Single-Sample t-test -- Analysis of a Single Quantitative Variable

Application: To test a hypothesis about the mean of a single quantitative variable.

Research Hypothesis (it is often the case that the researcher's hypothesis is the statistical null, something more common for this statistical model than for most others): The researcher hypothesized that the average number of reptiles at these pet stores was 10.

H0: The sample represents a population of pet stores that has an average of 10 reptiles.

Analyze / Statistics → Compare Means → One Sample TTest

- highlight the variable (be sure it is quantitative) and press the arrow to put it into the "Test Variable(s)" box
- type the H0: value into the "Test Value" box

🔲 One-Sample T Test		×
 strnum type or reptile departme rating of reptile quality type of fish available [fi rating of fish quality - 1- number of fish at store type of store [chain] 	▲ I est Variable(s): ★ number of reptiles at stc	OK <u>P</u> aste <u>R</u> eset Cancel Help
₩ number of mammals [m	Test <u>V</u> alue: 10	Options



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