Record Nr. UNINA9910460600703321 Autore Anderson Stewart Titolo Biostatistics: a computing approach / / by Stewart Anderson Pubbl/distr/stampa Boca Raton, FL:,: Chapman and Hall/CRC, an imprint of Taylor and Francis, , [2011] ©2012 **ISBN** 0-429-11269-6 1-4398-9790-5 Edizione [First edition.] Descrizione fisica 1 online resource (323 p.) Chapman & Hall/CRC Biostatistics Series Collana Disciplina 570.15195 Soggetti Biometry - Computer simulation Biometry - Statistical methods Biometry - Methodology **Biomathematics** Electronic books. 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. Nota di contenuto Front Cover; Contents; Preface; 1. Review of Topics in Probability and Statistics; 2. Use of Simulation Techniques; 3. The Central Limit Theorem; 4. Correlation and Regression; 5. Analysis of Variance; 6. Discrete Measures of Risk; 7. Multivariate Analysis; 8. Analysis of Repeated Measures Data; 9. Nonparametric Methods; 10. Analysis of Time to Event Data; 11. Sample size and Power Calculations; 12. Appendix A: Using SAS; 13. Appendix B: Using R; 14. References The emergence of high-speed computing has facilitated the Sommario/riassunto development of many exciting statistical and mathematical methods in the last 25 years, broadening the landscape of available tools in statistical investigations of complex data. Biostatistics: A Computing Approach focuses on visualization and computational approaches associated with both modern and classical techniques. Furthermore, it promotes computing as a tool for performing both analyses and

simulations that can facilitate such understanding.