



Figure 12-4 Procedure for Two-Way Analysis of Variance

Example 1 Performance IQ Scores

Given the performance IQ scores in Table 12-3 (from Data Set 5 in Appendix B), use two-way analysis of variance to test for an interaction effect, an effect from the row factor of gender (male, female), and an effect from the column factor of blood lead level (low, medium, high). Use a 0.05 significance level.

Solution

Requirement check (1) For each cell, the sample values appear to be from a normally distributed population, as indicated by normal quantile plots.