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Titolo	Sampling and statistical methods for behavioral ecologists // Jonathan Bart, Michael A. Fligner, and William I. Notz [[electronic resource]]
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Descrizione fisica	1 online resource (xii, 330 pages) : digital, PDF file(s)
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Nota di contenuto	Cover; Half-title; Dedication; Title; Copyright; Contents; Preface; 1 Statistical analysis in behavioral ecology; 2 Estimation; 3 Tests and confidence intervals; 4 Survey sampling methods; 5 Regression; 6 Pseudoreplication; 7 Sampling behavior; 8 Monitoring abundance; 9 Capture...recapture methods; 10 Estimating survivorship; 11 Resource selection; 12 Other statistical methods; Appendix One Frequently used statistical methods; Appendix Two Statistical tables; Appendix Three Notes for Appendix One; References; Index
Sommario/riassunto	This 1998 book describes the sampling and statistical methods used most often by behavioral ecologists and field biologists. Written by a biologist and two statisticians, it provides a rigorous discussion together with worked examples of statistical concepts and methods that are generally not covered in introductory courses, and which are

consequently poorly understood and applied by field biologists. The first section reviews important issues such as defining the statistical population and the sampling plan when using non-random methods for sample selection, bias, interpretation of statistical tests, confidence intervals and multiple comparisons. After a detailed discussion of sampling methods and multiple regression, subsequent chapters discuss specialized problems such as pseudoreplication, and their solutions. It will quickly become the statistical handbook for all field biologists.

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