



# Computational Statistics Handbook with MATLAB, Third Edition (Chapman & Hall/CRC Computer Science & Data Analysis)

By Wendy L. Martinez, Angel R. Martinez

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The authors include algorithmic descriptions of the procedures as well as examples that illustrate the use of algorithms in data analysis. The MATLAB code, examples, and data sets are available online.

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### Review

#### Praise for Previous Editions:

"... useful as a reference where one can look to get a concise description of a statistical methodology and MATLAB code that can be used to implement it ... the book is excellent."

?Michael J. Evans, *Mathematical Reviews*, 2009e

"My own brief assessment of the book leaves me impressed with the number of subjects covered ... the book can be a valuable reference to practicing statisticians (or statistical researchers) using MATLAB as their computing engines."

?*Biometrics*, March 2009

"... this book is perfectly appropriate as a textbook for an introductory course on computational statistics. It covers many useful topics, which in combination with the well-documented code, make the underlying concepts easy to grasp by the students. ... a very nice book to be used in an undergraduate- or masters-level computational statistics course. It would also prove useful to researchers in other fields that want to learn and implement quickly some advanced statistical techniques."

?*Journal of Statistical Software*, July 2004, Vol. 11

"I am pleased to see the publication of a comprehensive book related to computational statistics and MATLAB. ... this book is ambitious and well written. As a long-time user of MATLAB, I find this book useful as a reference, and thus recommend it highly to statisticians who use MATLAB. The book also would be very useful to engineers and scientists who are well trained in statistics."

?*Journal of the American Statistical Association*, June 2004, Vol. 99, No. 466

### About the Author

**Wendy L. Martinez** is a mathematical statistician with the U.S. Bureau of Labor Statistics. She is a fellow of the American Statistical Association, a co-author of several popular Chapman & Hall/CRC books, and a MATLAB® user for more than 20 years. Her research interests include text data mining, probability density estimation, signal processing, scientific visualization, and statistical pattern recognition. She earned an M.S. in aerospace engineering from George Washington University and a Ph.D. in computational sciences and informatics from George Mason University.

**Angel R. Martinez** is fully retired after a long career with the U.S. federal government and as an adjunct professor at Strayer University, where he taught undergraduate and graduate courses in statistics and mathematics. Before retiring from government service, he worked for the U.S. Navy as an operations research analyst and a computer scientist. He earned an M.S. in systems engineering from the Virginia Polytechnic Institute and State University and a Ph.D. in computational sciences and informatics from

George Mason University.

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