



 [Get Print Book](#)

Statistics for Engineering and the Sciences, Sixth Edition

By William M. Mendenhall, Terry L. Sincich



[Download](#)



[Read Online](#)

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich

Prepare Your Students for Statistical Work in the Real World

Statistics for Engineering and the Sciences, Sixth Edition is designed for a two-semester introductory course on statistics for students majoring in engineering or any of the physical sciences. This popular text continues to teach students the basic concepts of data description and statistical inference as well as the statistical methods necessary for real-world applications. Students will understand how to collect and analyze data and think critically about the results.

New to the Sixth Edition

- Many new and updated exercises based on contemporary engineering and scientific-related studies and real data
- More statistical software printouts and corresponding instructions for use that reflect the latest versions of the SAS, SPSS, and MINITAB software
- Introduction of the case studies at the beginning of each chapter
- Streamlined material on all basic sampling concepts, such as random sampling and sample survey designs, which gives students an earlier introduction to key sampling issues
- New examples on comparing matched pairs versus independent samples, selecting the sample size for a designed experiment, and analyzing a two-factor experiment with quantitative factors
- New section on using regression residuals to check the assumptions required in a simple linear regression analysis

The first several chapters of the book identify the objectives of statistics, explain how to describe data, and present the basic concepts of probability. The text then introduces the two methods for making inferences about population parameters:

estimation with confidence intervals and hypothesis testing. The remaining chapters extend these concepts to cover other topics useful in analyzing engineering and scientific data, including the analysis of categorical data, regression analysis, model building, analysis of variance for designed experiments, nonparametric statistics, statistical quality control, and product and system reliability.

 [Download Statistics for Engineering and the Sciences, Sixth ...pdf](#)

 [Read Online Statistics for Engineering and the Sciences, Six ...pdf](#)

Statistics for Engineering and the Sciences, Sixth Edition

By William M. Mendenhall, Terry L. Sincich

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich

Prepare Your Students for Statistical Work in the Real World

Statistics for Engineering and the Sciences, Sixth Edition is designed for a two-semester introductory course on statistics for students majoring in engineering or any of the physical sciences. This popular text continues to teach students the basic concepts of data description and statistical inference as well as the statistical methods necessary for real-world applications. Students will understand how to collect and analyze data and think critically about the results.

New to the Sixth Edition

- Many new and updated exercises based on contemporary engineering and scientific-related studies and real data
- More statistical software printouts and corresponding instructions for use that reflect the latest versions of the SAS, SPSS, and MINITAB software
- Introduction of the case studies at the beginning of each chapter
- Streamlined material on all basic sampling concepts, such as random sampling and sample survey designs, which gives students an earlier introduction to key sampling issues
- New examples on comparing matched pairs versus independent samples, selecting the sample size for a designed experiment, and analyzing a two-factor experiment with quantitative factors
- New section on using regression residuals to check the assumptions required in a simple linear regression analysis

The first several chapters of the book identify the objectives of statistics, explain how to describe data, and present the basic concepts of probability. The text then introduces the two methods for making inferences about population parameters: estimation with confidence intervals and hypothesis testing. The remaining chapters extend these concepts to cover other topics useful in analyzing engineering and scientific data, including the analysis of categorical data, regression analysis, model building, analysis of variance for designed experiments, nonparametric statistics, statistical quality control, and product and system reliability.

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich
Bibliography

- Sales Rank: #905828 in eBooks
- Published on: 2016-04-05
- Released on: 2016-04-05
- Format: Kindle eBook

 [Download Statistics for Engineering and the Sciences, Sixth ...pdf](#)

 [Read Online Statistics for Engineering and the Sciences, Six ...pdf](#)

Editorial Review

Review

"A salient feature of this book is the clarity with which many statistical concepts have been presented. A very nice blend of theory and applications. It contains a wealth of illustrative examples and problem sets. All the important concepts have been highlighted; real-life data has been extensively used throughout the book. Students will find it very appealing and useful on their way to learning the basic statistical concepts and tools."

?Dharam V. Chopra, Wichita State University

"I like the problems because they are all based on engineering applications of probability and statistics. I especially like the problems at the end of chapters because students have to think more to solve them. I favor problems that require calculations because engineers are problem solvers."

?Charles H. Reilly, University of Central Florida

"I think this text is one of the best I have seen when it comes down to real data sets. The authors successfully included small and large real data sets from various real-world problems in engineering, mathematical sciences, and natural sciences."

?Edward J. Danial, Morgan State University

About the Author

William Mendenhall was a professor emeritus in the Statistics Department and the first chairman of the department at the University of Florida. Dr. Mendenhall published articles in top statistics journals and was a prolific author of statistics textbooks.

Terry L. Sincich is an associate professor in the Information Systems Decision Sciences Department at the University of South Florida, where he teaches introductory statistics at the undergraduate level and advanced statistics courses at the doctoral level. He has won numerous teaching awards, including the Kahn Teaching Award and Outstanding Teacher Award. Dr. Sincich is a member of the American Statistical Association and the Decision Sciences Institute. His research interests include applied statistical analysis and statistical modeling.

Users Review

From reader reviews:

Terri Mitchell:

With other case, little folks like to read book Statistics for Engineering and the Sciences, Sixth Edition. You can choose the best book if you like reading a book. Providing we know about how is important a book Statistics for Engineering and the Sciences, Sixth Edition. You can add know-how and of course you can around the world by way of a book. Absolutely right, since from book you can understand everything! From

your country right up until foreign or abroad you can be known. About simple factor until wonderful thing you can know that. In this era, you can open a book or perhaps searching by internet system. It is called e-book. You need to use it when you feel uninterested to go to the library. Let's examine.

Livia Wilder:

This Statistics for Engineering and the Sciences, Sixth Edition book is not ordinary book, you have after that it the world is in your hands. The benefit you get by reading this book is definitely information inside this reserve incredible fresh, you will get data which is getting deeper an individual read a lot of information you will get. That Statistics for Engineering and the Sciences, Sixth Edition without we comprehend teach the one who studying it become critical in considering and analyzing. Don't possibly be worry Statistics for Engineering and the Sciences, Sixth Edition can bring once you are and not make your carrier space or bookshelves' turn into full because you can have it in the lovely laptop even telephone. This Statistics for Engineering and the Sciences, Sixth Edition having great arrangement in word and also layout, so you will not really feel uninterested in reading.

Carolyn Brown:

You can spend your free time to study this book this reserve. This Statistics for Engineering and the Sciences, Sixth Edition is simple to bring you can read it in the park, in the beach, train and also soon. If you did not include much space to bring typically the printed book, you can buy often the e-book. It is make you quicker to read it. You can save the book in your smart phone. And so there are a lot of benefits that you will get when you buy this book.

Magdalena McKinney:

That guide can make you to feel relax. This particular book Statistics for Engineering and the Sciences, Sixth Edition was colourful and of course has pictures on there. As we know that book Statistics for Engineering and the Sciences, Sixth Edition has many kinds or genre. Start from kids until youngsters. For example Naruto or Investigator Conan you can read and think you are the character on there. So , not at all of book are make you bored, any it offers up you feel happy, fun and loosen up. Try to choose the best book for yourself and try to like reading this.

Download and Read Online Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich #86SIW14FGKC

Read Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich for online ebook

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich books to read online.

Online Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich ebook PDF download

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich Doc

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich Mobipocket

Statistics for Engineering and the Sciences, Sixth Edition By William M. Mendenhall, Terry L. Sincich EPub