Statistics in Plain English, Third Edition

By Timothy C. Urdan

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This inexpensive paperback provides a brief, simple overview of statistics to help readers gain a better understanding of how statistics work and how to interpret them correctly. Each chapter describes a different statistical technique, ranging from basic concepts like central tendency and describing distributions to more advanced concepts such as *t* tests, regression, repeated measures ANOVA, and factor analysis. Each chapter begins with a short description of the statistic and when it should be used. This is followed by a more in-depth explanation of how the statistic works. Finally, each chapter ends with an example of the statistic in use, and a sample of how the results of analyses using the statistic might be written up for publication. A glossary of statistical terms and symbols is also included.

New features in the third edition include:

- a new chapter on *Factor and Reliability Analysis* especially helpful to those who do and/or read survey research,
- new "*Writing it Up*" sections demonstrate how to write about and interpret statistics seen in books and journals,
- a website at http://www.psypress.com/statistics-in-plain-english with PowerPoint presentations, interactive problems (including an overview of the problem's solution for Instructors) with an IBM SPSS dataset for practice, videos of the author demonstrating how to calculate and interpret most of the statistics in the book, links to useful websites, and an author blog,
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- many more examples, tables, and charts to help students visualize key concepts.

Statistics in Plain English, Third Edition is an ideal supplement for statistics, research methods, and/or for courses that use statistics taught at the undergraduate or graduate level, or as a reference tool for anyone interested in refreshing their memory about key statistical concepts. The research examples are from psychology, education, and other social and behavioral sciences.

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Editorial Review

Review

"*This book will be an excellent first choice for students or researchers 'starting the journey into the realm of statistics' but it will be also a great second choice for the many who have found this journey too intimidating the first time they tried it.*" **- Giorgio Bedogni, Liver Research Centre, Italy, in Journal of the Royal Statistical Society**

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About the Author

Timothy C. Urdan is a Professor in the Department of Psychology at Santa Clara University. He received his Ph.D. in Education and Psychology from the University of Michigan in 1994 where he received several honors awards including the School of Education Merit Award, the Horace H. Rackham Predoctoral Fellowship, and the Burke Aaron Hinsdale Scholar in 1995. Since 2001, he has served on the editorial board for Contemporary Educational Psychology and the *Journal of Educational Psychology*. Dr. Urdan is the co-editor of two book series, one on Adolescence and Education and the other on Motivation and Achievement and of the forthcoming *Educational Psychology Handbook*.

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