1. Record Nr. UNINA9910963198603321

Titolo	Semi-supervised learning / / [edited by] Olivier Chapelle, Bernhard Scholkopf, Alexander Zien
Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, c2006
ISBN	1-282-09618-4 0-262-25589-8 1-4294-1408-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (528 p.)
Collana	Adaptive computation and machine learning
Altri autori (Persone)	ChapelleOlivier ScholkopfBernhard ZienAlexander
Disciplina	006.3/1
Soggetti	Supervised learning (Machine learning)
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 (p. [479]-497).
Nota di contenuto	Contents; Series Foreword; Preface; 1 - Introduction to Semi-Supervised Learning; 2 - A Taxonomy for Semi-Supervised Learning Methods; 3 - Semi-Supervised Text Classification Using EM; 4 - Risks of Semi-Supervised Learning: How Unlabeled Data Can Degrade Performance of Generative Classifiers; 5 - Probabilistic Semi-Supervised Clustering with Constraints; 6 - Transductive Support Vector Machines; 7 - Semi-Supervised Learning Using Semi- Definite Programming; 8 - Gaussian Processes and the Null-Category Noise Model; 9 - Entropy Regularization; 10 - Data-Dependent Regularization 11 - Label Propagation and Quadratic Criterion12 - The Geometric Basis of Semi-Supervised Learning; 13 - Discrete Regularization; 14 - Semi-Supervised Learning with Conditional Harmonic Mixing; 15 - Graph Kernels by Spectral Transforms; 16- Spectral Methods for Dimensionality Reduction; 17 - Modifying Distances; 18 - Large-Scale Algorithms; 19 - Semi-Supervised Protein Classification Using Cluster Kernels; 20 - Prediction of Protein Function from Networks; 21 - Analysis of Benchmarks; 22 - An Augmented PAC Model for Semi-Supervised Learning 23 - Metric-Based Approaches for Semi- Supervised Regression and

	Classification24 - Transductive Inference and Semi-Supervised Learning; 25 - A Discussion of Semi-Supervised Learning and Transduction; References; Notation and Symbols; Contributors; Index
Sommario/riassunto	A comprehensive review of an area of machine learning that deals with the use of unlabeled data in classification problems, this text looks at state-of-the-art algorithms, applications benchmark experiments, and directions for future research.