



Statistical Analysis: Microsoft Excel 2010

By Conrad Carlberg



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“Excel has become the standard platform for quantitative analysis. Carlberg has become a world-class guide for Excel users wanting to do quantitative analysis. The combination makes *Statistical Analysis: Microsoft Excel 2010* a must-have addition to the library of those who want to get the job done and done right.”
—Gene V Glass, Regents’ Professor Emeritus, Arizona State University

Use Excel 2010’s statistical tools to transform your data into knowledge

Use Excel 2010’s powerful statistical tools to gain a deeper understanding of your data, make more accurate and reliable inferences, and solve problems in fields ranging from business to health sciences.

Top Excel guru Conrad Carlberg shows how to use Excel 2010 to perform the core statistical tasks every business professional, student, and researcher should master. Using real-world examples, Carlberg helps you choose the right technique for each problem and get the most out of Excel’s statistical features, including its new consistency functions. Along the way, you discover the most effective ways to use correlation and regression and analysis of variance and covariance. You see how to use Excel to test statistical hypotheses using the normal, binomial, t and F distributions.

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- Accurately summarize sets of values
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- Infer a population’s characteristics from a sample’s frequency distribution
- Explore correlation and regression to learn how variables move in tandem
- Understand Excel’s new consistency functions
- Test differences between two means using z tests, t tests, and Excel’s

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- Use ANOVA and ANCOVA to test differences between more than two

means

- Explore statistical power by manipulating mean differences, standard errors, directionality, and alpha

There is an Excel workbook for each chapter, and each worksheet is keyed to one of the book's figures. You'll also find additional material, such as a chart that demonstrates how statistical power shifts as you manipulate sample size, mean differences, alpha and directionality. To access these free files, please visit <http://www.quepublishing.com/title/0789747200> and click the Downloads Tab.

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Editorial Review

About the Author

Conrad Carlberg started writing about Excel, and its use in quantitative analysis, before workbooks had worksheets. As a graduate student he had the great good fortune to learn something about statistics from the wonderfully gifted Gene Glass. He remembers much of it and has learned more since—and has exchanged the discriminant function for logistic regression—but it still looks like a rodeo. This is a book he has been wanting to write for years, and he is grateful for the opportunity. He expects to refer to it often while running his statistical consulting business.

Users Review

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Michael Bradley:

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Mary Chapa:

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