1. Record Nr. UNINA9910788943503321 Autore Lemeire Jan Titolo Learning causal models of multivariate systems : and the value of it for the performance modeling of computer programs / / by Jan Lemeire Pubbl/distr/stampa Brussels, Belgium: ,: Vrije Universiteit Brussel, , 2007 ©2007 Descrizione fisica 1 online resource (240 p.) Disciplina 511.8 Soggetti Algorithms Multivariate analysis - Computer programs Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Thesis submitted in fulfilment of the requirements for the award of the Note generali degree of Doctor in de ingenieurswetenschappen (Doctor in Engineering)." Includes bibliographical references. Nota di bibliografia ""Contents""; ""Introduction""; ""I Causal Inference""; ""Principles of Nota di contenuto Inductive Inference""; ""Classical Information Theory""; ""Maximum Entropy Principle""; ""Kernel Density Estimation""; ""Occam's Razor""; ""Kolmogorov Complexity""; ""Definition""; ""Minimum Description Length""; ""Kolmogorov Minimal Sufficient Statistic""; ""Regularities as Meaningful Information""; ""Typicality""; ""Sufficient Statistics""; ""Algorithmic Sufficient Statistics"": ""Conclusions of Chapter"": ""Graphical Causal Models""; ""Independencies""; ""Correlation"" ""Qualitative Property and Qualitative Reasoning"""The Occurrence of Independencies""; ""Graphoid Properties""; ""Markov networks""; ""Bayesian Networks""; ""Representation of Distributions""; ""Representation of Independencies""; ""Graphical Causal Models""; ""Defining Causality: The Shadow's Cause""; ""Interventions""; ""Causally Interpreted Bayesian Networks""; ""Invalidity of the Markov Network Representation""; ""Causal Structure Learning Algorithms""; ""The PC Algorithm""; ""Assumptions""; ""Complexity""; ""Summary of Chapter"" ""The Meaningful Information of Probability Distributions"""Minimal Description of Distributions""; ""Compression of Distributions""; ""Minimality of Causal Models""; ""Correspondence of Causal

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