CHAPTER 16: Regression Analysis: Model Building

Learning Objectives

After reading this chapter and doing the exercises you should be able to:

1. Learn how the general linear model can be used to model problems involving curvilinear relationships.

2. Understand the concept of interaction and how it can be accounted for in the general linear model.

3. Understand how an F test can be used to determine when to add or delete one or more variables.

4. Develop an appreciation for the complexities involved in solving larger regression analysis problems.

5. Understand how variable selection procedures can be used to choose a set of independent variables for an estimated regression equation.