



Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software

By Emmanuel Thanassoulis

Download now

Read Online ➔

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis

1 DATA ENVELOPMENT ANALYSIS Data Envelopment Analysis (DEA) was initially developed as a method for assessing the comparative efficiencies of organisational units such as the branches of a bank, schools, hospital departments or restaurants. The key in each case is that they perform feature which makes the units comparable the same function in terms of the kinds of resource they use and the types of output they produce. For example all bank branches to be compared would typically use staff and capital assets to effect income generating activities such as advancing loans, selling financial products and carrying out banking transactions on behalf of their clients. The efficiencies assessed in this context by DEA are intended to reflect the scope for resource conservation at the unit being assessed without detriment to its outputs, or alternatively, the scope for output augmentation without additional resources. The efficiencies assessed are comparative or relative because they reflect scope for resource conservation or output augmentation at one unit relative to other comparable benchmark units rather than in some absolute sense. We resort to relative rather than absolute efficiencies because in most practical contexts we lack sufficient information to derive the superior measures of absolute efficiency. DEA was initiated by Charnes Cooper and Rhodes in 1978 in their seminal paper Charnes et al. (1978). The paper operationalised and extended by means of linear programming production economics concepts of empirical efficiency put forth some twenty years earlier by Farrell (1957).

 [Download Introduction to the Theory and Application of Data ...pdf](#)

 [Read Online Introduction to the Theory and Application of Da ...pdf](#)

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software

By Emmanuel Thanassoulis

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis

1 DATA ENVELOPMENT ANALYSIS Data Envelopment Analysis (DEA) was initially developed as a method for assessing the comparative efficiencies of organisational units such as the branches of a bank, schools, hospital departments or restaurants. The key in each case is that they perform feature which makes the units comparable the same function in terms of the kinds of resource they use and the types of output they produce. For example all bank branches to be compared would typically use staff and capital assets to effect income generating activities such as advancing loans, selling financial products and carrying out banking transactions on behalf of their clients. The efficiencies assessed in this context by DEA are intended to reflect the scope for resource conservation at the unit being assessed without detriment to its outputs, or alternatively, the scope for output augmentation without additional resources. The efficiencies assessed are comparative or relative because they reflect scope for resource conservation or output augmentation at one unit relative to other comparable benchmark units rather than in some absolute sense. We resort to relative rather than absolute efficiencies because in most practical contexts we lack sufficient information to derive the superior measures of absolute efficiency. DEA was initiated by Charnes Cooper and Rhodes in 1978 in their seminal paper Charnes et al. (1978). The paper operationalised and extended by means of linear programming production economics concepts of empirical efficiency put forth some twenty years earlier by Farrell (1957).

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis Bibliography

- Sales Rank: #4892301 in Books
- Brand: Brand: Springer
- Published on: 2001-07-31
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .75" w x 6.14" l, 1.47 pounds
- Binding: Hardcover
- 281 pages

 [Download Introduction to the Theory and Application of Data ...pdf](#)

 [Read Online Introduction to the Theory and Application of Da ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Tara Thornton:

Here thing why this kind of Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software are different and dependable to be yours. First of all reading a book is good nevertheless it depends in the content than it which is the content is as yummy as food or not. Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software giving you information deeper as different ways, you can find any reserve out there but there is no publication that similar with Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software. It gives you thrill studying journey, its open up your current eyes about the thing this happened in the world which is probably can be happened around you. You can actually bring everywhere like in park, café, or even in your technique home by train. If you are having difficulties in bringing the branded book maybe the form of Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software in e-book can be your substitute.

Janet Steele:

Do you considered one of people who can't read enjoyable if the sentence chained inside straightway, hold on guys this kind of aren't like that. This Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software book is readable through you who hate those perfect word style. You will find the data here are arrange for enjoyable reading experience without leaving possibly decrease the knowledge that want to provide to you. The writer connected with Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software content conveys prospect easily to understand by a lot of people. The printed and e-book are not different in the content material but it just different such as it. So , do you nevertheless thinking Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software is not loveable to be your top list reading book?

Christopher Decker:

Hey guys, do you desires to finds a new book to study? May be the book with the concept Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software suitable to you? The book was written by famous writer in this era. The particular book untitled Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software is the main one of several books that will everyone read now. That book was inspired a lot of people in the world. When you read this guide you will enter the new shape that you ever know before. The author explained their concept in the simple way, therefore all of people can easily to comprehend the core of this publication. This book will give you a lots of information about this world now. To help you to see the represented of the

world in this book.

Daniel White:

Beside this kind of Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software in your phone, it might give you a way to get nearer to the new knowledge or info. The information and the knowledge you can get here is fresh from your oven so don't be worry if you feel like an aged people live in narrow commune. It is good thing to have Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software because this book offers to you readable information. Do you occasionally have book but you do not get what it's interesting features of. Oh come on, that won't happen if you have this within your hand. The Enjoyable arrangement here cannot be questionable, including treasuring beautiful island. So do you still want to miss it? Find this book and read it from today!

Download and Read Online Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis #I713K4VE9O2

Read Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis for online ebook

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis 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 Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis books to read online.

Online Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis ebook PDF download

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis Doc

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis Mobipocket

Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis EPub

I713K4VE9O2: Introduction to the Theory and Application of Data Envelopment Analysis: A Foundation Text with Integrated Software By Emmanuel Thanassoulis