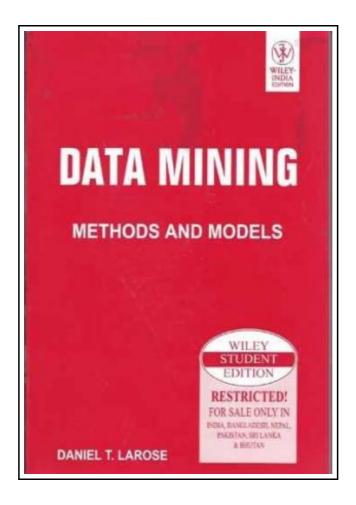
Data Mining: Methods and Models



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Reviews

Basically no words to clarify. Of course, it is perform, still an amazing and interesting literature. Its been printed in an exceptionally basic way which is only soon after i finished reading through this ebook where actually altered me, change the way i really believe.

(Newton Runolfsson)

DATA MINING: METHODS AND MODELS



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Wiley India Pvt. Ltd, 2006. Softcover. Book Condition: New. We are surrounded by data, numerical and otherwise, which must be analyzed and processed to convert it into information that informs, instructs, answers, or otherwise aids understanding and decision-making. Due to the ever-increasing complexity and size of today's data sets a new term, data mining, was created to describe the indirect, automatic data analysis techniques that utilize more complex and sophisticated tools than those which analysts used in the past to do mere data analysis. Preface Dimension Reduction Methods Need for Dimension Reduction in Data Mining Principal Components Analysis Factor Analysis User-Defined Composites Regression Modeling Example of Simple Linear Regression Least-Squares Estimates Coefficient or Determination Correlation Coefficient The ANOVA Table Outliers, High Leverage Points, and Influential Observations The Regression Model Inference in Regression Verifying the Regression Assumptions An Example: The Baseball Data Set An Example: The California Data Set Transformations to Achieve Linearity Multiple Regression and Model Building An Example of Multiple Regression The Multiple Regression Model Inference in Multiple Regression Regression with Categorical Predictors Multicollinearity Variable Selection Methods An Application of Variable Selection Methods Mallows? C p Statistic Variable Selection Criteria Using the Principal Components as Predictors in Multiple Regression Logistic Regression A Simple Example of Logistic Regression Maximum Likelihood Estimation Interpreting Logistic Regression Output Inference: Are the Predictors Significant? Interpreting the Logistic Regression Model Interpreting a Logistic Regression Model for a Dichotomous Predictor Interpreting a Logistic Regression Model for a Polychotomous Predictor Interpreting a Logistic Regression Model for a Continuous Predictor The Assumption of Linearity The Zero-Cell Problem Multiple Logistic Regression Introducing Higher Order terms to Handle Non-Linearity Validating the Logistic Regression Model WEKA: Hands-On Analysis Using Logistic Regression Naïve Bayes and Bayesian Networks The Bayesian Approach The Maximum a Posteriori (MAP) Classification The Posterior Odds Ratio Balancing the...



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