

CHAPTER OVERVIEW

10: Hypothesis Testing for Paired and Unpaired Data

You have learned to conduct hypothesis tests on single means and single proportions. You will expand upon that in this chapter. You will compare two means or two proportions to each other. The general procedure is still the same, just expanded. To compare two means or two proportions, you work with two groups. The groups are classified either as independent or matched pairs. Independent groups consist of two samples that are independent, that is, sample values selected from one population are not related in any way to sample values selected from the other population. Matched pairs consist of two samples that are dependent. The parameter tested using matched pairs is the population mean. The parameters tested using independent groups are either population means or population proportions.

10.1: Two Population Means

10.2: Two Independent Population Proportions

10.3: Matched or Paired Samples

10.4: Two Population Means with Known Standard Deviations

10.5: Difference of Two Means

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