

## Practice: Performing a Two-Way ANOVA Using PROC GLM

Data were collected to determine whether different dosage levels of a drug have an effect on blood pressure for people with one of three types of heart disease. The data are in the **stat1.drug** data set.

1. Examine the data with a vertical line plot. Put **BloodP** on the Y axis, and **DrugDose** on the X axis, and then stratify by **Disease**.
2. What information can you obtain by looking at the data?
3. Test the hypothesis that the means are equal. Be sure to include an interaction term if the graphical analysis that you performed indicates that would be advisable.
4. What conclusions can you reach at this point?
5. To investigate the interaction effect between the two factors, include the SLICE option by manually editing the generated code or you can write the code directly.
6. Is the effect of **DrugDose** significant?

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