you revisit the assumptions of ANOVA and learn to fit a two-way ANOVA model with interactions using PROC GLM. You might want to store your PROC GLM results for future analysis. You learn to do this by adding a STORE statement and then performing additional analysis with PROC PLM. Finally, you learn to evaluate the model assumptions and remedial measures, in the event that some of the model assumptions are violated.