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| Titolo                  | Statistical analysis in microbiology : statnotes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Soggetti                | Microbiology - Statistical methods<br>Biology<br>Health & Biological Sciences<br>Microbiology & Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 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. |

