

1. Record Nr.	UNINA9910707333603321
Autore	Cox Allan <1926-1987.>
Titolo	Anomalous remanent magnetization of basalt / / by Allan Cox
Pubbl/distr/stampa	[Washington, D.C.] : , : United States Department of the Interior, Geological Survey, , 1961 Washington : , : United States Government Printing Office
Descrizione fisica	1 online resource (pages iv, 131-160) : illustrations
Collana	Experimental and theoretical geophysics Geological Survey bulletin ; ; 1083-E
Soggetti	Basalt - Analysis Basalt - Idaho Magnetization Basalt Idaho
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A study of causes of anomalous magnetization with analysis of field and experimental data to show that lightning probably produced anomalous magnetization in basalts in Idaho." Title from title screen (viewed July 26, 2016).
Nota di bibliografia	Includes bibliographical references (pages 158-160).

2. Record Nr.	UNISA996495166503316
Autore	Bozza Silvia
Titolo	Bayes Factors for Forensic Decision Analyses with R [[electronic resource] /] / by Silvia Bozza, Franco Taroni, Alex Biedermann
Pubbl/distr/stampa	Cham, : Springer Nature, 2022 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-031-09839-0
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (XII, 187 p. 22 illus., 5 illus. in color.)
Collana	Springer Texts in Statistics, , 2197-4136
Disciplina	519.5
Soggetti	Statistics Mathematical statistics—Data processing Forensic sciences Medical jurisprudence Forensic psychology Social sciences—Statistical methods Statistical Theory and Methods Statistics and Computing Forensic Science Forensic Medicine Forensic Psychology Statistics in Social Sciences, Humanities, Law, Education, Behavioral Sciences, Public Policy Estadística bayesiana Processament de dades Criminalística R (Llenguatge de programació) Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introduction to the Bayes factor and decision analysis -- Chapter 2: Bayes factor for model choice -- Chapter 3: Bayes factor for evaluative purposes -- Chapter 4: Bayes factor for investigative

purposes.

Sommario/riassunto

Bayes Factors for Forensic Decision Analyses with R provides a self-contained introduction to computational Bayesian statistics using R. With its primary focus on Bayes factors supported by data sets, this book features an operational perspective, practical relevance, and applicability—keeping theoretical and philosophical justifications limited. It offers a balanced approach to three naturally interrelated topics: Probabilistic Inference - Relies on the core concept of Bayesian inferential statistics, to help practicing forensic scientists in the logical and balanced evaluation of the weight of evidence. Decision Making - Features how Bayes factors are interpreted in practical applications to help address questions of decision analysis involving the use of forensic science in the law. Operational Relevance - Combines inference and decision, backed up with practical examples and complete sample code in R, including sensitivity analyses and discussion on how to interpret results in context. Over the past decades, probabilistic methods have established a firm position as a reference approach for the management of uncertainty in virtually all areas of science, including forensic science, with Bayes' theorem providing the fundamental logical tenet for assessing how new information—scientific evidence—ought to be weighed. Central to this approach is the Bayes factor, which clarifies the evidential meaning of new information, by providing a measure of the change in the odds in favor of a proposition of interest, when going from the prior to the posterior distribution. Bayes factors should guide the scientist's thinking about the value of scientific evidence and form the basis of logical and balanced reporting practices, thus representing essential foundations for rational decision making under uncertainty. This book would be relevant to students, practitioners, and applied statisticians interested in inference and decision analyses in the critical field of forensic science. It could be used to support practical courses on Bayesian statistics and decision theory at both undergraduate and graduate levels, and will be of equal interest to forensic scientists and practitioners of Bayesian statistics for driving their evaluations and the use of R for their purposes. This book is Open Access.
