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| 1. Record Nr.           | UNINA9910583372603321                                                                                                                                                                                                                                                                                                                                                                                                |
| Autore                  | Smalheiser Neil R.                                                                                                                                                                                                                                                                                                                                                                                                   |
| Titolo                  | Data literacy : how to make your experiments robust and reproducible /<br>/ Neil Smalheiser, MD, PhD, Associate Professor in Psychiatry,<br>Department of Psychiatry and Psychiatric Institute, University of Illinois<br>School of Medicine, USA                                                                                                                                                                    |
| Pubbl/distr/stampa      | Amsterdam : , : Academic Press, an imprint of Elsevier, , [2017]<br>2017                                                                                                                                                                                                                                                                                                                                             |
| Descrizione fisica      | 1 online resource (xvii, 261 pages) : illustrations (some color)                                                                                                                                                                                                                                                                                                                                                     |
| Collana                 | Gale eBooks                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 006.312                                                                                                                                                                                                                                                                                                                                                                                                              |
| Soggetti                | Data mining<br>Research - Data processing<br>Medicine - Research - Data processing                                                                                                                                                                                                                                                                                                                                   |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                   |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                           |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and<br>index.                                                                                                                                                                                                                                                                                                                                        |
| Nota di contenuto       | A. Designing your experiment -- B. Getting a "feel" for your data -- C.<br>Statistics (without much math!) -- D. Make your data go farther.                                                                                                                                                                                                                                                                          |
| Sommario/riassunto      | This book provides an overview of the basic concepts and skills<br>involved in handling scientific data, and examines the processes that<br>are necessary when carrying out a scientific study and some of the<br>factors that make a study robust and reproducible. Experimental<br>design, data cleansing and preparation, statistical analysis, data<br>management, and reporting are among the topics discussed. |