



Statistics II for Dummies

By Deborah J. Rumsey



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The ideal supplement and study guide for students preparing for advanced statistics

Packed with fresh and practical examples appropriate for a range of degree-seeking students, *Statistics II For Dummies* helps any reader succeed in an upper-level statistics course. It picks up with data analysis where *Statistics For Dummies* left off, featuring new and updated examples, real-world applications, and test-taking strategies for success. This easy-to-understand guide covers such key topics as sorting and testing models, using regression to make predictions, performing variance analysis (ANOVA), drawing test conclusions with chi-squares, and making comparisons with the Rank Sum Test.

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Editorial Review

From the Back Cover

The fun and easy way to enhance your grasp of statistics

Need to expand your statistics knowledge and move on to Statistics II? This friendly, hands-on guide gives you the skills you need to take on multiple regression, analysis of variance (ANOVA), Chi-square tests, nonparametric procedures, and other key topics. Statistics II For Dummies also provides plenty of test-taking strategies as well as real-world applications that make data analysis a snap, whether you're in the classroom or at work.

- Begin with the basics — review the highlights of Stats I and expand on simple linear regression, confidence intervals, and hypothesis tests
- Start making predictions — master multiple, nonlinear, and logistic regression; check conditions; and interpret results
- Analyze variance with ANOVA — break down the ANOVA table, one-way and two-way ANOVA, the F-test, and multiple comparisons
- Connect with Chi-square tests — examine two-way tables and test categorical data for independence and goodness-of-fit
- Leap ahead with nonparametrics — grasp techniques used when you can't assume your data has a normal distribution

Open the book and find:

- Up-to-date methods for analyzing data
- Full explanations of Statistics II concepts
- Clear and concise step-by-step procedures
- Dissection of computer output
- Lots of tips, strategies, and warnings
- Ten common errors in statistical conclusions
- Everyday statistics applications
- Tables for completing calculations used in the book

Learn to:

- Increase your skills in data analysis
- Sort through and test models
- Make predictions
- Apply statistics to real-world situations

About the Author

Deborah Rumsey, PhD, is a Statistics Education Specialist and Auxiliary Faculty Member in the Department of Statistics at Ohio State University. She is also a Fellow of the American Statistical Association and has received the Presidential Teaching Award from Kansas State University. Dr. Rumsey has published numerous papers and given many professional presentations on the subject of statistics education.

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