



Propositional Probabilistic and Evidential Reasoning

Weiru Liu

Download now

[Click here](#) if your download doesn't start automatically

Propositional Probabilistic and Evidential Reasoning

Weiru Liu

Propositional Probabilistic and Evidential Reasoning Weiru Liu

How to draw plausible conclusions from uncertain and conflicting sources of evidence is one of the major intellectual challenges of Artificial Intelligence. It is a prerequisite of the smart technology needed to help humans cope with the information explosion of the modern world. In addition, computational modelling of uncertain reasoning is a key to understanding human rationality. Previous computational accounts of uncertain reasoning have fallen into two camps: purely symbolic and numeric. This book represents a major advance by presenting a unifying framework which unites these opposing camps. The Incidence Calculus can be viewed as both a symbolic and a numeric mechanism. Numeric values are assigned indirectly to evidence via the possible worlds in which that evidence is true. This facilitates purely symbolic reasoning using the possible worlds and numeric reasoning via the probabilities of those possible worlds. Moreover, the indirect assignment solves some difficult technical problems, like the combination of dependent sources of evidence, which had defeated earlier mechanisms. Weiru Liu generalises the Incidence Calculus and then compares it to a succession of earlier computational mechanisms for uncertain reasoning: Dempster-Shafer Theory, Assumption-Based Truth Maintenance, Probabilistic Logic, Rough Sets, etc. She shows how each of them is represented and interpreted in Incidence Calculus. The consequence is a unified mechanism which includes both symbolic and numeric mechanisms as special cases. It provides a bridge between symbolic and numeric approaches, retaining the advantages of both and overcoming some of their disadvantages.



[Download Propositional Probabilistic and Evidential Reasoning.pdf](#)



[Read Online Propositional Probabilistic and Evidential Reasoning.pdf](#)

From reader reviews:

Agustin Thornsberry:

Do you have something that you like such as book? The guide lovers usually prefer to decide on book like comic, quick story and the biggest an example may be novel. Now, why not striving Propositional Probabilistic and Evidential Reasoning that give your entertainment preference will be satisfied by simply reading this book. Reading addiction all over the world can be said as the way for people to know world a great deal better then how they react when it comes to the world. It can't be claimed constantly that reading addiction only for the geeky man or woman but for all of you who wants to become success person. So , for all you who want to start reading as your good habit, you are able to pick Propositional Probabilistic and Evidential Reasoning become your own starter.

Richard Linneman:

Beside that Propositional Probabilistic and Evidential Reasoning in your phone, it may give you a way to get closer to the new knowledge or details. The information and the knowledge you can got here is fresh from the oven so don't always be worry if you feel like an old people live in narrow small town. It is good thing to have Propositional Probabilistic and Evidential Reasoning because this book offers to your account readable information. Do you at times have book but you rarely get what it's exactly about. Oh come on, that will not happen if you have this in your hand. The Enjoyable set up here cannot be questionable, such as treasuring beautiful island. Techniques you still want to miss the item? Find this book in addition to read it from now!

William Fuller:

That e-book can make you to feel relax. This specific book Propositional Probabilistic and Evidential Reasoning was colourful and of course has pictures around. As we know that book Propositional Probabilistic and Evidential Reasoning has many kinds or style. Start from kids until teenagers. For example Naruto or Private eye Conan you can read and think that you are the character on there. Therefore not at all of book are make you bored, any it offers up you feel happy, fun and loosen up. Try to choose the best book for you personally and try to like reading in which.

Karen Morris:

As a university student exactly feel bored to reading. If their teacher expected them to go to the library or make summary for some e-book, they are complained. Just minor students that has reading's heart or real their pastime. They just do what the professor want, like asked to go to the library. They go to presently there but nothing reading very seriously. Any students feel that reading is not important, boring and can't see colorful pictures on there. Yeah, it is to get complicated. Book is very important in your case. As we know that on this age, many ways to get whatever we wish. Likewise word says, ways to reach Chinese's country. So , this Propositional Probabilistic and Evidential Reasoning can make you feel more interested to read.

Download and Read Online Propositional Probabilistic and Evidential Reasoning Weiru Liu #5CAGHNS0ZQ9

Read Propositional Probabilistic and Evidential Reasoning by Weiru Liu for online ebook

Propositional Probabilistic and Evidential Reasoning by Weiru Liu Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Propositional Probabilistic and Evidential Reasoning by Weiru Liu books to read online.

Online Propositional Probabilistic and Evidential Reasoning by Weiru Liu ebook PDF download

Propositional Probabilistic and Evidential Reasoning by Weiru Liu Doc

Propositional Probabilistic and Evidential Reasoning by Weiru Liu MobiPocket

Propositional Probabilistic and Evidential Reasoning by Weiru Liu EPub