



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

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 -Dendograms -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.

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### 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.*

-- Cheyanne Barrows

*The book is fantastic and great. I have gone 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 Powłowski