Computer Applications In Economics

First Published in 1988. Routledge is an imprint of Taylor & Francis, an informa company.

Delivers a comprehensive textbook for a single-semester course in engineering economics/engineering economy for undergraduate engineering students.

Some recent developments in the mathematics of optimization, including the concepts of invexity and quasimax, have not yet been applied to models of economic growth, and to finance and investment. Their applications to these areas are shown in this book.

It is very rightly said that if we teach today as we taught yesterday, then we rob our children of tomorrow. With this vision, CISCE has yet again updated and released its curriculum for the upcoming Academic Year. With all the refreshing changes and updates, the way ahead looks exciting for students and teachers alike! We at Oswaal Books, are also extremely upbeat about the recent changes. We have made every possible effort to incorporate all these changes in our books for the coming Academic Year. Questions incorporated in this book follow the latest syllabus, pattern and marking guidelines of the Council to guide the

candidates to answer with precision. This will help students to get familiar with the examination techniques. These Question banks are available for all important subjects like Maths, English, Hindi, Physics, Chemistry, Biology, History & Civics, Geography, Commercial Studies, Commercial Applications, Economic applications & Computer Applications & Economics. We at Oswaal Books never try to teach our readers. We on the other hand, provide them the conditions in which they can learn and train their mind to think! After all Education is what remains after one has forgotten what one learned in school. Some of the key benefits of studying from Oswaal Solved Papers are: • Strictly based on the latest CISCE Curriculum issued for Academic Year 2020-2021 • Previous Years' Board Questions for in depth study • Handwritten Toppers' Answers • Answering Tips and Examiner's Comments • Answers strictly as per the ICSE Marking Scheme • All Typology of Questions included for exam-oriented study • Revision Notes for comprehensive study • 'Mind Maps' in each chapter for making learning simple. Suggested videos at the end of each chapter for a Digital Learning Experience IMPORTANT FEATURES OF THE BOOK: Self-Study Mode ICSE Chapter wise/Topic wise 10 years' Solved papers ICSE Previous 10 years' Examination Questions to facilitate focused study Exam Preparatory Material

Latest Solved paper with Handwritten Topper's Answers Answers from ICSE Marking Scheme -2018 with detailed explanations as per the word limit for perfection in answering final exam questions Board Examiner comments and answering tips for clearer thinking. Suggestions for Students to score full marks in Exams Topics and concepts found difficult by students All-in -one Chapter wise & Topic wise introduction to enable quick revision Mind Maps for improved learning WHAT THIS BOOK HAS FOR YOU: Latest ICSE Curriculum Strictly based on the latest CISCE curriculum and examination specifications for Academic Year 2020-2021, for class 10 Latest Typology OF Questions Latest typology of questions are included as per the latest design of the question paper issued by CISCE Hybrid Learning Suggested videos for digital learning About Oswaal Books: We feel extremely happy to announce that Oswaal Books has been awarded as 'The Most Promising Brand 2019' by The Economic Times. This has been possible only because of your trust and love for us. Oswaal Books strongly believes in Making Learning Simple. To ensure student-friendly, yet highly exam-oriented content, we take due care in developing our Panel of Experts. Accomplished teachers with 100+ years of combined experience, Subject Matter Experts with unmatchable subject knowledge, dynamic educationists, professionals with a keen interest in

education and topper students from the length and breadth of the country, together form the coveted Oswaal Panel of Experts. It is with their expertise, guidance and a keen eye for details that the content in each offering meets the need of the students. No wonder, Oswaal Books holds an enviable place in every student's heart!

As we enter the 21st century, most students are familiar with microcomputers. They are adept in visually-oriented playing and learning, as evidenced by prevalent video games, music videos, and DVD movies. This book appeals to the modern day undergraduate and graduate students by using microcomputers, through innovative uses of spreadsheets and built-in spreadsheets equations and formulae. This microcomputer skill-intensive book covers major topics in both economic analysis and business analysis. Students will learn how to build complex spreadsheet layouts and perform high-level calculations and analysis intuitively in a non-threatening environment. To encourage students' active learning and critical thinking, they will be given hands-on practice by creating tables and graphs presented in the text and homework, and by changing the parameters to find the effects of the change instantly. At the same time, by acquainting themselves with the popular spreadsheet program, they will acquire more advanced job skills directly. The Most Authentic Source Of Information On

Higher Education In India The Handbook Of
Universities, Deemed Universities, Colleges, Private
Universities And Prominent Educational & Research
Institutions Provides Much Needed Information On
Degree And Diploma Awarding Universities And
Institutions Of National Importance That Impart
General, Technical And Professional Education In
India. Although Another Directory Of Similar Nature
Is Available In The Market, The Distinct Feature Of
The Present Handbook, That Makes It One Of Its
Kind, Is That It Also Includes Entries And Details Of
The Private Universities Functioning Across The
Country.In This Handbook, The Universities Have
Been Listed In An Alphabetical Order. This
Facilitates Easy Location Of Their Names. In
Addition To The Brief History Of These Universities,
The Present Handbook Provides The Names Of
Their Vice-Chancellor, Professors And Readers As
Well As Their Faculties And Departments. It Also
Acquaints The Readers With The Various Courses
Of Studies Offered By Each University.It Is Hoped
That The Handbook In Its Present Form, Will Prove
Immensely Helpful To The Aspiring Students In
Choosing The Best Educational Institution For Their
Career Enhancement. In Addition, It Will Also Prove
Very Useful For The Publishers In Mailing Their
Publicity Materials. Even The Suppliers Of
Equipment And Services Required By These
Educational Institutions Will Find It Highly Valuable.

Students in animal science, industry personnel involved in the feeding of animals, and professionals working for feed-mixing companies will all benefit from this current, comprehensive package - a text on the economic and nutritional aspects of feed formulations that optimize nutritional content while minimizing costs. Animal Feed Formulation applies a well-tested, easy-to-use computer program called UFFDA that illustrates the principles of least-cost food formulation. Developed in a cooperative effort by the Departments of Poultry Science and Agricultural and Applied Economics at the University of Georgia, UFFDA is menu-driven software that has the editing capabilities of a spreadsheet program for altering the ingredient and nutrient matrix. The book begins by solving a simple ration-balancing problem, providing step-by-step instructions with the computer program that any user - even one without computer training - can readily follow. It then discusses specific feed formulation techniques in terms of their practical applications and economic implications. Included are such techniques as sensitivity analysis, parametric cost and nutrient ranging, optimum-density formulation, multi-blending, and risk analysis, among others. Applying these and other techniques using the special features of UFFDA, users can select the proper ingredients, adjust proportions among nutrients, determine which feeds might require scarce ingredients, consider the risks involved in

dealing with ingredients with below-average compositions, and ultimately determine the costs and nutritional content of various feed formulations. The program can be applied to determining feed formulations for any animal, including sheep, beef and dairy cattle, swine, turkeys, broilers, catfish, and horses. Practitioners who are growing animals will be able to maximize the nutritional content of their feed while keeping costs down. Professionals working in feed-mixing companies will be able to maximize profits by offering products composed of low-cost ingredients that are also of good nutritional value. Students will gain a firm background in nutritional and economic concepts, insight into how to apply them to practical problems, and an understanding of the way good nutrition and good value can be achieved by applying the latest computer technology.

This open access book covers the use of data science, including advanced machine learning, big data analytics, Semantic Web technologies, natural language processing, social media analysis, time series analysis, among others, for applications in economics and finance. In addition, it shows some successful applications of advanced data science solutions used to extract new knowledge from data in order to improve economic forecasting models. The book starts with an introduction on the use of data science technologies in economics and finance

and is followed by thirteen chapters showing success stories of the application of specific data science methodologies, touching on particular topics related to novel big data sources and technologies for economic analysis (e.g. social media and news); big data models leveraging on supervised/unsupervised (deep) machine learning; natural language processing to build economic and financial indicators; and forecasting and nowcasting of economic variables through time series analysis. This book is relevant to all stakeholders involved in digital and data-intensive research in economics and finance, helping them to understand the main opportunities and challenges, become familiar with the latest methodological findings, and learn how to use and evaluate the performances of novel tools and frameworks. It primarily targets data scientists and business analysts exploiting data science technologies, and it will also be a useful resource to research students in disciplines and courses related to these topics. Overall, readers will learn modern and effective data science solutions to create tangible innovations for economic and financial applications.

Regression analysis is arguably the single most powerful and widely applicable tool in any effective examination of common business issues. Every day, decision-makers face problems that require constructive actions with significant consequences,

and regression procedures can prove a meaningful and valuable asset in the decision-making process. This text is designed to help students achieve a full understanding of regression and the many ways it can be used. Taking into consideration current statistical technology, Introductory Regression Analysis focuses on the use and interpretation of software, while also demonstrating the logic, reasoning, and calculations that lie behind any statistical analysis. Furthermore, the text emphasizes the application of regression tools to real-life business concerns. This multilayered, yet pragmatic approach fully equips students to derive the benefit and meaning of a regression analysis. This text is designed to serve in a second undergraduate course in statistics, focusing on regression and its component features. The material presented in this text will build from a foundation of the principles of data analysis. Although previous exposure to statistical concepts would prove helpful, all the material needed for an examination of regression analysis is presented here in a clear and complete form.

Digital computers have been used more and more to control different industrial processes during the last decade. As of today, many sy stems are designed to include a process control computer as a vital part. The use of computers has created a need for sophisticated me thods for the operation and

supervision of complex industrial proces ses. To summarize the state of the art from the practical as well as from the theoretical point of view, the 4th IFACIIFIP International Conference on "Digital Computer Applications to Process Control" will be held at Zurich from March 19 to 22, 1974. The first two vo lumes of the proceedings contain the accepted papers submitted to the conference mentioned above. The papers are arranged according to the topics of the conference. A third volume will include the six follow ing survey papers: 1. Digital Control Algorithms Prof. A. P. Sage, Dallas Texas I USA 2. Interface Problems for Process Control Prof. T. J. Williams, Lafayette Indiana I USA 3. Software for Process Computers Dr. J. Gertler, Budapest I Hungary Dr. J. Sedlak, Prague I CSSR 4. Digital Computer Applications in Metallurgical Processes Mr. W. E. Miller, Salem I USA Mr. W. G. Wright, Schenectady I USA 5. Digital Computer Applications in Power Systems Mr. D. Ernst, Erlangen / FRG 6. Digital Computer Applications in Chemical and Oil Industries Dr. H.

The proceedings of the Second US-Italy Seminar on Variable Structure Systems is published in this volume. Like the first seminar, its conception evolved from common research interests on bilinear systems at the Istituto di Automatica of Rome University and at the Electrical and Computer Engineering Department of Oregon State University. Again, the seminar was

focused on variable structure systems in general. In this case, however, emphasis is given to applications in biology and economics along with theoretical investi gations which are so necessary to establish a unified theory and to motivate further developments in these applications of social significance. By bringing together the talents of social and biological scientists with those of engineers and mathematicians from throughout Italy and the United States, the seminar was intended to yield a cross-pollination of significant results and a base for more meaningful future research. The editors are encouraged by the progress, with which they hope the reader will agree, is made in this direction. No pretense is made, however, that completely satisfactory integration of theore tical results and applications has been accomplished at this time. Among the more important conclusions which have resulted from this seminar are that bilinear and more general variable structure models arise in a natural manner from basic principles for certain biological and economic processes. Software legend Capers Jones reveals the tight links between software quality, ROI, and TCO, and help you optimize all three • •Strong empirical evidence that high quality generates strongly positive ROI and reduced TCO. •Practical ways to prevent defects, and remove them in pre-test, test, and postrelease. •Easy checklists for assessing and improving practice, plus insights into the costs/benefits of intervention. •By renowned software consultant Capers Jones. In this book, world-renowned software management expert Capers Jones and software quality guru Jitendra Subramanyam help

development leaders and practitioners quantify and optimize the economic impact of quality throughout the software lifecycle - and then choose the highest value interventions to improve it. The authors introduce powerful empirical and field data on the ability of inspection, static analysis, and test methods to reduce up to 95% of defects, and discuss the business value of improvements of this magnitude. The Economics of Software Quality is based on proven best quality practices in IT departments and at world-leading integrators, embedded software companies, and systems software groups. Jones and Curtis bring together crucial new information on: • •Identifying and fixing the root causes of short- and long-term software cost inefficiencies. •Predicting and measuring software defects and their quality impacts. •Assessing current practices and identifying the best interventions. •Calculating the ROI of quality during development and maintenance. •Comparing and choosing methods of defect prevention. •Selecting methods of defect removal, such as inspections and static analysis. •Understanding and evaluating more than 20 kinds of software testing. •Best practices for postrelease defect reporting and repair. •Recognizing 'hazardous' metrics and their problems

This report provides an overview of the experience of various economic developers attempting to use computers. It also examines some case studies. Includes articles in topic areas such as autonomic computing, operating system architectures, and open source software technologies and applications.

Covering detailed discussion of fundamental concepts of economics, the textbook commences with comprehensive explanation of theory of consumer behavior, utility maximization and optimal choice, profit function, cost minimization and cost function. The textbook covers methods including present worth method, future worth method, annual worth method, internal rate of return method, explicit re-investment rate of return method and payout method useful for studying economic studies. A chapter on value engineering discusses important topics such as function analysis systems techniques, the value index, value measurement techniques, innovative phase and constraints analysis in depth. It facilitates the understanding of the concepts through illustrations and solved problems. This text is the ideal resource for Indian undergraduate engineering students in the fields of mechanical engineering, computer science and engineering and electronics engineering for a course on engineering economics/engineering economy. Simulation has become a tool difficult to substitute in many scientific areas like manufacturing, medicine, telecommunications, games, etc. Finance is one of such areas where simulation is a commonly used tool; for example, we can find Monte Carlo simulation in many financial applications like market risk analysis, portfolio optimization, credit risk related applications, etc. Simulation in Computational Finance and Economics: Tools and Emerging Applications presents a thorough collection of works, covering several rich and highly productive areas of research including Risk

Management, Agent-Based Simulation, and Payment Methods and Systems, topics that have found new motivations after the strong recession experienced in the last few years. Despite the fact that simulation is widely accepted as a prominent tool, dealing with a simulation-based project requires specific management abilities of the researchers. Economic researchers will find an excellent reference to introduce them to the computational simulation models. The works presented in this book can be used as an inspiration for economic researchers interested in creating their own computational models in their respective fields.

A complete course in statistics for students of economics and business, this work includes computer applications relevant to the subject, using standard software packages such as SPSS and Minitab. These are included to complement and illustrate the development of the theoretical material.

"5 solved Question papers and 5 self-assessments papers and 5 self-assessment papers with hints covering important concepts from an examination perspective. All typologies of questions specified by CISCE included for better examination success . On tips notes for quick revision . Answering tips for better understanding of the concepts. Mind maps to unlock the imagination and come up with new ideas. Examiner comments for clearer thinking."

"Exam targeted, 5 Solved & 5 Self-Assessment papers with Hints Exam success with all CISCE-specified typologies of questions Perfect answers with Board Marking Scheme and specified word limit Avoid mistakes

with Commonly made errors Polish concepts with `Answering Tips' Learn more with `Mind Maps' Quick Revision with QR Codes on mobiles/tablets"

"Soft Computing and its Applications in Business and Economics," or SC-BE for short, is a work whose importance is hard to exaggerate. Authored by leading contributors to soft computing and its applications, SC-BE is a sequel to an earlier book by Professors R. A. Aliev and R. R. Aliev, "Soft Computing and Its Applications," World Scientific, 200l. SC-BE is a self-contained exposition of the foundations of soft computing, and presents a vast compendium of its applications to business, finance, decision analysis and economics. One cannot but be greatly impressed by the wide variety of applications - applications ranging from use of fuzzy logic in transportation and health case systems, to use of a neuro-fuzzy approach to modeling of credit risk in trading, and application of soft computing to e-commerce. To view the contents of SC-BE in a clearer perspective, a bit of history is in order. In science, as in other realms of human activity, there is a tendency to be nationalistic - to commit oneself to a particular methodology and relegate to a position of inferiority or irrelevance all alternative methodologies. As we move further into the age of machine intelligence and automated reasoning, we run into more and more problems which do not lend themselves to solution through the use of our favorite methodology.

A unique, holistic approach covering all functions and phases of pharmaceutical research and development While there are a number of texts dedicated to individual

aspects of pharmaceutical research and development, this unique contributed work takes a holistic and integrative approach to the use of computers in all phases of drug discovery, development, and marketing. It explains how applications are used at various stages, including bioinformatics, data mining, predicting human response to drugs, and high-throughput screening. By providing a comprehensive view, the book offers readers a unique framework and systems perspective from which they can devise strategies to thoroughly exploit the use of computers in their organizations during all phases of the discovery and development process. Chapters are organized into the following sections: * Computers in pharmaceutical research and development: a general overview * Understanding diseases: mining complex systems for knowledge * Scientific information handling and enhancing productivity * Computers in drug discovery * Computers in preclinical development * Computers in development decision making, economics, and market analysis * Computers in clinical development * Future applications and future development Each chapter is written by one or more leading experts in the field and carefully edited to ensure a consistent structure and approach throughout the book. Figures are used extensively to illustrate complex concepts and multifaceted processes. References are provided in each chapter to enable readers to continue investigating a particular topic in depth. Finally, tables of software resources are provided in many of the chapters. This is essential reading for IT professionals and scientists in the pharmaceutical industry as well as researchers

involved in informatics and ADMET, drug discovery, and technology development. The book's cross-functional, all-phases approach provides a unique opportunity for a holistic analysis and assessment of computer applications in pharmaceutics.

Some of the Benefits of Practicing from Oswaal Worksheets are • Oswaal Worksheets aim at providing comprehensive practice material for every chapter to ensure that every concept is revised in totality. • These are prepared by experienced teachers who have translated their expertise into making these worksheets a wholesome study package. • Every worksheet contains a mix of questions, for which the maximum marks and time are mentioned to facilitate exam oriented preparation. • These strictly follow the ICSE Curriculum • They are arranged Chapter-wise with ample space for writing answers • Previous Years' Board Questions are included • 'Answering Tips' and 'Examiner Comments' for exam oriented study Chapter-wise Presentation • Oswaal ICSE Worksheets aim at providing comprehensive practice material Chapter-wise to ensure that every concept is revised in totality. Exam Preparatory Material • Previous Years' Board Questions & Latest Board Solved paper are included Ample Space for Writing Answers • Each worksheet has a blend of questions with ample space for writing answers, thereby enabling thorough practice Latest ICSE Curriculum • Strictly based on the latest CISCE curriculum and examination specifications for Academic Year 2020-2021, for class 10 Latest Typology OF Questions • Latest typology of questions are included as per the

latest design of the question paper issued by CISCE Oswaal Exam Tools • 'Answering Tips' and 'Examiner Comments' for exam oriented study