

CHAPTER OVERVIEW

28: Comparing Means

Learning Objectives

- Describe the rationale behind the sign test
- Describe how the t-test can be used to compare a single mean to a hypothesized value
- Compare the means for two paired or unpaired groups using a two-sample t-test

We have already encountered a number of cases where we wanted to ask questions about the mean of a sample. In this chapter, we will delve deeper into the various ways that we can compare means.

[28.1: Testing the Value of a Single Mean](#)

[28.2: Comparing Two Means](#)

[28.3: The t-test as a Linear Model](#)

[28.4: Bayes Factor for Mean Differences](#)

[28.5: Comparing Paired Observations](#)

[28.6: Comparing More Than Two Means](#)

[28.7: Appendix](#)

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