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| 1. Record Nr.           | UNIBAS000036250   |
| Autore                  | Vaccari, Lino   |
| Titolo                  | Come vivono gli animali : compendio di morfologia e biologia animale ad uso delle scuole medie superiori / Lino Vaccari |
| Pubbl/distr/stampa      | Torino ; Genova : S. Lattes, 1925   |
| Descrizione fisica      | VIII, 479 p. : ill. ; 24 cm.  |
| Disciplina              | 590   |
| Soggetti                | Animali   |
| Lingua di pubblicazione | Italiano  |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| 2. Record Nr.           | UNINA9910260629203321   |
| Autore                  | Schapire Robert E.  |
| Titolo                  | Boosting : foundations and algorithms // Robert E. Schapire and Yoav Freund   |
| Pubbl/distr/stampa      | Cambridge, Massachusetts : , : MIT Press, , c2012<br>[Piscataway, New Jersey] : , : IEEE Xplore, , [2012]               |
| ISBN                    | 1-280-67835-6<br>9786613655288<br>0-262-30118-0   |
| Descrizione fisica      | 1 online resource (544 p.)  |
| Collana                 | Adaptive computation and machine learning series  |
| Altri autori (Persone)  | FreundYoav  |
| Disciplina              | 006.3/1   |
| Soggetti                | Boosting (Algorithms)<br>Supervised learning (Machine learning)<br>Electronic books.                                    |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph   |
| Nota di bibliografia    | Includes bibliographical references and indexes.  |

## Nota di contenuto

Foundations of machine learning -- Using AdaBoost to minimize training error -- Direct bounds on the generalization error -- The margins explanation for boosting's effectiveness -- Game theory, online learning, and boosting -- Loss minimization and generalizations of boosting -- Boosting, convex optimization, and information geometry -- Using confidence-rated weak predictions -- Multiclass classification problems -- Learning to rank -- Attaining the best possible accuracy -- Optimally efficient boosting -- Boosting in continuous time.

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## Sommario/riassunto

Boosting is an approach to machine learning based on the idea of creating a highly accurate predictor by combining many weak and inaccurate "rules of thumb." A remarkably rich theory has evolved around boosting, with connections to a range of topics, including statistics, game theory, convex optimization, and information geometry. Boosting algorithms have also enjoyed practical success in such fields as biology, vision, and speech processing. At various times in its history, boosting has been perceived as mysterious, controversial, even paradoxical. This book, written by the inventors of the method, brings together, organizes, simplifies, and substantially extends two decades of research on boosting, presenting both theory and applications in a way that is accessible to readers from diverse backgrounds while also providing an authoritative reference for advanced researchers. With its introductory treatment of all material and its inclusion of exercises in every chapter, the book is appropriate for course use as well. The book begins with a general introduction to machine learning algorithms and their analysis; then explores the core theory of boosting, especially its ability to generalize; examines some of the myriad other theoretical viewpoints that help to explain and understand boosting; provides practical extensions of boosting for more complex learning problems; and finally presents a number of advanced theoretical topics. Numerous applications and practical illustrations are offered throughout.

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