

appears more frequently than others), bimodal (two scores or categories occur most frequently), or multimodal (two or more categories occur most frequently).

## THE DATA SET

The data for this lesson involve the three applications described earlier and are in the data file named *Lesson 20 Data File 1* on the Web at <http://www.pearsonhighered.com/greensalkindSPSS>. The variables in the data file are shown in Table 9.

Table 9  
*Variables in Lesson 20 Data File 1*

Variables	Definition
gender	A qualitative variable that indicates the gender of the participants: 1 = Men 2 = Women
ethnic	A qualitative variable that indicates the ethnic group of the participants: 1 = Black 2 = Hispanic 3 = Asian 4 = White 5 = Other
job	A qualitative variable that indicates the job classification of the participants: 1 = Clerical 2 = Management 3 = Maintenance 4 = Academic 5 = Professional 6 = Self-Employed 7 = Medical 8 = Skilled 9 = Military 10 = Unemployed

## THE RESEARCH QUESTION

For descriptive statistics, there is no research question as such. However, Linda is interested in the frequencies or percentages of research participants in each category of her variables.

1. What are the frequencies or percentages of men and women in the sample?
2. What are the frequencies or percentages associated with the ethnic status categories?
3. What are the frequencies or percentages associated with the 10 job categories?