Exploratory Data Analysis with MATLAB, Second Edition (Chapman Hall/CRC Computer Science Data Analysis)

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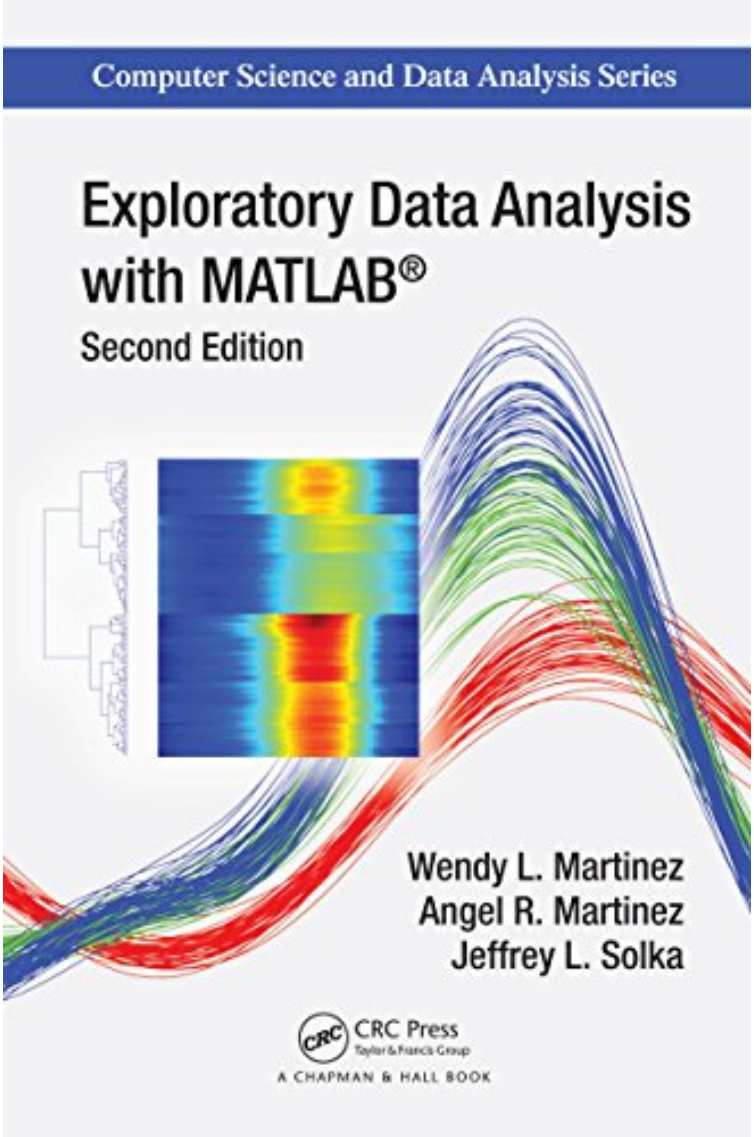

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Since the publication of the bestselling first edition, many advances have been made in exploratory data analysis (EDA). Covering innovative approaches for dimensionality reduction, clustering, and visualization, Exploratory Data Analysis with MATLABreg;, Second Edition uses numerous examples and applications to show how the methods are used in practice.New to the Second EditionDiscussions of nonnegative matrix factorization, linear discriminant analysis, curvilinear component analysis, independent component analysis, and smoothing splinesAn expanded set of methods for estimating the intrinsic dimensionality of a data setSeveral clustering methods, including probabilistic latent semantic analysis and spectral-based clusteringAdditional visualization methods, such as a rangefinder boxplot, scatterplots with marginal histograms, biplots, and a new method called Andrewsrsquo; imagesInstructions on a free MATLAB GUI toolbox for EDALike its predecessor, this edition continues to focus on using EDA methods, rather than theoretical aspects. The MATLAB codes for the examples, EDA toolboxes, data sets, and color versions of all figures are available for download at http://pi-sigma.info

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