Dependent t-test — Analysis of 2-within-Group Data with a Quantitative DV

Application: To compare the means of two quantitative variables obtained from dependent samples (repeated measures or matched groups). The two scores might be the same variable measured at two different times or under two different conditions, two comparable variables measured at the same time, or some combination.

Research Hypothesis: The researcher hypothesized that a store's fish would be of higher quality than its reptiles, because of the greater difficulty obtaining and maintaining healthy reptiles.

H0: for this analysis: The quality ratings of reptiles and fish displayed by pet stores have the same means.

Analyze → Compare Means → Paired-Samples T-Test

• highlight the two variables that are the DV for the two IV conditions and click the arrow

Paired-Samples T Te	st	×
🔶 strnum	Paired <u>V</u> ariables:	ОК
 type or reptile depar type of reptile depar 	reptgood fishgood	Paste
number of reptiles a		<u>R</u> eset
 type of fish available rating of fish quality 		Cancel
 Intermediate Intermediat Intermediat Interm		Help
Current Selections		
Variable 1: Variable 2:		Option

