A9.3 (*CD-ROM TOPIC*) USING SPSS FOR ONE SAMPLE TESTS OF HYPOTHESIS

Using SPSS for the One-Sample Test of Hypothesis for the Mean (σ Unknown)

You can use SPSS to test a hypothesis for the population mean when σ is unknown. To perform the test of hypothesis for the population mean invoice amount of section 9.4 on page 318, open the **INVOICES.SAV** file. Select **Analyze ➔Compare Means ➔ One-Sample T Test**. In the One-Sample T Test dialog box (see Figure A9.6), enter **amount** in the Test Variable(s): edit box. Enter **120** in the Test Value: edit box. Click the **OK** button. Figure A9.7 illustrates the SPSS output.

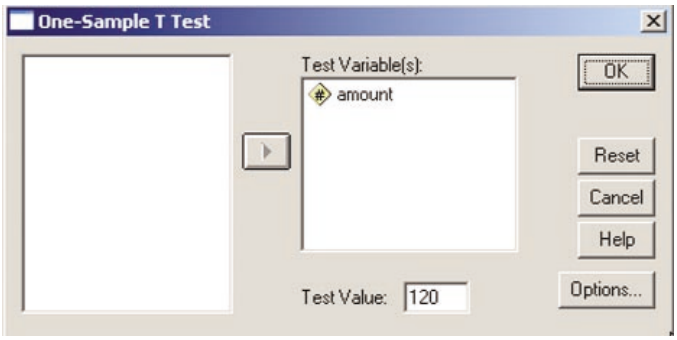

FIGURE A9.6 SPSS One-Sample T Test Dialog Box

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
amount	12	112.8508	20.79799	6.00386

One-Sample Test

	Test Value = 120					
					95% Confidence Interval of the Difference	
	t	df	Sig. (2-tailed)	Mean Difference	Lower	Upper
amount	-1.191	11	.259	-7.14917	-20.3636	6.0652

FIGURE A9.7 SPSS Output for the One-Sample *t* Test of Sales Invoices