1. Record Nr. UNINA9910783223703321

| | |
|---|---|
| Titolo | Data mining in time series databases [[electronic resource] /] / editors, Mark Last, Abraham Kandel, Horst Bunke |
| Pubbl/distr/stampa | New Jersey ; ; London, : World Scientific, c2004 |
| ISBN | 1-281-34776-0<br>9786611347765<br>981-256-540-X<br>1-4237-2302-3 |
| Edizione | [57th ed.] |
| Descrizione fisica | 1 online resource (205 p.) |
| Collana | Series in machine perception and artificial intelligence ; ; v. 57 |
| Classificazione | 54.64 |
| Altri autori (Persone) | LastMark<br>KandelAbraham<br>BunkeHorst |
| Disciplina | 006.33 |
| Soggetti | Data mining<br>Distributed databases |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Preface; Contents; Chapter 1 Segmenting Time Series: A Survey and Novel Approach E. Keogh, S. Chu, D. Hart and M. Pazzani; Chapter 2 A Survey of Recent Methods for Efficient Retrieval of Similar Time Sequences M. L. Hetland; Chapter 3 Indexing of Compressed Time Series E. Fink and K. B. Pratt; Chapter 4 Indexing Time-Series under Conditions of Noise M. Vlachos, D. Gunopulos and G. Das; Chapter 5 Change Detection in Classification Models Induced from Time Series Data G. Zeira, O. Maimon, M. Last and L. Rokach<br>Chapter 6 Classification and Detection of Abnormal Events in Time Series of Graphs H. Bunke and M. KraetzlChapter 7 Boosting Interval-Based Literals: Variable Length and Early Classification C. J. Alonso Gonzalez and J. J. Rodriguez Diez; Chapter 8 Median Strings: A Review X. Jiang, H. Bunke and J. Csirik |
| Sommario/riassunto | Adding the time dimension to real-world databases produces Time SeriesDatabases (TSDB) and introduces new aspects and difficulties to datamining and knowledge discovery. This book covers the state-of-the-artmethodology for mining time series databases. The novel data |

miningmethods presented in the book include techniques for efficientsegmentation, indexing, and classification of noisy and dynamic timeseries. A graph-based method for anomaly detection in time series isdescribed and the book also studies the implications of a novel andpotentially useful representation of time series as strings.