Fox Module 15 Advanced interactions

- Interpreting dummy regression models with interactions
- Hypothesis testing for main effects and interactions

Read Section 7.3.4, "Interpreting dummy regression models with interactions," on pages 136-137. Fox uses his alternative approach on the bottom of page 136.

Read Section 7.3.5, "Hypothesis testing for main effects and interactions," on pages 137-140. Understand tables 7.1, 7.2, and 7.3 on page 139. The final exam has problems similar to the tables.

The homework assignment helps us understand the tables and prepare for the final exam. Given a scenario, you should know what regression equations are needed to test if an explanatory variable or set of explanatory variables or an interaction is significant. You form an analysis of variance table and compute the F-ratio.