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Nota di contenuto	Data Mining Techniques in Grid Computing Environments; Contents; Preface; List of Contributors; 1 Data mining meets grid computing: Time to dance?; 1.1 Introduction; 1.2 Data mining; 1.2.1 Complex data mining problems; 1.2.2 Data mining challenges; 1.3 Grid computing; 1.3.1 Grid computing challenges; 1.4 Data mining grid - mining grid data; 1.4.1 Data mining grid: a grid facilitating large-scale data mining; 1.4.2 Mining grid data: analyzing grid systems with data mining techniques; 1.5 Conclusions; 1.6 Summary of Chapters in this Volume; 2 Data analysis services in the knowledge grid 2.1 Introduction2.2 Approach; 2.3 Knowledge Grid services; 2.3.1 The Knowledge Grid architecture; 2.3.2 Implementation; 2.4 Data analysis services; 2.5 Design of Knowledge Grid applications; 2.5.1 The VEGA visual language; 2.5.2 UML application modelling; 2.5.3 Applications and experiments; 2.6 Conclusions; 3 GridMiner: An advanced support for e-science analytics; 3.1 Introduction; 3.2 Rationale behind the design and development of GridMiner; 3.3 Use Case; 3.4 Knowledge

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 6.9.2 Evaluating the running time of the framework

## Sommario/riassunto

Based around eleven international real life case studies and including contributions from leading experts in the field this groundbreaking book explores the need for the grid-enabling of data mining applications and provides a comprehensive study of the technology, techniques and management skills necessary to create them. This book provides a simultaneous design blueprint, user guide, and research agenda for current and future developments and will appeal to a broad audience; from developers and users of data mining and grid technology, to advanced undergraduate and postgraduate students inte