

CHAPTER OVERVIEW

9: Linear Regression and Correlation

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.

9.1: Prelude to Linear Regression and Correlation

9.2: Linear Equations

Linear Equations (Exercises)

9.3: Scatter Plots

Scatter Plots (Exercises)

9.4: The Regression Equation

The Regression Equation (Exercise)

9.5: Testing the Significance of the Correlation Coefficient

Testing the Significance of the Correlation Coefficient (Exercises)

9.6: Prediction

Prediction (Exercises)

9.7: Outliers

Outliers (Exercises)

9.8: Linear Regression and Correlation (Exercises)

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