



Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications

A. Bifet

Download now

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

Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications

A. Bifet

Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications A. Bifet

This book is a significant contribution to the subject of mining time-changing data streams and addresses the design of learning algorithms for this purpose. It introduces new contributions on several different aspects of the problem, identifying research opportunities and increasing the scope for applications. It also includes an in-depth study of stream mining and a theoretical analysis of proposed methods and algorithms. The first section is concerned with the use of an adaptive sliding window algorithm (ADWIN). Since this has rigorous performance guarantees, using it in place of counters or accumulators, it offers the possibility of extending such guarantees to learning and mining algorithms not initially designed for drifting data. Testing with several methods, including Naïve Bayes, clustering, decision trees and ensemble methods, is discussed as well. The second part of the book describes a formal study of connected acyclic graphs, or trees, from the point of view of closure-based mining, presenting efficient algorithms for subtree testing and for mining ordered and unordered frequent closed trees. Lastly, a general methodology to identify closed patterns in a data stream is outlined. This is applied to develop an incremental method, a sliding-window based method, and a method that mines closed trees adaptively from data streams. These are used to introduce classification methods for tree data streams.

IOS Press is an international science, technical and medical publisher of high-quality books for academics, scientists, and professionals in all fields.

Some of the areas we publish in:

- Biomedicine
- Oncology
- Artificial intelligence
- Databases and information systems
- Maritime engineering
- Nanotechnology
- Geoengineering
- All aspects of physics
- E-governance
- E-commerce
- The knowledge economy
- Urban studies
- Arms control
- Understanding and responding to terrorism
- Medical informatics
- Computer Sciences

 [Read Online Adaptive Stream Mining: Pattern Learning and Min ...pdf](#)

Download and Read Free Online Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications A. Bifet

From reader reviews:

Eric Frances:

The book Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications make one feel enjoy for your spare time. You can use to make your capable far more increase. Book can being your best friend when you getting tension or having big problem with your subject. If you can make looking at a book Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications to get your habit, you can get much more advantages, like add your capable, increase your knowledge about a few or all subjects. You can know everything if you like open and read a guide Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications. Kinds of book are several. It means that, science book or encyclopedia or some others. So , how do you think about this publication?

Jerry Day:

Do you among people who can't read pleasant if the sentence chained within the straightway, hold on guys that aren't like that. This Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications book is readable through you who hate those perfect word style. You will find the details here are arrange for enjoyable reading through experience without leaving actually decrease the knowledge that want to provide to you. The writer regarding Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications content conveys the thought easily to understand by a lot of people. The printed and e-book are not different in the information but it just different in the form of it. So , do you nevertheless thinking Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications is not loveable to be your top record reading book?

Eric Freeman:

The publication untitled Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications is the guide that recommended to you to see. You can see the quality of the book content that will be shown to anyone. The language that author use to explained their way of doing something is easily to understand. The article writer was did a lot of study when write the book, hence the information that they share to your account is absolutely accurate. You also will get the e-book of Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications from the publisher to make you a lot more enjoy free time.

Sean Jones:

Playing with family within a park, coming to see the coastal world or hanging out with buddies is thing that usually you have done when you have spare time, after that why you don't try issue that really opposite from that. 1 activity that make you not experience tired but still relaxing, trilling like on roller coaster you are ride on and with addition associated with. Even you love Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications, you are able to enjoy both. It is excellent combination right, you still want to miss it? What kind of hangout type is it? Oh can occur its mind hangout guys. What? Still don't buy it, oh come on its referred to as reading friends.

Download and Read Online Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications A. Bifet #U4M2O3SFYC8

Read Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet for online ebook

Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet 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 Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet books to read online.

Online Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet ebook PDF download

Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet Doc

Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet Mobipocket

Adaptive Stream Mining: Pattern Learning and Mining from Evolving Data Streams - Volume 207 Frontiers in Artificial Intelligence and Applications by A. Bifet EPub