



Statistics with Maple

By John A. Rafter, Martha L. Abell, James P. Braselton

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Statistics with Maple is a practical guide for engineers, statisticians, business professionals and others who use the Maple software package and who wish to use it to produce numerical summaries, make graphical displays, and perform statistical inference. The book and software package is unique in its focus on using Maple for statistical methodology.

This tutorial and reference manual assumes that readers have a basic knowledge of statistics and a familiarity with Maple.

- * When a statistical concept is introduced, the appropriate Maple syntax is provided along with a straightforward, worked-out example
- * Authors provide over 150 procedures on a CD-ROM that is packaged with the book
- * Users are invited to copy the code into Maple worksheets and modify it for their own use

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Editorial Review

From the Back Cover

Statistics with Maple is a practical guide for all Maple users who need to produce numerical summaries, create graphical displays, or perform statistical analyses. The book and the associated software are unique in their focus on using Maple for statistical work.

Comprehensive: Covers use of Maple for applications ranging from numerical and graphical descriptive statistics through probability distributions, confidence intervals, tests of significance, multiple regression, and nonparametric methods; discusses virtually all of Maple's statistical capability. **ADDITIONALLY**, the authors have written over 150 procedures to extend Maple's capability, which are included on the enclosed CD-ROM.

Easy to Read: Uses "by example" approach authors have used in several other books. Works for beginners and experts alike.

Applied: Examples are from diverse disciplines, including biostatistics, business statistics, econometrics, engineering, and psychology.

"Professionals who have a particular reason for using Maple to do statistical analyses should find the book very useful, and will find the level and style of writing both inviting and efficient in terms of getting right to the point and explaining it clearly and completely."

-Dennis M. DeTurck, University of Pennsylvania

About the Author

Martha L. Abell and James P. Braselton are graduates of the Georgia Institute of Technology and the Ohio State University, respectively, and teach at Georgia Southern University, Statesboro where they have extensive experience in Mathematica-assisted instruction at both the undergraduate and graduate levels. In addition, they have given numerous presentations on Mathematica, throughout the United States and abroad. Other books by the authors include *Differential Equations with Mathematica, Second Edition* and **Statistics with Mathematica**. Martha became Dean of the College of Science and Mathematics at Georgia Southern University in 2014.

Martha L. Abell and James P. Braselton are graduates of the Georgia Institute of Technology and the Ohio State University, respectively, and teach at Georgia Southern University, Statesboro. Martha recently received Georgia Southern's award for 'excellence in research and/or creative scholarly activity.' Both authors have extensive experience with using Mathematica as well as Mathematica-assisted instruction at both the undergraduate and graduate levels. In addition, they have given numerous presentations on Mathematica, throughout the United States and abroad. Other books by the authors include *Differential Equations with Mathematica, Second Edition* and *Statistics with Mathematica*. Martha Abell became Dean of the College of Science and Mathematics at Georgia Southern University, Statesboro, Georgia, in 2014.

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