

SUPPER REMAINING SHEETS

THE
SHEETS

THE
SHEETS

THE
SHEETS

THE
SHEETS

THE
SHEETS



Super Reading Secrets

Sebastian Brünink



Super Reading Secrets:

This book delves into Super Reading Secrets. Super Reading Secrets is a crucial topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Super Reading Secrets, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Super Reading Secrets
- Chapter 2: Essential Elements of Super Reading Secrets
- Chapter 3: Super Reading Secrets in Everyday Life
- Chapter 4: Super Reading Secrets in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Super Reading Secrets. The first chapter will explore what Super Reading Secrets is, why Super Reading Secrets is vital, and how to effectively learn about Super Reading Secrets.
3. In chapter 2, the author will delve into the foundational concepts of Super Reading Secrets. The second chapter will elucidate the essential principles that must be understood to grasp Super Reading Secrets in its entirety.
4. In chapter 3, this book will examine the practical applications of Super Reading Secrets in daily life. The third chapter will showcase real-world examples of how Super Reading Secrets can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Super Reading Secrets in specific contexts. This chapter will explore how Super Reading Secrets is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Super Reading Secrets. The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Super Reading Secrets.

https://ftp.thebrandexperience.com/public/virtual-library/Download_PDFS/the%20duke%20of%20stockbridge.pdf

Table of Contents Super Reading Secrets

1. Understanding the eBook Super Reading Secrets

- The Rise of Digital Reading Super Reading Secrets
- Advantages of eBooks Over Traditional Books
- 2. Identifying Super Reading Secrets
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Super Reading Secrets
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Super Reading Secrets
 - Personalized Recommendations
 - Super Reading Secrets User Reviews and Ratings
 - Super Reading Secrets and Bestseller Lists
- 5. Accessing Super Reading Secrets Free and Paid eBooks
 - Super Reading Secrets Public Domain eBooks
 - Super Reading Secrets eBook Subscription Services
 - Super Reading Secrets Budget-Friendly Options
- 6. Navigating Super Reading Secrets eBook Formats
 - ePub, PDF, MOBI, and More
 - Super Reading Secrets Compatibility with Devices
 - Super Reading Secrets Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Super Reading Secrets
 - Highlighting and Note-Taking Super Reading Secrets
 - Interactive Elements Super Reading Secrets
- 8. Staying Engaged with Super Reading Secrets
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Super Reading Secrets

9. Balancing eBooks and Physical Books Super Reading Secrets
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Super Reading Secrets
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Super Reading Secrets
 - Setting Reading Goals Super Reading Secrets
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Super Reading Secrets
 - Fact-Checking eBook Content of Super Reading Secrets
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Super Reading Secrets Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Super Reading Secrets free PDF files is Open Library. With its vast collection of

over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Super Reading Secrets free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Super Reading Secrets free PDF files is convenient, it's important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but it's essential to be cautious and verify the authenticity of the source before downloading Super Reading Secrets. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether it's classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Super Reading Secrets any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Super Reading Secrets Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read

eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Super Reading Secrets is one of the best book in our library for free trial. We provide copy of Super Reading Secrets in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Super Reading Secrets. Where to download Super Reading Secrets online for free? Are you looking for Super Reading Secrets PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Super Reading Secrets. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Super Reading Secrets are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Super Reading Secrets. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Super Reading Secrets To get started finding Super Reading Secrets, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Super Reading Secrets So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Super Reading Secrets. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Super Reading Secrets, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Super Reading Secrets is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Super Reading Secrets is universally compatible with any devices to read.

Find Super Reading Secrets :

the duke of stockbridge

the diet for your mind to help you find the truth

the discovery of america explorer 7.

the early history of coventry dugdale society occasional papers; no. 24

the dog repair handbook the practical guide to canine health care

the display

~~the dreaded comparison human and animal slavery~~

the earth between them joseph beales letters home to ireland from victoria 1852-53

the divine comedy purgatorio 1 text & 2 commentary

the double agent

the dignity of labor a masonic perspective

the dirty old man

the dieter limited first edition

the disobedient daughter

the dog his world and ours

Super Reading Secrets :

17mca442 data warehousing and data mining syllabus for mca - Dec 06 2022

web jan 24 2023 question paper pattern the question paper will have ten questions each full question consists of 16 marks there will be 2 full questions with a maximum of four

sppu question papers all courses all year sppu mca papers - Nov 05 2022

web mca 5 semester papers mca 5 sem advanced databases 2017 mca 5 sem computer graphics 2017 mca 5 sem enterprise resource planning 2017 mca 5 sem it governance

data mining and ware housing cs402 question papers 2015 - May 31 2022

web full question papers 1 data mining and ware housing cs402 supple september 2020 2 data mining and ware housing cs402 supple october 2019 3 data

previous year question paper for dwm mca 4th - Oct 24 2021

web our website provides solved previous year question paper for data warehousing and data mining from 2014 to 2016

doing preparation from the previous year question paper

data mining and warehousing question papers vtU resource - Jan 07 2023

web jan 23 2023 download vtU data mining and warehousing of 5th semester masters of computer applications with subject code mca552 2002 scheme question papers

data mining question paper for mca download only - Jan 27 2022

web data mining question paper for mca below foundations of data science avrim blum 2020 01 23 this book provides an introduction to the mathematical and algorithmic

data mining question paper for mca pdf banking finance gov - Mar 29 2022

web data mining question paper for mca 1 data mining question paper for mca vtU be data warehousing and data mining question papers data mining from a to z

university question papers data mining for m g university - Apr 29 2022

web jun 3 2014 are you looking for model sample old previous last years question papers of data mining for m g university kerala hereunder you will find such model question

data mining mca data mining and data warehousing previous - Oct 04 2022

web download free data mining mca data mining and data warehousing previous year question papers

ptU mca question papers download all semesters - Aug 02 2022

web here you can download the ptU mca previous year question papers all semesters with just a single click if you have any others punjab technical university 2013 year paper

ignou mcs 221 previous year question papers last 10 years - Jul 01 2022

web march 30 2023 ignoubaba if you re preparing for the ignou mcs 221 data warehousing and data mining exam of mca mcaol 2nd sem and are looking for old

data mining mca 2015 previous year question papers - May 11 2023

web download data mining mca 2015 previous year question papers to understand the pattern of questions asked in the final exam these papers helps to know the important

data mining question papers data mining previous year - Aug 14 2023

web data mining previous question papers year wise data mining mca previous question papers 2015 download data mining previous year paper for for 2020 2019

data mining question paper for mca download only - Feb 25 2022

web contains abstracts of professional and technical papers data mining concepts and techniques jiawei han 2011 06 09 data mining concepts and techniques provides

read free data mining question paper for mca - Dec 26 2021

web own question paper as quick as flash feb 15 2023 web sep 29 2022 an easy way is to use the previous question papers to shortlist the topics and questions accessing the

dmdw mca 3rd pu previous years question papers - Nov 24 2021

web our website provides solved previous year question paper for data mining and data warehousing from 2021 to 2021 doing preparation from the previous year question

vtu data warehousing and data mining question papers mca - Jul 13 2023

web jan 23 2023 vtu data warehousing and data mining question papers 4th sem mca 2017 cbcs scheme vtu question papers mca 2017 scheme 4 sem data

question paper data mining m c a computer applications - Sep 03 2022

web explain the applications of data mining in financial data analysis part c answer any two questions 20 40 16 explain the architecture of data mining in detail explain the

ignou mcs 221 question paper sample paper download pdf - Mar 09 2023

web mcs 221 is data warehousing and data mining what is mca new course in ignou mca new is master of computer application how to prepare for mcs 221 exam

previous year question paper for dwm mca 4th - Jun 12 2023

web our website provides solved previous year question paper for data warehousing and mining from 2013 to 2018 doing preparation from the previous year question paper

20mca252 data mining and business intelligence syllabus for mca - Apr 10 2023

web jan 24 2023 question paper pattern the question paper will have ten questions each full question will be for 20 marks there will be 02 full questions with maximum

egyankosh mcs 221 data warehousing and data mining - Feb 08 2023

web master of computer applications mca new semester ii mcs 221 data warehousing and data mining community home page browse collections in this community block 1

sealy milman annotated guide to the insolvency leg 2023 - Feb 14 2022

web annotated guide to the insolvency legislation volume 2 hedge funds and the law bankruptcy planning appeal decisions rectification disclosure sealy milman the

sealy milman annotated guide to the insolvency leg pdf - Apr 18 2022

web sealy milman annotated guide to the insolvency legislation insolvency act 1986 insolvency england and wales rules 2016 corporate insolvency and governance

sealy milman annotated guide to insolvency legislation - Jul 22 2022

web it gives comprehensive coverage concise analysis and annotated interpretation of the insolvency legislation from leading expert authors sealy milman reproduces

sealy milman annotated guide to the insolvency legislation - Aug 03 2023

web t1 sealy milman annotated guide to the insolvency legislation 2021 24th edition t2 volume 2 au milman david au bailey peter py 2021 5 31 y1 2021 5 31 n2

sealy milman annotated guide to the insolvency legislation - Apr 30 2023

web sealy milman annotated guide to the insolvency legislation is widely regarded as the definitive work for those advising on insolvency this long established legislation

sealy milman annotated guide to the insolvency leg pdf - Dec 15 2021

web legal and practical implications of the latest insolvency legislation it is the standard work for accountants lawyers and government officers dealing with insolvency sealy

sealy milman annotated guide to the insolvency leg pdf - Jan 16 2022

web merely said the sealy milman annotated guide to the insolvency leg is universally compatible with any devices to read sealy milman annotated guide to the

sealy milman annotated guide to the insolvency - Jan 28 2023

web may 24 2023 buy sealy milman annotated guide to the insolvency legislation 2023 volumes 1 2 supplement by professor david milman peter bailey from waterstones

sealy milman annotated guide to the insolvency legis - Oct 13 2021

web sealy and annotated guide to the insolvency legislation is viewed as the definitive guide to sealy milman annotated guide to the insolvency legislation 2022 25th

sealy milman annotated guide to the insolvency leg 2023 - Jul 02 2023

web sealy milman annotated guide to the insolvency legislation insolvency act 1986 insolvency england and wales rules 2016 corporate insolvency and governance

sealy milman annotated guide to the insolvency legislation - Aug 23 2022

web now in its 26th edition this annual guide offers practitioners annotated commentary and clarification on the legal and practical implications of the latest insolvency legislation

wildy sons ltd the world s legal bookshop search results - Dec 27 2022

web find sealy milman annotated guide to the insolvency legislation 2021 volumes 1 2 by len sealy david milman peter bailey isbn 9780414088511 published by sweet

annotated guide to the insolvency legislation l s sealy david - Mar 30 2023

web sealy milman annotated guide to the insolvency legislation is widely regarded as the definitive work for those advising on insolvency this long established legislation

annotated guide to the insolvency leg - Sep 23 2022

web abebooks com annotated guide to the insolvency leg 9781847033000 and a great selection of similar new used and collectible books available now at great prices

sealy milman annotated guide to the insolvency legislation - Sep 04 2023

web view on westlaw or start a free trial today sealy milman annotated guide to the insolvency legislation 26th ed 2023 uk commentary sealy milman annotated

sealy milman annotated guide to the insolvency leg - May 20 2022

web sealy milman annotated guide to the insolvency leg sealy milman jun 12 2021 annotated guide to reference material in the human sciences jul 14 2021 an

wildy sons ltd the world s legal bookshop search results - Oct 25 2022

web sealy and milman annotated guide to the insolvency legislation is viewed as the definitive guide to insolvency law now in its 25th edition this annual guide offers

free pdf download sealy milman annotated guide to the - Jun 20 2022

web sealy milman annotated guide to the insolvency leg law and practice in bankruptcy may 06 2023 legislative guide on insolvency law feb 03 2023 this publication

sealy milman annotated guide to the insolvency leg pdf - Nov 13 2021

web sealy milman annotated guide to the insolvency legislation insolvency act 1986 insolvency england and wales rules 2016 corporate insolvency and governance

sealy milman annotated guide to the insolvency legislation - Oct 05 2023

web sealy milman annotated guide to the insolvency legislation 26th ed 2023 sealy milman annotated guide to the insolvency legislation 26th ed 2023 scope

sealy milman annotated guide to the insolvency legis - Feb 26 2023

web jan 1 2021 sealy milman annotated guide to the insolvency legislation 2021 24th edition volume 1 professor david milman 0 00 0 ratings 0 reviews want to read buy on

sealy milman annotated guide to the insolvency leg - Mar 18 2022

web you could buy guide sealy milman annotated guide to the insolvency leg or get it as soon as feasible you could quickly download this sealy milman annotated guide to

[sealy and milman s annotated guide to the insolvency legislation](#) - Nov 25 2022

web dec 18 2003 annotated guide to the insolvency legislation by l s sealy milman david december 18 2003 sweet maxwell edition paperback 7rev ed edition

sealy milman annotated guide to the insolvency leg - Jun 01 2023

web milman s annotated guide to the insolvency legislation 2015 feb 22 2021 this long established legislation handbook provides annotated commentary and clarification on

microfit 5 5 faculty of economics university of cambridge - Jun 16 2023

web microfit 5 5 copyright bahram pesaran and m hashem pesaran 2017 about the software microfit 5 5 is an interactive menu driven program with a host of facilities for estimation hypothesis testing forecasting data processing file

[microfit 5 5 faculty of economics university of cambridge](#) - Aug 06 2022

web dr bahram pesaran is currently a research consultant at wadhvani asset management he has also worked as a research analyst at tudor investment corporation the bank of england the national institute of economics and social research and the confederation of british industry

m hashem pesaran books faculty of economics - May 15 2023

web with b pesaran working with microfit 4 0 interactive econometric analysis dos and windows versions oxford university press 1997 pp 511 isbn 019 268 530 9 dos 019 268 531 7 windows with peter schmidt eds handbook of applied econometrics microeconomics basil blackwell 1997 pp 453 isbn 1 55786 209 5

[pesaran m h and pesaran b 1997 working with microfit](#) - Jul 05 2022

web pesaran m h and pesaran b 1997 working with microfit 4 0 interactive econometric analysis oxford oxford university press

werksan - Mar 01 2022

web aĖirlik kaldirma ekĖipmanlari platformlar arabalar bar standĖ weightlifting shoes werksan cross

working with microfit 4 0 pesaran m h pesaran b - Feb 12 2023

web aug 28 1997 the accompanying manual working with microfit 4 contains detailed reviews of the underlying econometric and computing methods 76 tutorial lessons using more than 25 different data sets and original time series data used by cobb douglas a w phillips and almon

working with microfit 4 0 interactive econometric analysis - Jul 17 2023

web jan 31 1997 working with microfit 4 0 interactive econometric analysis authors hashem pesaran bahram pesaran edition illustrated publisher oxford university press 1997 isbn 0192683527

working with microfit 4 by m hashem pesaran open library - Apr 14 2023

web aug 28 1997 created by an anonymous user imported from amazon com record working with microfit 4 0 by m hashem pesaran bahram pesaran august 28 1997

working with microfit 4 0 interactive econometric analysis - Sep 19 2023

web semantic scholar extracted view of working with microfit 4 0 interactive econometric analysis by m pesaran et al

working with microfit 4 0 interactive econometric analysis - Aug 18 2023

web working with microfit 4 0 interactive econometric analysis by pesaran m hashem 1946 publication date 1997 topics

microfit computer file microfit computer programs ibm personal computer programming publisher oxford

working with microfit 4 0 interactive econometric analysis - Nov 09 2022

web working with microfit 4 0 interactive econometric analysis working with microfit 4 0 m hashem pesaran bahram pesaran oxford university press 1997 econometrics 505 pages for

working with microfit 4 0 interactive econometric analysis - Oct 08 2022

web working with microfit 4 0 interactive econometric analysis m hashem pesaran and bahram pesaran

parsan makina parçaları sanayi a Ş - Apr 02 2022

web parsan is located in two plants pendik istanbul 120 000 m² total 28 000 m² closed area and dilovasi kocaali 300 000 m²

total 66 000 m² closed area producing components since its foundation in 1968 parsan is an integrated steel forging and machining plant producing forging parts between 1 kg 400 kg in various length and shape

pesaran working microfit secure4 khronos - May 03 2022

web jun 9 2023 tutorial pesaran working microfit ultimately you will definitively find a additional expertise and undertaking

by expending additional money you could swiftly download this pesaran working microfit after securing special working with microfit 4 m hashem pesaran 9780192685315 working with microfit 4 microfit 4

pesaran m h and b pesaran 1997 working with microfit - Jun 04 2022

web pesaran m h and b pesaran 1997 working with microfit 4 0 interactive econometric analysis oxford oxford university press has been cited by the following article article estimation of import demand function using ardl method evidence from nepal kamal raj dhungel 1 1 tribhuvan university nepal

m h pesaran and b pesaran working with microfit 4 0 - Sep 07 2022

web m h pesaran and b pesaran working with microfit 4 0 interactive econometric analysis oxford university press oxford

1997 has been cited by the following article title causalities between price pond area and employment in aquaculture

production authors nik hashim nik mustapha azlina abd aziz nik mohd hazrul hashim

working with microfit 4 0 by m hashem pesaran goodreads - Jan 11 2023

web aug 28 1997 5 00 1 rating0 reviews for the econometric analysis of time series data microfit is an unrivalled package it

is an interactive menu driven program with a host of facilities for estimating and testing equations forecasting data processing file management and graphic display

pursan pigment Ürünleri sanayi ticaret a Ş - Jan 31 2022

web pürsan pigment Ürünleri Şirketimiz tekstil sanayinin en önemli hammadde tedarikçilerinden birisi konumundadır 60 yıl önce boya ithalatı ile başlayan iş hayatımız zaman içinde transformasyon geçirerek her türlü iplik ve kumaş boyalarını kimyasallarını ve özel aprelerini akrilik iplik hammaddelerini ve elastan

using microfit 5 gbv - Mar 13 2023

web using microfit 5 0 bahram pesaran and m hashem pesaran c 259836 oxford university press contents i introduction to microfit 1 1 introduction 3 1 1 what is microfit 3 1 2 new features of microfit 5 0 3 1 2 1 new functions and commands 5 1 2 2 single equation estimation techniques 5

working with microfit 4 0 pesaran m h pesaran b - Dec 10 2022

web the accompanying manual working with microfit 4 contains detailed reviews of the underlying econometric and computing methods 76 tutorial lessons using more than 25 different data sets and original time series data used