1. Record Nr. UNINA9910494625303321

Titolo	Language and chronology [[e-book]] : text dating by machine learning / / Gregory Toner, Xiwu Han
Pubbl/distr/stampa	Leiden Boston : , : Brill | Rodopi, , 2019
ISBN	90-04-41004-X
Descrizione fisica	1 online resource (xii, 183 pages) : illustrations
Collana	Language and Computers; ; volume84
Disciplina	891.62002
Soggetti	Irish literature - Middle Irish, 1100-1550 - Dating Irish literature - Middle Irish, 1100-1550 - Criticism, Textual Manuscript dating - Methodology Machine learning - Technique Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Matter -- Copyright Page / Gregory Toner and Xiwu Han -- Abbreviations / Gregory Toner and Xiwu Han -- Introduction / Gregory Toner and Xiwu Han -- Dating Texts: Principles and Methods / Gregory Toner and Xiwu Han -- Computational Approaches to Text Dating / Gregory Toner and Xiwu Han -- Trials in English and Medieval Irish Texts / Gregory Toner and Xiwu Han -- Dating Long Documents / Gregory Toner and Xiwu Han -- Conclusion / Gregory Toner and Xiwu Han -- Back Matter -- Bibliography / Gregory Toner and Xiwu Han -- Index / Gregory Toner and Xiwu Han.
Sommario/riassunto	In Language and Chronology, Toner and Han apply innovative Machine Learning techniques to the problem of the dating of literary texts. Many ancient and medieval literatures lack reliable chronologies which could aid scholars in locating texts in their historical context. The new machine-learning method presented here uses chronological information gleaned from annalistic records to date a wide range of texts. The method is also applied to multi-layered texts to aid the identification of different chronological strata within single copies. While the algorithm is here applied to medieval Irish material of the period c.700-c.1700, it can be extended to written texts in any

	language or alphabet. The authors' approach presents a step change in Digital Humanities, moving us beyond simple querying of electronic texts towards the production of a sophisticated tool for literary and historical studies.

2.

Record Nr.	UNINA9910143187703321
Autore	Mason Robert L (Robert Lee), <1946->
Titolo	Statistical design and analysis of experiments : with applications to engineering and science / / Robert L. Mason, Richard F. Gunst, James L. Hess
Pubbl/distr/stampa	New York, : J. Wiley, 2003
ISBN	9786610366217 9781280366215 1280366214 9780470354506 047035450X 9781601190512 1601190514 9780471458517 0471458511 9780471458500 0471458503
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (752 p.)
Collana	Wiley series in probability and statistics
Altri autori (Persone)	GunstRichard F. <1947-> HessJames L
Disciplina	507/.27
Soggetti	Engineering - Statistical methods Science - Statistical methods Experimental design - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Statistical Design and Analysis of Experiments; Preface; Contents; PART I FUNDAMENTAL STATISTICAL CONCEPTS; 1. Statistics in Engineering

and Science; 1.1. The Role of Statistics in Experimentation; 1.2. Populations and Samples; 1.3. Parameters and Statistics; 1.4. Mathematical and Statistical Modeling; Exercises; 2. Fundamentals of Statistical Inference; 2.1. Traditional Summary Statistics; 2.2. Statistical Inference; 2.3. Probability Concepts; 2.4. Interval Estimation; 2.5. Statistical Tolerance Intervals; 2.6. Tests of Statistical Hypotheses; 2.7. Sample Size and Power
Appendix: Probability CalculationsExercises; 3. Inferences on Means and Standard Deviations; 3.1. Inferences on a Population or Process Mean; 3.1.1. Confidence Intervals; 3.1.2. Hypothesis Tests; 3.1.3. Choice of a Confidence Interval or a Test; 3.1.4. Sample Size; 3.2. Inferences on a Population or Process Standard Deviation; 3.2.1. Confidence Intervals; 3.2.2. Hypothesis Tests; 3.3. Inferences on Two Populations or Processes Using Independent Pairs of Correlated Data Values; 3.4. Inferences on Two Populations or Processes Using Data from Independent Samples
3.5. Comparing Standard Deviations from Several PopulationsExercises; PART II DESIGN AND ANALYSIS WITH FACTORIAL STRUCTURE; 4. Statistical Principles in Experimental Design; 4.1. Experimental-Design Terminology; 4.2. Common Design Problems; 4.2.1. Masking Factor Effects; 4.2.2. Uncontrolled Factors; 4.2.3. Erroneous Principles of Efficiency; 4.2.4. One-Factor-at-a-Time Testing; 4.3. Selecting a Statistical Design; 4.3.1. Consideration of Objectives; 4.3.2. Factor Effects; 4.3.3. Precision and Efficiency; 4.3.4. Randomization; 4.4. Designing for Quality Improvement; Exercises
5. Factorial Experiments in Completely Randomized Designs5.1. Factorial Experiments; 5.2. Interactions; 5.3. Calculation of Factor Effects; 5.4. Graphical Assessment of Factor Effects; Appendix: Calculation of Effects for Factors with More than Two Levels; Exercises; 6. Analysis of Completely Randomized Designs; 6.1. Balanced Multifactor Experiments; 6.1.1. Fixed Factor Effects; 6.1.2. Analysis-of-Variance Models; 6.1.3. Analysis-of-Variance Tables; 6.2. Parameter Estimation; 6.2.1. Estimation of the Error Standard Deviation; 6.2.2. Estimation of Effects Parameters
6.2.3. Quantitative Factor Levels6.3. Statistical Tests; 6.3.1. Tests on Individual Parameters; 6.3.2. F-Tests for Factor Effects; 6.4. Multiple Comparisons; 6.4.1. Philosophy of Mean-Comparison Procedures; 6.4.2. General Comparisons of Means; 6.4.3. Comparisons Based on t-Statistics; 6.4.4. Tukey's Significant Difference Procedure; 6.5. Graphical Comparisons; Exercises; 7. Fractional Factorial Experiments; 7.1. Confounding of Factor Effects; 7.2. Design Resolution; 7.3. Two-Level Fractional Factorial Experiments; 7.3.1. Half Fractions; 7.3.2. Quarter and Smaller Fractions
7.4. Three-Level Fractional Factorial Experiments

Sommario/riassunto

Emphasizes the strategy of experimentation, data analysis, and the interpretation of experimental results.Features numerous examples using actual engineering and scientific studies.Presents statistics as an integral component of experimentation from the planning stage to the presentation of the conclusions.Deep and concentrated experimental design coverage, with equivalent but separate emphasis on the analysis of data from the various designs.Topics can be implemented by practitioners and do not require a high level of training in statistics. New edition includes new and