Record Nr. UNINA9910783718703321 Machine learning applications in software engineering [[electronic **Titolo** resource] /] / editors, Du Zhang, Jeffrey J.P. Tsai Pubbl/distr/stampa Hackensack, N.J.; Hong Kong,: World Scientific, c2005 **ISBN** 1-281-37255-2 9786611372552 981-256-927-8 Descrizione fisica 1 online resource (367 p.) Collana Series on software engineering and knowledge engineering:: v. 16 Altri autori (Persone) ZhangDu TsaiJeffrey J.-P Disciplina 006.31 Soggetti Software engineering Computer software - Quality control Computer software - Evaluation Machine learning Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 345-355) and index. ACKNOWLEDGMENT; TABLE OF CONTENTS; Chapter 1 Introduction to Nota di contenuto Machine Learning and Software Engineering; Chapter 2 ML Applications in Prediction and Estimation; Chapter 3 ML Applications in Property and Model Discovery; Chapter 4 ML Applications in Transformation; Chapter 5 ML Applications in Generation and Synthesis; Chapter 6 ML Applications in Reuse; Chapter 7 ML Applications in Requirement Acquisition; Chapter 8 ML Applications in Management of Development Knowledge; Chapter 9 Guidelines and Conclusion; References Machine learning deals with the issue of how to build Sommario/riassunto computerprograms that improve their performance at some tasks throughexperience. Machine learning algorithms have proven to be of greatpractical value in a variety of application domains. Not surprisingly, the field of software engineering turns out to be a fertile groundwhere many software development and maintenance tasks could beformulated as learning problems and approached in terms of

learningalgorithms.