

## CHAPTER OVERVIEW

### 9: Dependent Samples t-Tests

The **dependent samples  $t$ -test** is used when you want to test whether two means from one group measured at two different times are significantly different. This is sometimes referred to as a paired samples  $t$ -test or a repeated measures  $t$ -test. Repeated measures tests include those where the same thing is measured multiple times in the same sample. The dependent samples  $t$ -test is a bivariate, repeated measures test used when there are two sets of data from the same group to compare. Thus, you should use this technique if you want to compare the scores of one group to itself on a single quantitative variable. Other techniques are needed when there are two separate group being compared (such as the independent samples  $t$ -test reviewed in Chapter 8) or a measure is repeated three or more times (such as the repeated measures ANOVA which will be reviewed in Chapter 11).

[9.1: Variables, Data, and Hypotheses that Fit the Dependent Samples t-Test](#)

[9.2: The Dependent Samples t-Test Formula](#)

[9.3: Distinguishing Parts of the Dependent Samples t-Test Formula](#)

[9.4: Using SPSS](#)

[9.5: Structured Summary for the Dependent Samples t-Test](#)

[9.6: References](#)

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