1. 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 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2012]
ISBN	1-280-67835-6 9786613655288 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) Supervised learning (Machine learning) 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.
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.

2.

Record Nr.	UNINA9910702095403321
Autore	Lord Stephen M
Titolo	Aviation security [[electronic resource]] : status of TSA's acquisition of technology for screening passenger identification and boarding passes : testimony before the Subcommittee on Transportation Security, Committee on Homeland Security, House of Representatives / / statement of Stephen M. Lord
Pubbl/distr/stampa	[Washington, D.C.] : , : U.S. Govt. Accountability Office, , [2012]
Descrizione fisica	1 online resource (12 pages)
Collana	Testimony ; ; GAO-12-826T
Soggetti	Airline passenger security screening - Technological innovations - United States Aeronautics, Commercial - Security measures - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (viewed July 18, 2012). "For release ... June 19, 2012."
Nota di bibliografia	Includes bibliographical references.