

1. Record Nr.	UNINA9910777618003321
Titolo	Design and analysis of ecological experiments [[electronic resource] /] / edited by Samuel M. Scheiner and Jessica Gurevitch
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2001
ISBN	0-19-770067-5 1-280-53066-9 9786610530663 0-19-803022-3 1-4294-0174-5
Edizione	[2nd ed.]
Descrizione fisica	514 p. : il. ; ; 24 cm
Altri autori (Persone)	ScheinerSamuel M. <1956-> GurevitchJessica
Disciplina	577/.07/27
Soggetti	Ecology - Statistical methods Experimental design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. 371-401).
Nota di contenuto	Contents; Contributors; 1 Theories, Hypotheses, and Statistics; 2 Power Analysis and Experimental Design; 3 Exploratory Data Analysis and Graphic Display; 4 ANOVA: Experimental Layout and Analysis; 5 ANOVA and ANCOVA: Field Competition Experiments; 6 MANOVA: Multiple Response Variables and Multispecies Interactions; 7 ANCOVA: Nonparametric and Randomization Approaches; 8 Repeated-measures Analysis: Growth and Other Time-dependent Measures; 9 Time Series Intervention Analysis: Unreplicated Large-scale Experiments; 10 Nonlinear Curve Fitting: Predation and Functional Response Curves; 11 Logit Modeling and Logistic Regression: Aphids, Ants, and Plants; 12 Path Analysis: Pollination; 13 Failure-time Analysis: Studying Times to Events and Rates at Which Events Occur; 14 The Bootstrap and the Jackknife: Describing the Precision of Ecological Indices; 15 Spatial Statistics: Analysis of Field Experiments; 16 Mantel Tests: Spatial Structure in Field Experiments; 17 Bayesian Statistics: Estimating Plant Demographic Parameters; 18 Meta-analysis: Combining the Results of Independent Experiments; References; Index

