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Titolo	Excel 2016 for Educational and Psychological Statistics : A Guide to Solving Practical Problems // by Thomas J. Quirk
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ISBN	3-319-39720-6
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Descrizione fisica	1 online resource (XV, 260 p. 166 illus., 161 illus. in color.)
Collana	Excel for Statistics, , 2570-4605
Disciplina	005.369
Soggetti	Statistics Application software Psychology—Methodology Psychometrics Statistics for Social Sciences, Humanities, Law Computer Appl. in Social and Behavioral Sciences Psychological Methods/Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Sample size, mean, standard deviation, standard error of the mean -- Random number generator -- Confidence interval about the mean using the TINV function and hypothesis testing -- One-group t-test for the mean -- Two-group t-test of the difference of the means for independent groups -- Correlation and simple linear regression -- Multiple correlation and multiple regression -- One-way analysis of variance (ANOVA) -- Appendix A -- Appendix B -- Appendix C -- Appendix D -- Appendix E -- Index.
Sommario/riassunto	This book shows the capabilities of Microsoft Excel in teaching educational and psychological statistics effectively. Similar to the previously published Excel 2013 for Educational and Psychological Statistics, this book is a step-by-step exercise-driven guide for students and practitioners who need to master Excel to solve practical education and psychology problems. If understanding statistics isn't your strongest suit, you are not especially mathematically-inclined, or if you are wary of computers, this is the right book for you. Excel, a

widely available computer program for students and managers, is also an effective teaching and learning tool for quantitative analyses in education and psychology courses. Its powerful computational ability and graphical functions make learning statistics much easier than in years past. However, Excel 2016 for Educational and Psychological Statistics: A Guide to Solving Practical Problems is the first book to capitalize on these improvements by teaching students and managers how to apply Excel to statistical techniques necessary in their courses and work. Each chapter explains statistical formulas and directs the reader to use Excel commands to solve specific, easy-to-understand educational and psychological problems. Practice problems are provided at the end of each chapter with their solutions in an appendix. Separately, there is a full Practice Test (with answers in an Appendix) that allows readers to test what they have learned.
