

1. Record Nr.	UNINA9910484842703321
Autore	Lotfi Farhad Hossein Zadeh <1967->
Titolo	Data Envelopment Analysis with R // Farhad Hosseinzadeh Lotfi [et al.]
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-24277-3
Edizione	[1st edition 2020.]
Descrizione fisica	1 online resource (XIV, 236 p.) : 71 illus., 1 illus. in color.)
Collana	Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 386
Disciplina	338.50151972 519.72
Soggetti	Data envelopment analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction to Data Envelopment Analysis and Fuzzy Sets -- Introductions and Definitions of R -- Basic DEA Models with R Codes -- Advanced DEA Models with R Codes -- Fuzzy Data Envelopment Analysis Models with R Codes.
Sommario/riassunto	This book introduces readers to the use of R codes for optimization problems. First, it provides the necessary background to understand data envelopment analysis (DEA), with a special emphasis on fuzzy DEA. It then describes DEA models, including fuzzy DEA models, and shows how to use them to solve optimization problems with R. Further, it discusses the main advantages of R in optimization problems, and provides R codes based on real-world data sets throughout. Offering a comprehensive review of DEA and fuzzy DEA models and the corresponding R codes, this practice-oriented reference guide is intended for masters and Ph.D. students in various disciplines, as well as practitioners and researchers.