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| 1. Record Nr. | UNINA9910785403303321 |
| Titolo | The nature of scientific evidence [[electronic resource]] : statistical, philosophical and empirical considerations / / edited by Mark L. Taper and Subhash R. Lele |
| Pubbl/distr/stampa | Chicago, : University of Chicago Press, 2004 |
| ISBN | 1-283-05860-X 9786613058607 0-226-78958-6 |
| Descrizione fisica | 1 online resource (586 p.) |
| Classificazione | WC 7600 |
| Altri autori (Persone) | TaperMark L. <1952-> LeleSubhash |
| Disciplina | 507/.2 |
| Soggetti | Science - Statistical methods Science - Methodology |
| 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 | pt. 1. Scientific process -- pt. 2. Logics of evidence -- pt. 3. Realities of nature -- pt. 4. Science, opinion and evidence -- pt. 5. Models, realities and evidence -- pt. 6. Conclusion. |
| Sommario/riassunto | An exploration of the statistical foundations of scientific inference, The Nature of Scientific Evidence asks what constitutes scientific evidence and whether scientific evidence can be quantified statistically. Mark Taper, Subhash Lele, and an esteemed group of contributors explore the relationships among hypotheses, models, data, and inference on which scientific progress rests in an attempt to develop a new quantitative framework for evidence. Informed by interdisciplinary discussions among scientists, philosophers, and statisticians, they propose a new "evidential" approach, which may be more in keeping with the scientific method. The Nature of Scientific Evidence persuasively argues that all scientists should care more about the fine points of statistical philosophy because therein lies the connection between theory and data. Though the book uses ecology as an exemplary science, the interdisciplinary evaluation of the use of statistics in empirical research will be of interest to any reader engaged |

in the quantification and evaluation of data.
