

1. Record Nr.	UNISALENTO991001934419707536
Titolo	Partial differential equations and functional analysis : the Philippe Clément Festschrift / Erik Koelink ... [et al.], editors
Pubbl/distr/stampa	Boston ; Basel; Berlin : Birkhäuser, c2006
ISBN	3764376007
Descrizione fisica	vi, 294 p. : ill. ; 24 cm
Collana	Operator theory. Advances and applications ; 168
Classificazione	AMS 00B15 AMS 35-06 AMS 47-06 AMS 60-06 LC QA377.P2955
Altri autori (Persone)	Clément, Philippe Koelink, Erikauthor
Disciplina	515.353
Soggetti	Differential equations, Partial Integral equations Linear operators
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references

2. Record Nr.	UNINA9910484827803321
Autore	Owsiski Jan W
Titolo	Data Analysis in Bi-partial Perspective: Clustering and Beyond // by Jan W. Owsiski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-13389-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 153 p.)
Collana	Studies in Computational Intelligence, , 1860-949X ; ; 818
Disciplina	519.53
Soggetti	Engineering—Data processing Computational intelligence Artificial intelligence Data Engineering Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Chapter 1. Notation and main assumptions -- Chapter 2. The problem of cluster analysis -- Chapter 3. The general formulation of the objective function -- Chapter 4. Formulations and rationales for other problems in data analysis, etc.
Sommario/riassunto	This book presents the bi-partial approach to data analysis, which is both uniquely general and enables the development of techniques for many data analysis problems, including related models and algorithms. It is based on adequate representation of the essential clustering problem: to group together the similar, and to separate the dissimilar. This leads to a general objective function and subsequently to a broad class of concrete implementations. Using this basis, a suboptimising procedure can be developed, together with a variety of implementations. This procedure has a striking affinity with the classical hierarchical merger algorithms, while also incorporating the stopping rule, based on the objective function. The approach resolves the cluster number issue, as the solutions obtained include both the content and the number of clusters. Further, it is demonstrated how the

bi-partial principle can be effectively applied to a wide variety of problems in data analysis. The book offers a valuable resource for all data scientists who wish to broaden their perspective on basic approaches and essential problems, and to thus find answers to questions that are often overlooked or have yet to be solved convincingly. It is also intended for graduate students in the computer and data sciences, and will complement their knowledge and skills with fresh insights on problems that are otherwise treated in the standard “academic” manner.
