1.	Record Nr.	UNINA9910555025503321
	Autore	Denis Daniel J. <1974->
	Titolo	Univariate, bivariate, and multivariate statistics using R : quantitative tools for data analysis and data science / / Daniel J. Denis
	Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2020
	ISBN	1-119-54991-4 1-119-54996-5 1-119-54995-7
	Descrizione fisica	1 online resource (287 pages)
	Disciplina	519.53
	Soggetti	Analysis of variance Multivariate analysis Mathematical statistics - Data processing R (Computer program language) Anàlisi de variància Anàlisi multivariable Estadística matemàtica Processament de dades Llibres electrònics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction to applied statistics -- Introduction to R and computational statistics -- Exploring data with R : essential graphics and visualization -- Means, correlations, counts : drawing inferences using easy-to-implement statistical tests -- Power analysis and sample size estimation using R -- Analysis of variance : fixed effects, random effects, mixed models and repeated measures -- Simple and multiple linear regression -- Logistic regression and the generalized linear model -- Multivariate analysis of variance (MANOVA) and discriminant analysis -- Principal components analysis -- Exploratory factor analysis -- Cluster analysis -- Nonparametric tests.
	Sommario/riassunto	"This book provides a user-friendly and practical guide on R, with emphasis on covering a broader range of statistical methods than

previous books on R. This is a "how to" book and will be of use to undergraduates and graduate students along with researchers and professionals who require a quick go-to source to help them perform essential statistical analyses and data management tasks in R. The book only assumes minimal prior knowledge of statistics, providing readers with the tools they need right now to help them understand and interpret their data analyses. This book covers univariate, bivariate, and multivariate statistical methods, as well as some nonparametric tests. It provides students with a hands-on easy-to-read manual on the wealth of applied statistics and essential R computing that they will need for their theses, dissertations, and research publications. A strength of this book is its scope of coverage of univariate through to multivariate procedures, while simultaneously serving as a friendly introduction to R software"--