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Autore	Fløttum Kjersti
Titolo	Academic voices [[electronic resource]] : across languages and disciplines / / Kjersti Fløttum, Trine Daho, Torodd Kinn
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : J. Benjamins Pub. Co., 2006
ISBN	1-282-15578-4 9786612155789 90-272-9348-1
Descrizione fisica	ix, 309 p
Collana	Pragmatics & beyond, , 0922-842X ; ; v. 148
Altri autori (Persone)	Gedde-DahlTrine KinnTorodd
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Soggetti	Academic writing Writing Electronic books.
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2. Record Nr.	UNINA9910484264703321
Autore	Sucar Luis Enrique
Titolo	Probabilistic Graphical Models : Principles and Applications / / by Luis Enrique Sucar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-61943-5
Edizione	[2nd ed. 2021.]
Descrizione fisica	1 online resource (XXVIII, 355 p. 167 illus., 144 illus. in color.)
Collana	Advances in Computer Vision and Pattern Recognition, , 2191-6594
Disciplina	003.54
Soggetti	Computer science - Mathematics Mathematical statistics Artificial intelligence Pattern recognition systems Probabilities Electrical engineering Probability and Statistics in Computer Science Artificial Intelligence Automated Pattern Recognition Probability Theory Electrical and Electronic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Introduction -- Probability Theory -- Graph Theory -- Bayesian Classifiers -- Hidden Markov Models -- Markov Random Fields -- Bayesian Networks: Representation and Inference -- Bayesian Networks: Learning -- Dynamic and Temporal Bayesian Networks -- Decision Graphs -- Markov Decision Processes -- Partially Observable Markov Decision Processes -- Relational Probabilistic Graphical Models -- Graphical Causal Models -- Causal Discovery -- Deep Learning and Graphical Models -- A Python Library for Inference and Learning -- Glossary -- Index.
Sommario/riassunto	This fully updated new edition of a uniquely accessible textbook/reference provides a general introduction to probabilistic

graphical models (PGMs) from an engineering perspective. It features new material on partially observable Markov decision processes, graphical models, and deep learning, as well as an even greater number of exercises. The book covers the fundamentals for each of the main classes of PGMs, including representation, inference and learning principles, and reviews real-world applications for each type of model. These applications are drawn from a broad range of disciplines, highlighting the many uses of Bayesian classifiers, hidden Markov models, Bayesian networks, dynamic and temporal Bayesian networks, Markov random fields, influence diagrams, and Markov decision processes. Topics and features: Presents a unified framework encompassing all of the main classes of PGMs Explores the fundamental aspects of representation, inference and learning for each technique Examines new material on partially observable Markov decision processes, and graphical models Includes a new chapter introducing deep neural networks and their relation with probabilistic graphical models Covers multidimensional Bayesian classifiers, relational graphical models, and causal models Provides substantial chapter-ending exercises, suggestions for further reading, and ideas for research or programming projects Describes classifiers such as Gaussian Naive Bayes, Circular Chain Classifiers, and Hierarchical Classifiers with Bayesian Networks Outlines the practical application of the different techniques Suggests possible course outlines for instructors This classroom-tested work is suitable as a textbook for an advanced undergraduate or a graduate course in probabilistic graphical models for students of computer science, engineering, and physics. Professionals wishing to apply probabilistic graphical models in their own field, or interested in the basis of these techniques, will also find the book to be an invaluable reference. Dr. Luis Enrique Sucar is a Senior Research Scientist at the National Institute for Astrophysics, Optics and Electronics (INAOE), Puebla, Mexico.
