1. Record Nr.   UNINA9910144914303321

Titolo   Inductive Logic Programming [[electronic resource]] : 7th International Workshop, ILP-97, Prague, Czech Republic, September 17-20, 1997, Proceedings / / edited by Nada Lavra, Saso Dzeroski

Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997

ISBN   3-540-69587-7

Edizione   [1st ed. 1997.]

Descrizione fisica   1 online resource (X, 318 p.)

Collana   Lecture Notes in Artificial Intelligence ; ; 1297

Disciplina   005.1/15

Soggetti   Architecture, Computer
Artificial intelligence
Computer programming
Computer System Implementation
Artificial Intelligence
Programming Techniques

Lingua di pubblicazione   Inglese

Formato   Materiale a stampa

Livello bibliografico   Monografia

Note generali   Bibliographic Level Mode of Issuance: Monograph

Nota di contenuto   Knowledge discovery in databases: An overview -- On the complexity of some Inductive Logic Programming problems -- Inductive logic programming and constraint logic programming (abstract) -- Learning phonetic rules in a speech recognition system -- Cautious induction in inductive logic programming -- Generating numerical literals during refinement -- Lookahead and discretization in ILP -- Data mining via ILP: The application of Progol to a database of enantioseparations -- Part-of-speech tagging using Progol -- Maximum Entropy modeling with Clausal Constraints -- Mining association rules in multiple relations -- Using logical decision trees for clustering -- Induction of Slovene nominal paradigms -- Normal forms for inductive logic programming -- On a sufficient condition for the existence of most specific hypothesis in progol -- Induction of logic programs with more than one recursive clause by analyzing saturations -- A logical framework for graph theoretical decision tree learning -- Learning with abduction -- Systematic Predicate Invention in Inductive Logic

Programming -- Learning programs in the event calculus -- Distance between Herbrand interpretations: A measure for approximations to a target concept -- Realizing Progol by forward reasoning -- Probabilistic first-order classification -- Learning Horn definitions with equivalence and membership queries -- Using abstraction schemata in inductive logic programming -- Distance induction in first order logic -- Carcinogenesis predictions using ILP -- Discovery of first-order regularities in a relational database using ofine candidate determination -- Which hypotheses can be found with inverse entailment?.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 7th International Workshop on Inductive Logic Programming, ILP-97, held in Prague, Czech Republic, in September 1997. The volume presents revised versions of nine papers in long version and 17 short papers accepted after a thorough reviewing process. Also included are three invited papers by Usama Fayyad, Jean-Francois Puget, and Georg Gottlob. Among the topics addressed are various logic programming issues, natural language processing, speech processing, abductive learning, data mining, knowledge discovery, and relational database systems. |