

1. Record Nr.	UNINA9910130878503321
Autore	Kallen Anders
Titolo	Understanding Biostatistics [[electronic resource]]
Pubbl/distr/stampa	Chichester, : Wiley, 2011
ISBN	1-283-40542-3 9786613405425 1-119-99268-0 1-119-99267-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (392 p.)
Collana	Statistics in Practice
Disciplina	570.1/5195 570.15195
Soggetti	Biometry Biostatistics Models, Statistical Models, Theoretical Statistics as Topic Epidemiologic Methods Investigative Techniques Health Care Evaluation Mechanisms Public Health Therapeutics Quality of Health Care Environment and Public Health Health Care Quality, Access, and Evaluation Health Care Biology Health & Biological Sciences Biology - General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Understanding Biostatistics; Contents; Preface; 1 Statistics and medical

science; 1.1 Introduction; 1.2 On the nature of science; 1.3 How the scientific method uses statistics; 1.4 Finding an outcome variable to assess your hypothesis; 1.5 How we draw medical conclusions from statistical results; 1.6 A few words about probabilities; 1.7 The need for honesty: the multiplicity issue; 1.8 Prespecification and p-value history; 1.9 Adaptive designs: controlling the risks in an experiment; 1.10 The elusive concept of probability; 1.11 Comments and further reading; References

2 Observational studies and the need for clinical trials 2.1 Introduction; 2.2 Investigations of medical interventions and risk factors; 2.3 Observational studies and confounders; 2.4 The experimental study; 2.5 Population risks and individual risks; 2.6 Confounders, Simpson's paradox and stratification; 2.7 On incidence and prevalence in epidemiology; 2.8 Comments and further reading; References; 3 Study design and the bias issue; 3.1 Introduction; 3.2 What bias is all about; 3.3 The need for a representative sample: on selection bias; 3.4 Group comparability and randomization  
3.5 Information bias in a cohort study 3.6 The study, or placebo, effect; 3.7 The curse of missing values; 3.8 Approaches to data analysis: avoiding self-inflicted bias; 3.9 On meta-analysis and publication bias; 3.10 Comments and further reading; References; 4 The anatomy of a statistical test; 4.1 Introduction; 4.2 Statistical tests, medical diagnosis and Roman law; 4.3 The risks with medical diagnosis; 4.3.1 Medical diagnosis based on a single test; 4.3.2 Bayes' theorem and the use and misuse of screening tests; 4.4 The law: a non-quantitative analogue; 4.5 Risks in statistical testing  
4.5.1 Does tonsillectomy increase the risk of Hodgkin's lymphoma?  
4.5.2 General discussion about statistical tests; 4.6 Making statements about a binomial parameter; 4.6.1 The frequentist approach; 4.6.2 The Bayesian approach; 4.7 The bell-shaped error distribution; 4.8 Comments and further reading; References; 4.A Appendix: The evolution of the central limit theorem; 5 Learning about parameters, and some notes on planning; 5.1 Introduction; 5.2 Test statistics described by parameters; 5.3 How we describe our knowledge about a parameter from an experiment  
6.3 Describing the sample: descriptive statistics

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## Sommario/riassunto

Understanding Biostatistics looks at the fundamentals of biostatistics, using elementary statistics to explore the nature of statistical tests. This book is intended to complement first-year statistics and biostatistics textbooks. The main focus here is on ideas, rather than on methodological details. Basic concepts are illustrated with representations from history, followed by technical discussions on what different statistical methods really mean. Graphics are used extensively throughout the book in order to introduce mathematical formulae in an accessible way. Key features

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2. Record Nr.	UNINA9910709998403321
Autore	Hendricks E. L (Ernest LeRoy), <1909->
Titolo	Compilation of records of surface waters of the United States, October 1950 to September 1960 . Part 8 Western Gulf of Mexico Basins // prepared under the direction of E. L. Hendricks
Pubbl/distr/stampa	[Washington, D.C.] : , : United States Department of the Interior, Geological Survey, , 1964 Washington : , : United States Government Printing Office
Descrizione fisica	1 online resource (xiii, 574 pages, 1 page of plates) : illustrations, map
Collana	Geological Survey water-supply paper ; ; 1732
Soggetti	Water quality - Arizona Water quality - Texas Water-supply - Arizona Water-supply - Texas Water quality Water-supply Arizona Texas
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.

3. Record Nr.	UNINA9910299047903321
Titolo	Recommender Systems for Technology Enhanced Learning : Research Trends and Applications / / edited by Nikos Manouselis, Hendrik Drachsler, Katrien Verbert, Olga C. Santos
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2014
ISBN	1-4939-0530-9
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (309 p.)
Disciplina	004 005.7 006.3 370
Soggetti	Artificial intelligence Education Computers Artificial Intelligence Education, general Information Systems and Communication Service
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	Collaborative Filtering Recommendation of Educational Content in Social Environments utilizing Sentiment Analysis Techniques -- Towards automated evaluation of learning resources inside repositories -- Linked Data and the Social Web as facilitators for TEL recommender systems in research and practice -- The Learning Registry: Applying Social Metadata for Learning Resource Recommendations -- A Framework for Personalised Learning-Plan Recommendations in Game-Based Learning -- An approach for an Affective Educational Recommendation Model -- The Case for Preference-Inconsistent Recommendations -- Further Thoughts on Context-Aware Paper Recommendations for Education -- Towards a Social Trust-aware Recommender for Teachers -- ALEF: from Application to Platform for Adaptive Collaborative Learning -- Two Recommending Strategies to enhance Online Presence in Personal Learning Environments --

Recommendations from Heterogeneous Sources in a Technology Enhanced Learning Ecosystem -- COCOON CORE: CO-Author Recommendations based on Betweenness Centrality and Interest Similarity -- Scientific Recommendations to Enhance Scholarly Awareness and Foster Collaboration.

**Sommario/riassunto**

As an area, Technology Enhanced Learning (TEL) aims to design, develop and test socio-technical innovations that will support and enhance learning practices of individuals and organizations. Information retrieval is a pivotal activity in TEL and the deployment of recommender systems has attracted increased interest during the past years. Recommendation methods, techniques and systems open an interesting new approach to facilitate and support learning and teaching. The goal is to develop, deploy and evaluate systems that provide learners and teachers with meaningful guidance in order to help identify suitable learning resources from a potentially overwhelming variety of choices. Contributions address the following topics: i) user and item data that can be used to support learning recommendation systems and scenarios, ii) innovative methods and techniques for recommendation purposes in educational settings and iii) examples of educational platforms and tools where recommendations are incorporated.