

Table 7.2

Symbolic and Verbal Representations for One-Tailed Research and Null Hypotheses for Single-Sample t Test

	<i>Symbolic</i>	<i>Verbal</i>	<i>Mean Difference Created by</i>
Research hypothesis (H_1)	$H_1: \mu_{\text{psych majors}} > 3,000$	The mean estimated starting salary of the population of psychology majors <i>is higher</i> than the actual mean starting salary (\$3,000/month).	Psychology majors' overestimating their starting salaries
Null hypothesis (H_0)	$H_0: \mu_{\text{psych majors}} \leq 3,000$	The mean estimated starting salary of the population of psychology majors <i>is not higher</i> than the actual mean starting salary (\$3,000/month).	Sampling error