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## Statistics with MATLAB. Multivariate Data Analysis (Paperback)

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By G Peck

Createspace Independent Publishing Platform, 2017.  
Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book develops Multivariate Data Analysis Techniques: Reduction of the Dimension Techniques (Principal Components and Factor Analysis), Multidimensional Scaling, Cluster Analysis, Decision Trees, Discriminant Analysis and Naive Bayes). In addition, the book also develops examples and applications relating to such techniques. The most important content in this book is the following: -Reduction of the dimension -Principal Component Analysis (PCA) -Factor Analysis -Multidimensional Scaling - Nonclassical and Nonmetric Multidimensional Scaling - Classical Multidimensional Scaling -Hierarchical Clustering - Similarity Measures -Linkages -Dendrograms -Verify the Cluster Tree -Create Clusters -k-Means Clustering -Introduction to k-Means Clustering -Create Clusters and Determine Separation - Determine the Correct Number of Clusters -Clustering Using Gaussian Mixture Models -Cluster Data from Mixture of Gaussian Distributions -Cluster Gaussian Mixture Data Using Soft Clustering -Parametric Classification -Performance Curves -ROC Curves -Decision Trees -Prediction Using Classification and Regression Trees -Improving Classification Trees and Regression Trees -Cross Validation -Choose Split Predictor Selection Technique -Control Depth or Leafiness -Pruning - Discriminant Analysis Classification -Prediction Using Discriminant Analysis Models -Confusion Matrix and cross validation -Naive Bayes Segmentation.

### Reviews

*This composed book is excellent. This really is for all who state that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook.*

-- **Cheyenne Barrows**

*The book is fantastic and great. I have go through and i also am certain that i will planning to read through once more once more down the road. Its been printed in an exceedingly simple way and is particularly simply after i finished reading through this publication through which really changed me, change the way i think.*

-- **Hank Powlowski**