

TABLE 8.3**Four Outcomes for Making a Decision**

		Decision	
		Retain the Null Hypothesis	Reject the Null Hypothesis
Truth in the Population	True	CORRECT $1 - \alpha$	TYPE I ERROR α
	False	TYPE II ERROR β	CORRECT $1 - \beta$ POWER

The decision can be either correct (correctly reject or retain the null hypothesis) or wrong (incorrectly reject or retain the null hypothesis).