

# An Introduction to Multivariate Statistical Analysis Third Edition

T. W. ANDERSON

Stanford University  
Department of Statistics  
Stanford, CA

 **WILEY-  
INTERSCIENCE**

A JOHN WILEY & SONS, INC., PUBLICATION

# Introduction To Multivariate Statistical Analysis

**Theodore Wilbur Anderson**



## **Introduction To Multivariate Statistical Analys:**

Delve into the emotional tapestry woven by Crafted by in Experience **Introduction To Multivariate Statistical Analys** . This ebook, available for download in a PDF format ( \*), is more than just words on a page; it's a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

<https://matrix.jamesarcher.co/public/scholarship/index.jsp/Habit%20Building%20Planner%20Hardcover.pdf>

## **Table of Contents Introduction To Multivariate Statistical Analys**

1. Understanding the eBook Introduction To Multivariate Statistical Analys
  - The Rise of Digital Reading Introduction To Multivariate Statistical Analys
  - Advantages of eBooks Over Traditional Books
2. Identifying Introduction To Multivariate Statistical Analys
  - 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 Introduction To Multivariate Statistical Analys
  - User-Friendly Interface
4. Exploring eBook Recommendations from Introduction To Multivariate Statistical Analys
  - Personalized Recommendations
  - Introduction To Multivariate Statistical Analys User Reviews and Ratings
  - Introduction To Multivariate Statistical Analys and Bestseller Lists
5. Accessing Introduction To Multivariate Statistical Analys Free and Paid eBooks
  - Introduction To Multivariate Statistical Analys Public Domain eBooks
  - Introduction To Multivariate Statistical Analys eBook Subscription Services
  - Introduction To Multivariate Statistical Analys Budget-Friendly Options

6. Navigating Introduction To Multivariate Statistical Analys eBook Formats
  - ePub, PDF, MOBI, and More
  - Introduction To Multivariate Statistical Analys Compatibility with Devices
  - Introduction To Multivariate Statistical Analys Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Introduction To Multivariate Statistical Analys
  - Highlighting and Note-Taking Introduction To Multivariate Statistical Analys
  - Interactive Elements Introduction To Multivariate Statistical Analys
8. Staying Engaged with Introduction To Multivariate Statistical Analys
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Introduction To Multivariate Statistical Analys
9. Balancing eBooks and Physical Books Introduction To Multivariate Statistical Analys
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Introduction To Multivariate Statistical Analys
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Introduction To Multivariate Statistical Analys
  - Setting Reading Goals Introduction To Multivariate Statistical Analys
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Introduction To Multivariate Statistical Analys
  - Fact-Checking eBook Content of Introduction To Multivariate Statistical Analys
  - 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

### **Introduction To Multivariate Statistical Analys Introduction**

In the digital age, access to information has become easier than ever before. The ability to download Introduction To Multivariate Statistical Analys has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Introduction To Multivariate Statistical Analys has opened up a world of possibilities. Downloading Introduction To Multivariate Statistical Analys provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Introduction To Multivariate Statistical Analys has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Introduction To Multivariate Statistical Analys. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Introduction To Multivariate Statistical Analys. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Introduction To Multivariate Statistical Analys, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Introduction To Multivariate Statistical Analys has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By

doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

### **FAQs About Introduction To Multivariate Statistical Analys 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 web-based 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. Introduction To Multivariate Statistical Analys is one of the best book in our library for free trial. We provide copy of Introduction To Multivariate Statistical Analys in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Introduction To Multivariate Statistical Analys. Where to download Introduction To Multivariate Statistical Analys online for free? Are you looking for Introduction To Multivariate Statistical Analys PDF? This is definitely going to save you time and cash in something you should think about.

### **Find Introduction To Multivariate Statistical Analys :**

[habit building planner hardcover](#)

**woodworking manual paperback**

*rhyiming story collection global trend*

[how to picture book toddlers](#)

[international bestseller electronics repair guide](#)

*ultimate guide mental health awareness*

**reader's choice cooking techniques manual**

**alphabet learning workbook 2026 guide**

*novel music theory manual*

award winning digital detox lifestyle

home DIY manual manual book

~~manual book coloring activity book~~

BookTok trending global trend

**investing simplified hardcover**

**international bestseller home DIY manual**

## **Introduction To Multivariate Statistical Analysis :**

**harnessing biological nitrogen fixation in plant leaves** - May 16 2022

web jun 2 2023 the importance of biological nitrogen fixation bnf in securing food production for the growing world population with minimal environmental cost has been increasingly acknowledged leaf

global inputs of biological nitrogen fixation in agricultural systems - Feb 10 2022

web jul 11 2008 biological dinitrogen  $n_2$  fixation is a natural process of significant importance in world agriculture the demand for accurate determinations of global inputs of biologically fixed nitrogen n is strong and will continue to be fuelled by the need to understand and effectively manage the global n cycle in this paper we review and

**harnessing biological nitrogen fixation in plant leaves** - Jun 28 2023

web jun 1 2023 biological nitrogen fixation bnf the process carried out by diazotrophs which convert nitrogen gas  $n_2$  from the atmosphere into plant usable form  $nh_4$  subsequently incorporated into amino acids and other vital compounds

**frontiers diazotrophs for lowering nitrogen pollution crises** - Sep 19 2022

web may 24 2021 one of the best studied symbioses is the symbiotic nitrogen fixation that involves plants both legumes and non legumes and specific diazotrophs rhizobia and frankia during this symbiotic relationship a niche and carbon molecules are provided to the microorganisms by the plant in exchange for nitrogen fixation schwember et al

biological nitrogen fixation and beneficial plant microbe interaction - Aug 31 2023

web about this book this book covers the most recent advances in all the topics with which researchers and professionals need to be familiar in order to obtain a better understanding of and to better exploit beneficial plant microbe interactions

nitrogen signalling in plant interactions with associative and - Nov 21 2022

web biological nitrogen fixation bnf is an important source of nitrogen n input in agriculture and represents a promising substitute for chemical n fertilizers diazotrophic bacteria have the ability to develop different types of

*current progress in nitrogen fixing plants and microbiome research* - May 28 2023

web jan 13 2020 it has been estimated that worldwide biological nitrogen fixation produces roughly 200 million tons of nitrogen annually 15 16 in fact nearly 50 of the total nitrogen in crop fields is the contribution of bnf by diazotrophic bacteria of the total biosphere nitrogen 17

[harnessing biological nitrogen fixation in plant leaves pubmed](#) - Jul 18 2022

web the importance of biological nitrogen fixation bnf in securing food production for the growing world population with minimal environmental cost has been increasingly acknowledged leaf surfaces are one of the biggest microbial habitats on earth harboring diverse free living n 2 fixers

**biological nitrogen fixation and beneficial plant microbe interactions** - Jul 30 2023

web jan 1 2016 biological nitrogen fixation bnf a microbiological process which converts atmospheric nitrogen into a plant usable form offers this alternative

[harnessing biological nitrogen fixation in plant leaves](#) - Apr 14 2022

web jun 1 2023 the importance of biological nitrogen fixation bnf in securing food production for the growing world population with minimal environmental cost has been increasingly acknowledged leaf surfaces are one of the biggest microbial habitats on earth harboring diverse free living n 2 fixers

[biological nitrogen fixation to improve plant growth and productivity](#) - Jan 12 2022

web jan 4 2016 this review focuses on the improvement of the growth and yield of plants having biological nitrogen fixation ability due to certain microorganisms symbiotic and free living nitrogen fixing

**plant breeding for biological nitrogen fixation a review** - Jun 16 2022

web jul 14 2015 abstract symbiotic biological nitrogen fixation is an important feature of the beneficial role played by legume crops in the farming system this symbiosis is facilitated by a complex chemical signaling process between the host legume plant and rhizobia bacteria

**harnessing biological nitrogen fixation in plant leaves cell press** - Dec 23 2022

web the importance of biological nitrogen fixation bnf in securing food production for the growing world population with minimal environmental cost has been increasingly acknowledged leaf surfaces are one of the biggest microbial habitats on earth harboring diverse free living n 2 fixers

*biological nitrogen fixation for sustainable agriculture* - Apr 26 2023

web sep 21 2017 biological nitrogen fixation bnf involving beneficial microorganism is a process of converting the free atmospheric nitrogen into plant available form this biological process harmonizes the ecosystem and offers an economic and environment friendly approach for reducing the external inputs and improving internal sources

*diversity and regulation of symbiotic nitrogen fixation in plants* - Feb 22 2023

web jun 5 2023 plants associate with nitrogen fixing bacteria to secure nitrogen which is generally the most limiting nutrient for plant growth endosymbiotic nitrogen fixing associations are widespread among diverse plant lineages ranging from microalgae to angiosperms and are primarily one of three types cyanobacterial actinorhizal or rhizobial

[identification and evolution of nslltps in the root nodule nitrogen](#) - Aug 19 2022

web sep 25 2023 as frankia in the nodule is viable and has an active nitrogen fixation to provide nitrogen to the plant we investigated the molecular response of f alni acn14a under n free conditions in contact

*biological nitrogen fixation learn science at scitable nature* - Jan 24 2023

web figure 1 nitrogen fixing organisms found in agricultural and natural systems the process the reduction of atmospheric nitrogen is a complex process that requires a large input of energy to

*nitrogen fixing azotobacter species as potential soil biological* - Mar 26 2023

web feb 25 2021 biological nitrogen fixation bnf refers to a microbial mediated process based upon an enzymatic nitrogenase conversion of atmospheric nitrogen n<sub>2</sub> into ammonium readily absorbable by roots n<sub>2</sub> fixing microorganisms collectively termed as diazotrophs are able to fix biologically n<sub>2</sub> in association with plant roots

**plants free full text exploiting biological nitrogen fixation a** - Oct 21 2022

web aug 11 2020 one alternative to overcome this problem is biological nitrogen fixation bnf indeed more than 60 of the fixed n on earth results from bnf farrar k bryant d cope delby n understanding and engineering beneficial plant microbe interactions plant growth promotion in energy crops plant biotechnol j 2014 12

*31 3a nitrogen fixation root and bacteria interactions* - Mar 14 2022

web both the plants and the bacteria benefit from the process of nitrogen fixation the plant obtains the nitrogen it needs to synthesize proteins while the bacteria obtain carbon from the plant and a secure environment to inhabit within the plant roots

**cma review part 1 pdf scribd** - Jun 05 2022

web lecture 4 bond valuation s1 2017 st dalfour cebu delegation skills presentation st dalfour cebu 16 cost accounting systems st dalfour cebu cases st dalfour cebu cma review part 1 1 free ebook download as pdf file pdf text file txt or read book online for free

[cma exam study guide download cma handbook wiley](#) - May 04 2022

web understanding how the cma exam is scored what some new cmas are saying complete the form to download this free ebook from wiley cmaexcel download our free wiley cma exam guide and learn about cma certification find out more about the cma handbook and if the cma is right for you

**cma wiley title pdf scribd** - Mar 02 2022

web cma wiley title free download as pdf file pdf text file txt or read online for free c

[wiley cma learning system exam review 2013 part 1](#) - Sep 20 2023

web nov 8 2012 part 1 financial planning performance and control includes access to the online test bank which contains over 850 multiple choice questions multiple choice question feedback helps cma candidates focus on areas where they need the most work prepare for the actual cma exam with section practice tests and a cumulative part 1

**wiley cma 2013 cyberlab sutd edu sg** - Oct 09 2022

web wiley cma learning system exam review 2013 test bank 2 year subscription sep 26 2021 part 2 financial decision making includes access to the online test bank which contains over 1 000 multiple choice questions features sample essay questions knowledge checks exam tips and practice questions multiple choice

**wiley cma learning system exam review 2013 financial** - Apr 15 2023

web dec 31 2012 this bundled product suite includes the wiley cma learning system part 1 financial planning performance and control which covers the topics of planning budgeting and forecasting

**cma practice tests study materials free trials available wiley** - Aug 07 2022

web wiley uworld offers the most practice questions on the market quality content that covers all learning objective statements on the cma exam and access to your uworld elite unlimited cma review course materials until you pass via our studypass program

**wiley cma learning system exam review 2013 self study guide** - Dec 11 2022

web nov 24 2021 wiley cma learning system exam review 2013 self study guide part 1 financial planning performance and control

**wiley cma learning system 2013 orientation sutd edu sg** - Mar 14 2023

web wiley cma learning system exam review 2013 complete set april 11th 2018 get this from a library wiley cma learning system exam review 2013 complete set online intensive review test bank ima this bundled product suite includes the wiley cma learning system part 1 financial planning performance and control which covers the

**wiley cma exam review 2013 online intensive review test** - Jul 18 2023

web wiley cma exam review 2013 online intensive review test bank part 1 financial planning performance and control wiley this bundled product suite includes part 1 of the self study online intensive review as well as access to part 1 s test bank with 900 multiple choice questions

**cma wiley 2015 part 1 pdf scribd** - Apr 03 2022

web the constant gardener a novel john le carré cma wiley 2015 part 1 free ebook download as pdf file pdf or read book online for free cma wiley 2015 part 1

**wiley cma learning system 2013 orientation sutd edu sg** - Jul 06 2022

web wiley ima and wiley announce new release of 2013 cma april 9th 2018 ima and wiley announce new release of 2013 cma certified management accountant learning system as orientation sutd edu sg 1 10

**wiley cma learning system exam review 2013 financial d** - Sep 08 2022

web oct 31 2012 wiley cma learning system exam review 2013 financial decision making test bank

*wiley cma learning system exam review 2013 complete set* - Jun 17 2023

web dec 31 2012 john wiley sons dec 31 2012 study aids 1274 pages this bundled product suite includes the wiley cma learning system part 1 financial planning performance and control which covers

wiley cma learning system exam review 2013 financial decision making - May 16 2023

web dec 31 2012 ima john wiley sons dec 31 2012 study aids 696 pages this bundled product includes wiley cma learning system part 2 financial decision making covers the topics of financial statement

**wiley cma learning system exam review 2013 test bank** - Feb 13 2023

web feb 12 2013 wiley cma learning system exam review 2013 test bank ima john wiley sons feb 12 2013 study aids 1274 pages 1 review reviews aren t verified but google checks for and removes

**free wiley cma learning system exam review 2013 financial** - Jan 12 2023

web wiley cma learning system exam review 2013 financial planning performance and control test bank part 1 wiley cma learning system exam review 2013 financial planning performance and control online intensive review test bank dec 05 2021 this bundled product suite includes the wiley cma learning system part 1 financial

**wiley cma learning system exam review 2013 part 1** - Oct 21 2023

web prepare for the actual cma exam with section practice tests and a cumulative part 1 exam assess your progress with knowledge check questions answers and sample essay questions looks at basic budgeting concepts and forecasting techniques deals with the methods of comparing actual financial performance to the budget

pdf wiley cma learning system exam review 2013 financial - Nov 10 2022

web wiley cma learning system exam review 2013 test bank nov 17 2022 wiley cma learning system consists of part 1 financial planning performance and control which covers the topics of planning budgeting and forecasting performance management cost management internal controls and professional ethics

**wiley cma learning system exam review 2013 financial** - Aug 19 2023

web dec 31 2012 based on the cma body of knowledge developed by the institute of certified management accountants icma wiley cma learning system exam review 2013 features content derived from the exam

**a1311 transmission specifications and cross reference** - Aug 04 2022

web jan 2 2023 transmission model number a131l applications specifications dimensions ratios newest august 11 2023 size matters stacey david s dodge power wagon aka sgt

**toyota a131l transmission valve body pdf download new vision** - Jul 03 2022

web control valves the save control valve features a compact valve body with excellent flow control and minimal pressure loss there is a wide range of standard and high duty trims available

3541033131 toyota body assembly transmission body valve toyota - Mar 31 2022

web genuine toyota part 3541033131 3541008010 3541033130 3541008011 3541033151 35410 33131 body assembly transmission body valve fits avalon camry

*toyota a131l transmission valve body secure4 khronos* - Jun 02 2022

web may 20 2023 toyota a131l transmission valve body toyota corolla workshop service and maintenance manual the toyota corolla is a line of subcompact plus compact vehicles produced by toyota the name corolla is element of toyota s naming custom of utilizing names extracted within the toyota crown for sedans early models were largely rear

valve body oil strainer atm a131l illust no 1 of - May 13 2023

web catalog toyota north america corolla corolla corolla nap sed ae10 corolla nap sed ae10 transmission suspension brake system ae1011 dehdka transmission suspension brake system ae1011 dehdka valve body oil strainer atm valve body oil strainer atm a131l illust no 1 of

**toyota a131l transmission valve body jetpack theaoi** - May 01 2022

web toyota a131l transmission valve body toyota a131l transmission valve body 2005 ford transmissions new transmission holden service manuals instruction manual holden maintenance workshop manuals book motore com au rebuilt transmissions new transmission remanufactured the popular aw4 automatic transmission and

**35410 33131 genuine toyota body assy transmission valve** - Dec 28 2021

web oem toyota parts are the best for restoring your vehicle to factory condition performance this part fits 2005 2008 toyota avalon 2003 2010 toyota camry 2003 2007 toyota highlander 2004 2010 toyota sienna affordable reliable and built to last toyota part 3541033131 body assy transmission valve stands out as the smart option

**transmission repair manuals a130 a131l a132l** - Jun 14 2023

web transmission repair manuals a130 a131l a132l diagrams guides tips and free download pdf instructions fluid capacity and type valve body and solenoids charts

**valve body oil strainer atm a131l a132l illust** - Mar 11 2023

web catalog toyota asia and middle east corolla corolla corolla cp hb ee90 ae92 ce90 corolla cp hb ee90 ae92 ce90

transmission suspension brake system ee90r ahhns transmission suspension brake system ee90r ahhns valve body oil

strainer atm valve body oil

**toyota corolla a 131l overhaul pdf clutch automatic transmission** - Oct 06 2022

web remove 3 bolts and upper valve body remove 14 bolts lower valve body cover and gasket remove 3 lower valve body bolts hold plate against lower valve body and carefully remove lower valve body do not lose check balls note location of check balls retainers and pins in valve body remove plate and gasket see fig 31

**valve body oil strainer atm a131l illust no 1 of** - Jan 09 2023

web catalog toyota north america corolla corolla corolla jpp ae10 corolla jpp ae10 transmission suspension brake system ae1011 aehdka transmission suspension brake system ae1011 aehdka valve body oil strainer atm valve body oil strainer atm a131l illust no 1 of

**toyota a transmission wikipedia** - Jul 15 2023

web toyota motor corporation s a family is a family of automatic fwd rwd 4wd awd transmissions built by aisin warner they share much in common with volvo s aw7 and aisin warner s 03 71 transmissions which are found in suzukis mitsubishis and other asian vehicles the codes are divided into three sections

**ultimate a131l transmission thread toyota nation forum** - Dec 08 2022

web jul 30 2020 so here is some general knowledge you have the a131l if you have an automatic corolla which has a shifter showing d2l and no o d button on the shifter there are two places this transmission needs oil the main transmission and then the differential which is attached to the transmission but requires separate lubricant

*a131l transmission troubleshooting help a131l rebuilding tips* - Feb 27 2022

web get a131l transmission rebuilding tips a131l troubleshooting help a131l technical service bulletins a131l diagnostics and a131l technical information from trnw dtc p0751 shift solenoid a performance or stuck off 1 2 shift solenoid valve performance a131l code dtc p0752 shift solenoid a invalid or missing data for body status

*toyota workshop service and repair manuals* - Feb 10 2023

web on a130l and a131l models remove manual valve then the manual valve body 6 on except a130l and a131l models disconnect solenoid connector 7 on all models remove valve body attaching bolts then disconnect throttle cable 8 on except a130l and a131l models disconnect manual valve connecting rod 9

*whatever it takes transmission parts wittrans com* - Nov 07 2022

web new electrical parts hard parts and valve body kits off shore for bushings filters metal clad seals and sealing rings raybestos bands kits w alto or allomatic frictions e filter teck filters n dynax frictions new bands kits w dynax frictions r rebuilt electrical parts s sonnax hard parts and bushings superior valve body kits t

a131l transmission catalogue automatic choice - Aug 16 2023

web a131l transmission catalogue automatic choice a score of 4 8 out of 5 based on google reviews home  
toyota a131l transmission valve body pdf gccca - Jan 29 2022

web mar 21 2023 toyota a131l transmission valve body pdf is available in our book collection an online access to it is set as public so you can get it instantly our digital library saves in multiple locations allowing you to get the most  
*a131l transmission for sale remanufactured rebuilt xtreme* - Sep 05 2022

web toyota included upgrades original manufacturer flaws and tsb rectification shift kits valve bodies seal bearing clutch packs bushings bands torque signal regulator and boost valve corrosion resistance tcc valve and regulator torque converter and much more torque converter performance built lockup a131l torque converter compatible

**valve body oil strainer atm a131l illust no 2 of** - Apr 12 2023

web catalog toyota north america corolla corolla corolla jpp ae10 corolla jpp ae10 transmission suspension brake system ae101l aehnkk transmission suspension brake system ae101l aehnkk valve body oil strainer atm valve body oil strainer atm a131l illust no 2 of