

Chapter 9

Hypothesis Testing

LO 9.1: Define the null hypothesis and the alternative hypothesis.

LO 9.2: Distinguish between Type I and Type II errors.

LO 9.3: Explain the steps of a hypothesis test using the p -value approach.

LO 9.4: Explain the steps of a hypothesis test using the critical value approach.

LO 9.5: Differentiate between the test statistics for the population mean.

LO 9.6: Specify the test statistic for the population proportion.

9.1 Point Estimators and Their Properties

LO 9.1 Define the null hypothesis and the alternative hypothesis.

LO 9.2 Distinguish between Type I and Type II errors.

9.2 Hypothesis Test of the Population Mean When σ Is Known

LO 9.3 Explain the steps of a hypothesis test using the p -value approach.

LO 9.4 Explain the steps of a hypothesis test using the critical value approach.

9.3 Hypothesis Test of the Population Mean When σ Is Unknown

LO 9.5 Differentiate between the test statistics for the population mean.

9.4 Hypothesis Test of the Population Proportion

LO 9.6 Specify the test statistic for the population proportion.