

**FIGURE 13.5**

Aggravated Assaults in Dallas, Texas as a Function of Temperature and Time of Day

The data show that the relation between daytime assaults and temperature is curvilinear: Violent crimes increase up to a point (about 95°) and then decrease. In contrast, the relation between nighttime assaults and temperature is linear: The warmer it is at night, the more assaults there are. The rise is especially dramatic when the nighttime temperature remains above 75°.

Source: Rotton and Cohn (2000).