

TABLE 17.8

A Dependent (a) and an Independent (b) Relationship Between Two Categorical Variables

Frequencies vary
across the table

		Depression	
		Yes	No
Serotonin Levels	Low	90	10
	High	10	90

(a) Dependent relationship

Frequencies do not
vary across the table

		Depression	
		Yes	No
Preference	Coke	50	50
	Pepsi	50	50

(b) Independent relationship

A dependent relationship indicates that two categorical variables are related, and is evident when frequencies vary across the table.