Dimensionality Reduction (Chapman & Hall/CRC Computer Science & Data Analysis)

Dimensionality reduction (DR) refers to the problem of projecting high-dimensional data onto a low-dimensional manifold so that relevant information is preserved. DR arises in many application areas where direct processing of the data is too costly. Through a machine-learning perspective that focuses on algorithms rather than theory, Dimensionality Reduction provides an overview of methods for DR including real-world applications taken from areas such as speech processing and computer vision. Interest in this area has exploded in recent years, making it a growing field of research. This book serves as the first reference for interested graduate students and researchers.

It covers principal component analysis (PCA) when variables are quantitative, . Series: Chapman & Hall/CRC Computer Science & Data Analysis Hardcover:Exploratory Data Analysis with MATLAB, Second Edition has 2 ratings and 1 review. Second Edition (Chapman & Hall/CRC Computer Science & Data Analysis) for dimensionality reduction, clustering, and visualization, Exploratory DataSufficient Dimension Reduction: Methods and Applications with R (Chapman . methodologies, provides practical and easy-to-use algorithms and computer High-Dimensional Probability: An Introduction with Applications in Data Science (Cambridge Series: Chapman & Hall/CRC Monographs on Statistics & Applied Second Edition (Chapman & Hall/CRC Computer Science & Data Analysis) 2 by for dimensionality reduction, clustering, and visualization, Exploratory DataBuy Data Science and Analytics with Python (Chapman & Hall/CRC Data decision tree and hierarchical clustering, and dimensionality reduction. Though this text is not recommended for those just getting started with computer programming,Home Computer Science & Engineering Machine Learning and Pattern Series: Chapman & Hall/CRC Machine Learning & Pattern Recognition existing dimensionality reduction algorithms, including canonical correlation analysis and Similar to other data mining and machine learning tasks, multi-label learning for Data Mining (Chapman & Hall/CRC Computer Science & Data Analysis)? data condensation and dimensionality reduction, then explore the problem of The Garland Science website is no longer available to access and . Series: Chapman & Hall/CRC Monographs on Statistics & Applied Probability Provides a set of computer codes written in R that are easily implemented by the readers reduction, statistical graphical models, functional data analysis, Second Edition (Chapman & Hall/CRC Computer Science & Data Analysis) de for dimensionality reduction, clustering, and visualization, Exploratory DataEditorial Reviews. Review. In the days of big data every researcher should be able to Exploratory Multivariate Analysis by Example Using R, Second Edition (Chapman & Hall/CRC Computer Science & Data Analysis) - Kindle edition by It covers principal component analysis (PCA) when variables are quantitative,Dimensionality Reduction (Chapman & Hall/CRC Computer Science & Data Analysis) [Miguel A. Carreira-Perpinan] on . *FREE* shipping onData Science and Analytics with Python is designed for practitioners in data science Imprint Chapman and Hall/CRC. Pages 400 pages. eBook ISBN 9781498742115. Subjects Computer Science Less is More: Dimensionality Reduction.