

1. Record Nr.	UNINA9910818248503321
Autore	Barnosky Anthony D.
Titolo	Dodging extinction : power, food, money and the future of life on Earth // Anthony D. Barnosky
Pubbl/distr/stampa	Oakland, California : , : University of California Press, , 2014 ©2014
ISBN	0-520-95909-4
Descrizione fisica	1 online resource (255 p.)
Disciplina	576.8/4
Soggetti	Mass extinctions Extinction (Biology) Conservation of natural resources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front matter -- Contents -- Preface -- 1. The Last Ones Standing -- 2. It's Not Too Late (Yet) -- 3. A Perfect Storm -- 4. Power -- 5. Food -- 6. Money -- 7. Resuscitation -- 8. Back from the Brink -- Acknowledgments -- Notes -- Index
Sommario/riassunto	Paleobiologist Anthony D. Barnosky weaves together evidence from the deep past and the present to alert us to the looming Sixth Mass Extinction and to offer a practical, hopeful plan for avoiding it. Writing from the front lines of extinction research, Barnosky tells the overarching story of geologic and evolutionary history and how it informs the way humans inhabit, exploit, and impact Earth today. He presents compelling evidence that unless we rethink how we generate the power we use to run our global ecosystem, where we get our food, and how we make our money, we will trigger what would be the sixth great extinction on Earth, with dire consequences. Optimistic that we can change this ominous forecast if we act now, Barnosky provides clear-cut strategies to guide the planet away from global catastrophe. In many instances the necessary technology and know-how already exist and are being applied to crucial issues around human-caused climate change, feeding the world's growing population, and exploiting natural resources. Deeply informed yet accessibly written, Dodging

2. Record Nr.	UNINA9910300258603321
Autore	Quirk Thomas J
Titolo	Excel 2010 for Environmental Sciences Statistics : A Guide to Solving Practical Problems / / by Thomas J. Quirk, Meghan H. Quirk, Howard F. Horton
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-23971-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XVII, 246 p. 162 illus., 2 illus. in color.)
Collana	Excel for Statistics, , 2570-4605
Disciplina	519.5
Soggetti	Statistics Environmental sciences Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences Environmental Science and Engineering Math. Appl. in Environmental Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Sample Size, Mean, Standard Deviation, and 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).
Sommario/riassunto	This is the first book to show the capabilities of Microsoft Excel to teach environmental sciences statistics effectively. It is a step-by-step exercise-driven guide for students and practitioners who need to master Excel to solve practical environmental sciences 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 environmental science courses. Its powerful computational ability and graphical functions make learning statistics much easier than in years past. However, Excel 2010 for Environmental Sciences 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 environmental science 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. Includes 162 illustrations in color Suitable for undergraduates or graduate students

Prof. Thomas J. Quirk is currently a Professor of Marketing in the George Herbert Walker School of Business & Technology at Webster University based in St. Louis, Missouri (USA) where he teaches Marketing Statistics, Marketing Research, and Pricing Strategies. He has published 20+ articles in professional journals, and presented 20+ papers at professional meetings. He holds a B.S. in Mathematics from John Carroll University, both an M.A. in Education and a Ph.D. in Educational Psychology from Stanford University, and an M.B.A. from The University of Missouri-St. Louis. Dr. Meghan H. Quirk holds both a Ph.D. in Biological Education and an M.A. in Biological Sciences from the University of Northern Colorado (UNC) and a B.A. in Biology and Religion at Principia College in Elmhurst, Illinois. She has done research on foodweb dynamics at Wind Cave National Park in South Dakota and research in agro-ecology in Southern Belize. She has co-authored an article on shortgrass steppe ecosystems in *Photochemistry & Photobiology*. She was a National Science Foundation Fellow GK-12, and currently teaches in Bailey, Colorado. Howard F. Horton holds an MS in Biological Sciences from the University of Northern Colorado (UNC) and a BS in Biological Sciences from Mesa State College. He has worked on research projects in Pawnee National Grasslands, Rocky Mountain National Park, Long Term Ecological Research at Toolik Lake, Alaska, and Wind Cave, South Dakota. He has co-authored articles in *The International Journal of Speleology* and *The Journal of Cave and Karst Studies*. He was a National Science Foundation Fellow GK-12, and a District Wildlife Manager with the Colorado Division of Parks and Wildlife. He is currently the Angler Outreach Coordinator for Colorado Parks and Wildlife (USA).

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