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Titolo	Statistics for library and information services : a primer for using open source R software for accessibility and visualization // Alon Friedman
Pubbl/distr/stampa	Lanham : , : Rowman & Littlefield, , [2016] ©2016
ISBN	1442249935 (ebook)
Descrizione fisica	1 online resource (373 pages)
Disciplina	020.72/7
Soggetti	Information science - Statistical methods Library statistics R (Computer program language) Information visualization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Research design -- Data (types and collection methods) -- How to run R -- Descriptive statistics -- Bivariate statistics -- Probability theory -- Random variables and probability distributions -- Sampling distributions -- Confidence interval estimation -- Fundamentals of hypothesis testing -- Correlation and regression -- Analysis of variances and chi-square tests -- Time series and predictive analytics -- Visualization display -- Advanced visualization display -- Applying visualization to statistics analysis -- Appendix A. Frequency used formulas used in this book -- Appendix B. Statistics tables (Z score and critical values for student's T distribution) -- Appendix C. Frequency R commands.
Sommario/riassunto	Statistics for Library and Information Services, written for non-statisticians, provides logical, user-friendly, and step-by-step instructions to make statistics more accessible for students and professionals in the field of Information Science. It emphasizes concepts of statistical theory and data collection methodologies, but also extends to the topics of visualization creation and display, so that the reader will be able to better conduct statistical analysis and communicate findings. The book is tailored for information science

students and professionals. It has specific examples of dataset sets, scripts, design modules, data repositories, homework assignments, and a glossary lexicon that matches the field of Information Science. The textbook provides a visual road map that is customized specifically for Information Science instructors, students, and professionals regarding statistics and visualization. Don't miss the book's companion Web site at www.statisticsforlis.org.
