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Titolo	How to use statistics // Steve Lakin
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ISBN	1-283-73369-2 0-273-75622-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xv, 283 p.) : col. ill
Collana	Smarter study skills
Disciplina	519.5
Soggetti	Mathematical statistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Formerly CIP.
Nota di contenuto	Preface and acknowledgements How to use this book A note on mathematics, calculators and computer software Introductory statistics 1. Introduction to statistics and data 2. Presentation of data 3. Averages 4. Cumulative frequencies and percentiles 5. Measures of dispersion 6. Working with frequency distributions Essential mathematics 7. Factorials, permutations and combinations 8. Sigma notation Correlation and regression 9. Correlation 10. Linear regression Probability 11. An introduction to probability 12. Multiple probabilities 13. Probability trees 14. Expected values and decision criteria 15. Conditional probability Probability distributions 16. Introduction to probability distributions 17. The Poisson distribution 18. The normal distribution 19. The binormal distribution Hypothesis testing 20. Introduction to hypothesis testing. 21. z- tests 22. t- tests 23. 2-tests 24. F-tests. The use of F-tests for comparison of variances Statistical Tables Table A - The normal distribution $N(0, 1)$ Table B - Confidence limits for the z -test Table C1 - The one-tailed t -test Table C2 - The two-tailed t -test Table D - Critical values for the 2 distribution Table E1 - Critical values for the F -test (5%) Table E2 - Critical values for the F -test (1%) Summary, glossary and appendices Summary and further work Glossary Appendix 1 - 'Use of a calculator' test Appendix 2 - The Greek alphabet Appendix 3 - Some useful Excel commands Solutions to exercises
Sommario/riassunto	Statistics is arguably the main means through which maths appears in

non-maths courses. De-mystifying the basics for even the most maths-terrified of students, this book will inspire confident and accurate use of statistics for non-maths courses.
