

CHAPTER OVERVIEW

10: Correlation and Regression

Regression analysis is a statistical process for estimating the relationships among variables and includes many techniques for modeling and analyzing several variables. When the focus is on the relationship between a dependent variable and one or more independent variables.

10.0: Prelude to Linear Regression and Correlation

10.1.1: Review- Linear Equations

10.1.2: Scatter Plots

10.1: Testing the Significance of the Correlation Coefficient

10.2: The Regression Equation

10.2.1: Prediction

10.3: Outliers

10.E: Linear Regression and Correlation (Optional Exercises)

10.E: Linear Equations (Optional Exercises)

10.E: Outliers (Optional Exercises)

10.E: Prediction (Optional Exercises)

10.E: Scatter Plots (Optional Exercises)

10.E: Testing the Significance of the Correlation Coefficient (Optional Exercises)

10.E: The Regression Equation (Optional Exercise)

Contributors and Attributions

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