

CHAPTER 12

Quantitative Data Analysis: Using Statistics for Description and Inference

Learning Objectives

1. Distinguish between descriptive and inferential statistics.
2. Identify the steps in quantitative data analysis.
3. Describe and apply the steps in processing survey data.
4. Explain how to read tables and graphs depicting univariate and bivariate distributions.
5. Differentiate tests of statistical significance from measures of association.
6. Explain how multivariate testing is used to statistically control for extraneous variables.