

After reading this chapter, you will be able to

Differentiate between null and research hypotheses

Contrast directional (one-tailed) and nondirectional (two-tailed) research hypotheses

Relate the notion of alpha level to directional and nondirectional hypothesis tests

Describe the difference between Type I and Type II errors in hypothesis testing

Apply basics of hypothesis testing to the z test

Apply basics of hypothesis testing to the one-sample t test

Apply the notion of statistical power to the basics of hypothesis testing