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Titolo	Excel 2013 for Scientists : Master advanced Excel techniques and data analysis tailored for scientific research and workflows / Books, Mrexcel'S Holy Macro! [and others]
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Descrizione fisica	1 online resource (321 p.)
Altri autori (Persone)	VerschuurenDr. Gerard
Soggetti	COMPUTERS / Desktop Applications / Spreadsheets BUSINESS & ECONOMICS / Finance COMPUTERS / Data Processing
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Nota di contenuto	Excel 2013 for Scientists: Master advanced Excel techniques and data analysis tailored for scientific research and workflows
Sommario/riassunto	Master data visualization, statistical tools, and regression analysis tailored for scientific research in Excel 2013. Discover tools to streamline experiments and improve productivity.Key FeaturesComprehensive guide to Excel 2013 tools tailored for scientific data analysis and modelingPractical examples and exercises designed specifically for research and experimental workflowsDetailed coverage of statistical methods, regression techniques, and advanced graphing toolsBook DescriptionThis book provides a detailed guide for scientists to fully utilize Excel 2013 for data analysis, visualization, and statistical modeling. It begins with core spreadsheet techniques like range names, nested functions, and cell referencing, creating a strong foundation for advanced skills. Tailored examples help readers understand how to apply these basics in scientific contexts. The book progresses into advanced data analysis tools, covering pivot tables, lookups, conditional formatting, and filtering techniques. Regression methods, curve fitting, and distribution simulations are explored, allowing readers to analyze trends, predict outcomes, and validate data.

Statistical methods such as ANOVA, significance testing, and sampling techniques are presented with practical examples to reinforce learning. Later chapters focus on advanced graphing techniques, customizing charts, and working with complex functions like arrays and nonlinear regression. Exercises and step-by-step instructions ensure concepts are clear and practical. By the end, readers will confidently apply Excel tools to streamline experiments, enhance productivity, and achieve scientific precision.

What you will learn

- Create tailored graphs and charts for scientific research needs
- Analyze complex datasets with advanced Excel 2013 functions
- Utilize pivot tables for efficient frequency distribution analysis
- Generate random data samples for simulation and experiments
- Differentiate key statistical functions for precise calculations
- Automate data validation and formatting to enhance accuracy

Who this book is for

Students and professionals in science, engineering, and related fields seeking practical Excel skills will find this book helpful. Basic familiarity with Excel is recommended. No advanced programming or statistical background is required.
