

1. Record Nr.	UNINA9911019481403321
Autore	Armstrong Richard A
Titolo	Statistical analysis in microbiology : statnotes
Pubbl/distr/stampa	[Place of publication not identified], : Wiley Blackwell Pub, 2011
ISBN	0-470-90517-4
Disciplina	579.0727
Soggetti	Microbiology - Statistical methods Biology Health & Biological Sciences Microbiology & Immunology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Are the data normally distributed? -- Describing the normal distribution -- Testing the difference between two groups -- What if the data are not normally distributed? -- Chi-square contingency tables -- One-way analysis of variance (anova) -- Post hoc tests -- Is one set of data more variable than another? -- Statistical power and sample size -- One-way analysis of variance (random effects model) : the nested or hierarchical design -- Two-way analysis of variance -- Two-factor analysis of variance -- Split-plot analysis of variance -- Repeated-measures analysis of variance -- Correlation of two variables -- Limits of agreement -- Nonparametric correlation coefficients -- Fitting a regression line to data -- Using a regression line for prediction and calibration -- Comparison of regression lines -- Nonlinear regression : fitting an exponential curve -- Nonlinear regression : fitting a general polynomial-type curve -- Nonlinear regression : fitting a logistic growth curve -- Nonparametric analysis of variance -- Multiple linear regression -- Stepwise multiple regression -- Classification and dendrograms -- Factor analysis and principal components analysis -- Which test to use : table -- Which test to use : key -- Glossary of statistical terms and their abbreviations -- Summary of sample size procedures for different statistical tests.

