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AN INTRODUCTION TO MATHEMATICAL TAXONOMY PARTITIONAL CLUSTERING VIA NONSMOOTH OPTIMIZATION XML DATA MINING: MODELS, METHODS, AND APPLICATIONS FINITELY GENERATED ABELIAN GROUPS AND SIMILARITY OF MATRICES OVER A FIELD MINING THE WEB WEB INFORMATION RETRIEVAL QUANTITATIVE SEMANTICS AND SOFT COMPUTING METHODS FOR THE WEB: PERSPECTIVES AND APPLICATIONS THE THEORY OF STRAINS IN GIRDERS AND SIMILAR STRUCTURES WITH OBSERVATIONS ON THE APPLICATION OF THEORY TO PRACTICE AND TABLES OF THE STRENGTH AND OTHER PROPERTIES OF MATERIALS WHAT DETERMINES AN ALGEBRAIC VARIETY? CHEMOMETRICS FOR PATTERN RECOGNITION CONTROLS ON STRATABOUND COPPER MINERALIZATION AT KLEIN AUB MINE AND SIMILAR DEPOSITS WITHIN THE KALAHARI COPPERBELT OF SOUTH WEST AFRICA/NAMIBIA AND BOTSWANA DRUG REPURPOSING MULTIVARIATE STATISTICAL METHODS METHODS FOR EUCLIDEAN GEOMETRY INTRODUCTION TO COMPUTATIONAL PROTEOMICS ANALYTICAL SIMILARITY ASSESSMENT IN BIOSIMILAR PRODUCT DEVELOPMENT SCALING, SELF-SIMILARITY, AND INTERMEDIATE ASYMPTOTICS SELF-SIMILAR AND SELF-AFFINE SETS AND MEASURES CHEMICAL SIGNALLING IN THE BASAL GANGLIA THE DISCIPLINE OF ORGANIZING: INFORMATICS EDITION BACTERIAL SYSTEMATICS STUDIES IN LEGAL LOGIC AN EXPERIMENTAL STUDY OF FRACTAL AND MULTIFRACTAL SCALE SIMILARITY IN TURBULENT FLOWS DATA SCIENTIST DIPLOMA (MASTER'S LEVEL) - CITY OF LONDON COLLEGE OF ECONOMICS - 6 MONTHS - 100% ONLINE / SELF-PACED THE THEORY OF STRESSES IN GIRDERS AND SIMILAR STRUCTURES RIDGES IN IMAGE AND DATA ANALYSIS MULTIDIMENSIONAL SIMILARITY STRUCTURE ANALYSIS THE THEORY OF STRAINS IN GIRDERS AND SIMILAR STRUCTURES ... WITH ... ILLUSTRATIONS ENGRAVED IN WOOD BY OLDHAM MULTIVARIATE STATISTICAL METHODS PERSPECTIVES ON CONTENT-BASED MULTIMEDIA SYSTEMS FORT DERUSSY DEVELOPMENT OF ARMED FORCES RECREATION CENTER, WAIKIKI PHARMACOLOGY AND PHARMACOTHERAPEUTICS ANALYSIS ON FRACTALS CONCEPTUAL SPACES READINGS IN FUZZY SETS FOR INTELLIGENT SYSTEMS MATRIX COMPUTATIONS AND SEMISEPARABLE MATRICES CALCIUM CHANNEL PHARMACOLOGY LINEAR SYSTEMS AND CONTROL HANDBOOK OF REWARD AND DECISION MAKING FUNDAMENTALS OF MOMENTUM, HEAT, AND MASS TRANSFER

AN INTRODUCTION TO MATHEMATICAL TAXONOMY 2012-04-30

STUDENTS OF MATHEMATICAL BIOLOGY DISCOVER MODERN METHODS OF TAXONOMY WITH THIS TEXT WHICH INTRODUCES TAXONOMIC CHARACTERS THE MEASUREMENT OF SIMILARITY AND THE ANALYSIS OF PRINCIPAL COMPONENTS OTHER TOPICS INCLUDE MULTIDIMENSIONAL SCALING CLUSTER ANALYSIS IDENTIFICATION AND ASSIGNMENT TECHNIQUES MORE A FAMILIARITY WITH MATRIX ALGEBRA AND ELEMENTARY STATISTICS ARE THE SOLE PREREQUISITES

PARTITIONAL CLUSTERING VIA NONSMOOTH OPTIMIZATION 2020-02-24

THIS BOOK DESCRIBES OPTIMIZATION MODELS OF CLUSTERING PROBLEMS AND CLUSTERING ALGORITHMS BASED ON OPTIMIZATION TECHNIQUES INCLUDING THEIR IMPLEMENTATION EVALUATION AND APPLICATIONS THE BOOK GIVES A COMPREHENSIVE AND DETAILED DESCRIPTION OF OPTIMIZATION APPROACHES FOR SOLVING CLUSTERING PROBLEMS THE AUTHORS EMPHASIS ON CLUSTERING ALGORITHMS IS BASED ON DETERMINISTIC METHODS OF OPTIMIZATION THE BOOK ALSO INCLUDES RESULTS ON REAL TIME CLUSTERING ALGORITHMS BASED ON OPTIMIZATION TECHNIQUES ADDRESSES IMPLEMENTATION ISSUES OF THESE CLUSTERING ALGORITHMS AND DISCUSSES NEW CHALLENGES ARISING FROM BIG DATA THE BOOK IS IDEAL FOR ANYONE TEACHING OR LEARNING CLUSTERING ALGORITHMS IT PROVIDES AN ACCESSIBLE INTRODUCTION TO THE FIELD AND IT IS WELL SUITED FOR PRACTITIONERS ALREADY FAMILIAR WITH THE BASICS OF OPTIMIZATION

XML DATA MINING: MODELS, METHODS, AND APPLICATIONS 2011-11-30

THE WIDESPREAD USE OF XML IN BUSINESS AND SCIENTIFIC DATABASES HAS PROMPTED THE DEVELOPMENT OF METHODOLOGIES TECHNIQUES AND SYSTEMS FOR EFFECTIVELY MANAGING AND ANALYZING XML DATA THIS HAS INCREASINGLY ATTRACTED THE ATTENTION OF DIFFERENT RESEARCH COMMUNITIES INCLUDING DATABASE INFORMATION RETRIEVAL PATTERN RECOGNITION AND MACHINE LEARNING FROM WHICH SEVERAL PROPOSALS HAVE BEEN OFFERED TO ADDRESS PROBLEMS IN XML DATA MANAGEMENT AND KNOWLEDGE DISCOVERY XML DATA MINING MODELS METHODS AND APPLICATIONS AIMS TO COLLECT KNOWLEDGE FROM EXPERTS OF DATABASE INFORMATION RETRIEVAL MACHINE LEARNING AND KNOWLEDGE MANAGEMENT COMMUNITIES IN DEVELOPING MODELS METHODS AND SYSTEMS FOR XML DATA MINING THIS BOOK ADDRESSES KEY ISSUES AND CHALLENGES IN XML DATA MINING OFFERING INSIGHTS INTO THE VARIOUS EXISTING SOLUTIONS AND BEST PRACTICES FOR MODELING PROCESSING ANALYZING XML DATA AND FOR EVALUATING PERFORMANCE OF XML DATA MINING ALGORITHMS AND SYSTEMS

FINITELY GENERATED ABELIAN GROUPS AND SIMILARITY OF MATRICES OVER A FIELD 2012-01-25

AT FIRST SIGHT FINITELY GENERATED ABELIAN GROUPS AND CANONICAL FORMS OF MATRICES APPEAR TO HAVE LITTLE IN COMMON HOWEVER REDUCTION TO SMITH NORMAL FORM NAMED AFTER ITS ORIGINATOR H J S SMITH IN 1861 IS A MATRIX VERSION OF THE EUCLIDEAN ALGORITHM AND IS EXACTLY WHAT THE THEORY REQUIRES IN BOTH CASES STARTING WITH MATRICES OVER THE INTEGERS PART 1 OF THIS BOOK PROVIDES A MEASURED INTRODUCTION TO SUCH GROUPS TWO FINITELY GENERATED ABELIAN GROUPS ARE ISOMORPHIC IF AND ONLY IF THEIR INVARIANT FACTOR SEQUENCES ARE IDENTICAL THE ANALOGOUS THEORY OF MATRIX SIMILARITY OVER A FIELD IS THEN DEVELOPED IN PART 2 STARTING WITH MATRICES HAVING POLYNOMIAL ENTRIES TWO MATRICES OVER A FIELD ARE SIMILAR IF AND ONLY IF THEIR RATIONAL CANONICAL FORMS ARE EQUAL UNDER CERTAIN CONDITIONS EACH MATRIX IS SIMILAR TO A DIAGONAL OR NEARLY DIAGONAL MATRIX NAMELY ITS JORDAN FORM THE READER IS ASSUMED TO BE FAMILIAR WITH THE ELEMENTARY PROPERTIES OF RINGS AND FIELDS ALSO A KNOWLEDGE OF ABSTRACT LINEAR ALGEBRA INCLUDING VECTOR SPACES LINEAR MAPPINGS MATRICES BASES AND DIMENSION IS ESSENTIAL ALTHOUGH MUCH OF THE THEORY IS COVERED IN THE TEXT BUT FROM A MORE GENERAL STANDPOINT THE ROLE OF VECTOR SPACES IS WIDENED TO MODULES OVER COMMUTATIVE RINGS BASED ON A LECTURE COURSE TAUGHT BY THE AUTHOR FOR NEARLY THIRTY YEARS THE BOOK EMPHASISES ALGORITHMIC TECHNIQUES AND FEATURES NUMEROUS WORKED EXAMPLES AND EXERCISES WITH SOLUTIONS THE EARLY CHAPTERS FORM AN IDEAL SECOND COURSE IN ALGEBRA FOR SECOND AND THIRD YEAR UNDERGRADUATES THE LATER CHAPTERS WHICH COVER CLOSELY RELATED TOPICS E G FIELD EXTENSIONS ENDOMORPHISM RINGS AUTOMORPHISM GROUPS AND VARIANTS OF THE CANONICAL FORMS WILL APPEAL TO MORE ADVANCED STUDENTS THE BOOK IS A BRIDGE BETWEEN LINEAR AND ABSTRACT ALGEBRA

MINING THE WEB 2002-10-16

MINING THE DISCOVERING KNOWLEDGE FROM HYPERTEXT DATA IS THE FIRST BOOK DEVOTED ENTIRELY TO TECHNIQUES FOR PRODUCING KNOWLEDGE FROM THE VAST BODY OF UNSTRUCTURED DATA BUILDING ON AN INITIAL SURVEY OF INFRASTRUCTURAL ISSUES INCLUDING CRAWLING AND INDEXING CHAKRABARTI EXAMINES LOW LEVEL MACHINE LEARNING TECHNIQUES AS THEY RELATE SPECIFICALLY TO THE CHALLENGES OF MINING HE THEN DEVOTES THE FINAL PART OF THE BOOK TO APPLICATIONS THAT UNITE INFRASTRUCTURE AND ANALYSIS TO BRING MACHINE LEARNING TO BEAR ON SYSTEMATICALLY ACQUIRED AND STORED DATA HERE THE FOCUS IS ON RESULTS THE STRENGTHS AND WEAKNESSES OF THESE APPLICATIONS ALONG WITH THEIR POTENTIAL AS FOUNDATIONS FOR FURTHER PROGRESS FROM CHAKRABARTI S WORK PAINSTAKING CRITICAL AND FORWARD LOOKING READERS WILL GAIN THE THEORETICAL AND PRACTICAL UNDERSTANDING THEY NEED TO CONTRIBUTE TO THE MINING EFFORT A COMPREHENSIVE CRITICAL EXPLORATION OF STATISTICS BASED ATTEMPTS TO MAKE SENSE OF MINING DETAILS THE SPECIAL CHALLENGES ASSOCIATED WITH ANALYZING UNSTRUCTURED AND SEMI STRUCTURED DATA LOOKS AT HOW CLASSICAL INFORMATION RETRIEVAL TECHNIQUES HAVE BEEN MODIFIED FOR USE WITH DATA FOCUSES ON TODAY S DOMINANT LEARNING METHODS CLUSTERING AND CLASSIFICATION HYPERLINK ANALYSIS AND SUPERVISED AND SEMI SUPERVISED LEARNING ANALYZES CURRENT APPLICATIONS FOR RESOURCE DISCOVERY AND SOCIAL NETWORK ANALYSIS AN EXCELLENT WAY TO INTRODUCE STUDENTS TO ESPECIALLY VITAL APPLICATIONS OF DATA MINING AND MACHINE LEARNING TECHNOLOGY

WEB INFORMATION RETRIEVAL 2013-08-30

WITH THE PROLIFERATION OF HUGE AMOUNTS OF HETEROGENEOUS DATA ON THE THE IMPORTANCE OF INFORMATION RETRIEVAL IR HAS GROWN CONSIDERABLY OVER THE LAST FEW YEARS BIG PLAYERS IN THE COMPUTER INDUSTRY SUCH AS GOOGLE MICROSOFT AND YAHOO ARE THE PRIMARY CONTRIBUTORS OF TECHNOLOGY FOR FAST ACCESS TO BASED INFORMATION AND SEARCHING CAPABILITIES ARE NOW INTEGRATED INTO MOST INFORMATION SYSTEMS RANGING FROM BUSINESS MANAGEMENT SOFTWARE AND CUSTOMER RELATIONSHIP SYSTEMS TO SOCIAL NETWORKS AND MOBILE PHONE APPLICATIONS CERI AND HIS CO AUTHORS AIM AT TAKING THEIR READERS FROM THE FOUNDATIONS OF MODERN INFORMATION RETRIEVAL TO THE MOST ADVANCED CHALLENGES OF IR TO THIS END THEIR BOOK IS DIVIDED INTO THREE PARTS THE FIRST PART ADDRESSES THE PRINCIPLES OF IR AND PROVIDES A SYSTEMATIC AND COMPACT DESCRIPTION OF BASIC INFORMATION RETRIEVAL TECHNIQUES INCLUDING BINARY VECTOR SPACE AND PROBABILISTIC MODELS AS WELL AS NATURAL LANGUAGE SEARCH PROCESSING BEFORE FOCUSING ON ITS APPLICATION TO THE PART TWO ADDRESSES THE FOUNDATIONAL ASPECTS OF IR BY DISCUSSING THE GENERAL ARCHITECTURE OF SEARCH ENGINES WITH A FOCUS ON THE CRAWLING AND INDEXING PROCESSES DESCRIBING LINK ANALYSIS METHODS SPECIFICALLY PAGE RANK AND HITS ADDRESSING RECOMMENDATION AND DIVERSIFICATION AND FINALLY PRESENTING ADVERTISING IN SEARCH THE MAIN SOURCE OF REVENUES FOR SEARCH ENGINES THE THIRD AND FINAL PART DESCRIBES ADVANCED ASPECTS OF SEARCH EACH CHAPTER PROVIDING A SELF CONTAINED UP TO DATE SURVEY ON CURRENT RESEARCH DIRECTIONS TOPICS IN THIS PART INCLUDE META SEARCH AND MULTI DOMAIN SEARCH SEMANTIC SEARCH SEARCH IN THE CONTEXT OF MULTIMEDIA DATA AND CROWD SEARCH THE BOOK IS IDEALLY SUITED TO COURSES ON INFORMATION RETRIEVAL AS IT COVERS ALL INDEPENDENT FOUNDATIONAL ASPECTS ITS PRESENTATION IS SELF CONTAINED AND DOES NOT REQUIRE PRIOR BACKGROUND KNOWLEDGE IT CAN ALSO BE USED IN THE CONTEXT OF CLASSIC COURSES ON DATA MANAGEMENT ALLOWING THE INSTRUCTOR TO COVER BOTH STRUCTURED AND UNSTRUCTURED DATA IN VARIOUS FORMATS ITS CLASSROOM USE IS FACILITATED BY A SET OF SLIDES WHICH CAN BE DOWNLOADED FROM SEARCH COMPUTING ORG

QUANTITATIVE SEMANTICS AND SOFT COMPUTING METHODS FOR THE WEB: PERSPECTIVES AND APPLICATIONS 2011-10-31

THE INTERNET HAS BEEN ACKNOWLEDGED AS A RECENT TECHNOLOGICAL REVOLUTION DUE TO ITS SIGNIFICANT IMPACT ON SOCIETY AS A WHOLE NEVERTHELESS PRECISELY DUE TO ITS IMPACT LIMITATIONS OF THE CURRENT INTERNET ARE BECOMING APPARENT IN PARTICULAR ITS INABILITY TO AUTOMATICALLY TAKE INTO ACCOUNT THE MEANING OF ONLINE DOCUMENTS SOME PROPOSALS FOR TAKING MEANING INTO ACCOUNT BEGAN TO APPEAR MAINLY THE SO CALLED SEMANTIC WHICH INCLUDES A SET OF TECHNOLOGIES LIKE RDF THAT ARE BASED ON NEW MARKUP LANGUAGES THOUGH THESE TECHNOLOGIES COULD BE TECHNICALLY SOUND PRACTICAL LIMITATIONS SUCH AS THE HIGH TRAINING LEVEL REQUIRED TO CONSTRUCT SEMANTIC PAGES AND THE SMALL PROPORTION OF CURRENT SEMANTIC PAGES MAKE THE SEMATIC MARGINAL TODAY AND ALSO IN THE NEAR FORESEEABLE FUTURE QUANTITATIVE SEMANTICS AND SOFT COMPUTING METHODS FOR THE PERSPECTIVES AND APPLICATIONS WILL PROVIDE RELEVANT THEORETICAL FRAMEWORKS AND THE LATEST EMPIRICAL RESEARCH FINDINGS RELATED TO QUANTITATIVE SOFT COMPUTING AND APPROXIMATE METHODS FOR DEALING WITH INTERNET SEMANTICS THE TARGET AUDIENCE OF THIS BOOK IS COMPOSED OF PROFESSIONALS AND RESEARCHERS WORKING IN THE FIELDS OF INFORMATION AND KNOWLEDGE RELATED TECHNOLOGIES E G INFORMATION SCIENCES AND TECHNOLOGY COMPUTER SCIENCE SCIENCE AND ARTIFICIAL INTELLIGENCE

THE THEORY OF STRAINS IN GIRDERS AND SIMILAR STRUCTURES WITH OBSERVATIONS ON THE APPLICATION OF THEORY TO PRACTICE AND TABLES OF THE STRENGTH AND OTHER PROPERTIES OF MATERIALS 1869

IN THIS MONOGRAPH THE AUTHORS APPROACH A RARELY CONSIDERED QUESTION IN THE FIELD OF ALGEBRAIC GEOMETRY TO WHAT EXTENT IS AN ALGEBRAIC VARIETY X DETERMINED BY THE UNDERLYING ZARISKI TOPOLOGICAL SPACE X BEFORE THIS WORK IT WAS BELIEVED THAT THE ZARISKI TOPOLOGY COULD GIVE ONLY COARSE INFORMATION ABOUT X USING THREE RECONSTRUCTION THEOREMS THE AUTHORS PROVE ASTOUNDINGLY THAT THE VARIETY X IS ENTIRELY DETERMINED BY THE ZARISKI TOPOLOGY WHEN THE DIMENSION IS AT LEAST TWO IT OFFERS BOTH NEW TECHNIQUES AS THIS QUESTION HAD NOT BEEN PREVIOUSLY STUDIED IN DEPTH AND FUTURE PATHS FOR APPLICATION AND INQUIRY

WHAT DETERMINES AN ALGEBRAIC VARIETY? 2023-07-25

OVER THE PAST DECADE PATTERN RECOGNITION HAS BEEN ONE OF THE FASTEST GROWTH POINTS IN CHEMOMETRICS THIS HAS BEEN CATALYSED BY THE INCREASE IN CAPABILITIES OF AUTOMATED INSTRUMENTS SUCH AS LCMS GCMS AND NMR TO NAME A FEW TO OBTAIN LARGE QUANTITIES OF DATA AND IN PARALLEL THE SIGNIFICANT GROWTH IN APPLICATIONS ESPECIALLY IN BIOMEDICAL ANALYTICAL CHEMICAL MEASUREMENTS OF EXTRACTS FROM HUMANS AND ANIMALS TOGETHER WITH THE INCREASED CAPABILITIES OF DESKTOP COMPUTING THE INTERPRETATION OF SUCH MULTIVARIATE DATASETS HAS REQUIRED THE APPLICATION AND DEVELOPMENT OF NEW CHEMOMETRIC TECHNIQUES SUCH AS PATTERN RECOGNITION THE FOCUS OF THIS WORK INCLUDED WITHIN THE TEXT ARE REAL WORLD PATTERN RECOGNITION CASE STUDIES FROM A WIDE VARIETY OF SOURCES INCLUDING BIOLOGY MEDICINE MATERIALS PHARMACEUTICALS FOOD FORENSICS AND ENVIRONMENTAL SCIENCE DISCUSSIONS OF METHODS MANY OF WHICH ARE ALSO COMMON IN BIOLOGY BIOLOGICAL ANALYTICAL CHEMISTRY AND MACHINE LEARNING COMMON TOOLS SUCH AS PARTIAL LEAST SQUARES AND PRINCIPAL COMPONENTS ANALYSIS AS WELL AS THOSE THAT ARE RARELY USED IN CHEMOMETRICS SUCH AS SELF ORGANISING MAPS AND SUPPORT VECTOR MACHINES REPRESENTATION IN FULL COLOUR VALIDATION OF MODELS AND HYPOTHESIS TESTING AND THE UNDERLYING MOTIVATION OF THE METHODS INCLUDING HOW TO AVOID SOME COMMON PITFALLS RELEVANT TO ACTIVE CHEMOMETRICIANS AND ANALYTICAL SCIENTISTS IN INDUSTRY ACADEMIA AND GOVERNMENT ESTABLISHMENTS AS WELL AS THOSE INVOLVED IN APPLYING STATISTICS AND COMPUTATIONAL PATTERN RECOGNITION

CHEMOMETRICS FOR PATTERN RECOGNITION 2009-06-29

DRUG REPURPOSING IS THE DEVELOPMENT OF EXISTING DRUGS FOR NEW USES GIVEN THAT 9 IN 10 DRUGS THAT ENTER DRUG DEVELOPMENT ARE NEVER MARKETED AND THEREFORE REPRESENT WASTED EFFORT IT IS AN ATTRACTIVE AS WELL AS INHERENTLY

MORE EFFICIENT PROCESS THREE REPURPOSED DRUGS CAN BE BROUGHT TO MARKET FOR THE SAME COST AS ONE NEW CHEMICAL ENTITY AND THEY CAN ALSO BE IDENTIFIED MORE QUICKLY AN IMPORTANT BENEFIT FOR PATIENTS WHOSE DISEASES ARE PROGRESSING FASTER THAN THERAPEUTIC INNOVATION BUT REPURPOSING ALSO REQUIRES A FRESH LOOK AT CONFIGURING PHARMACEUTICAL R D CONSIDERING CLINICAL REGULATORY AND PATENT ISSUES MUCH EARLIER THAN WOULD OTHERWISE BE THE CASE A HOLISTIC GEDANKEN EXPERIMENT ALMOST NEEDS TO BE UNDERTAKEN AT THE VERY START OF ANY REPURPOSING DEVELOPMENT IN ADDITION TO NEW WAYS OF THINKING THE DISCOVERY OF REPURPOSING OPPORTUNITIES CAN TAKE ADVANTAGE OF ARTIFICIAL INTELLIGENCE TECHNIQUES TO MATCH THE PERFECT NEW USE FOR AN EXISTING DRUG AND WHILE REPURPOSING OF MEDICINES HAS BEEN IN THE MIND OF EVERY DOCTOR SINCE HYPOCRATES MODERN CLINICAL PRACTICE WILL SIMPLY HAVE TO ADAPT TO NEW REPURPOSING TECHNIQUES IN AN AGE WHERE THE NUMBER OF KNOWN DISEASES IS INCREASING MUCH FASTER THAN THE HEALTHCARE DOLLARS AVAILABLE

CONTROLS ON STRATABOUND COPPER MINERALIZATION AT KLEIN AUB MINE AND SIMILAR DEPOSITS WITHIN THE KALAHARI COPPERBELT OF SOUTH WEST AFRICA/NAMIBIA AND BOTSWANA 1987

MULTIVARIATE METHODS ARE NOW WIDELY USED IN THE QUANTITATIVE SCIENCES AS WELL AS IN STATISTICS BECAUSE OF THE READY AVAILABILITY OF COMPUTER PACKAGES FOR PERFORMING THE CALCULATIONS WHILE ACCESS TO SUITABLE COMPUTER SOFTWARE IS ESSENTIAL TO USING MULTIVARIATE METHODS USING THE SOFTWARE STILL REQUIRES A WORKING KNOWLEDGE OF THESE METHODS AND HOW THEY CAN BE USED MULTIVARIATE STATISTICAL METHODS A PRIMER THIRD EDITION INTRODUCES THESE METHODS AND PROVIDES A GENERAL OVERVIEW OF THE TECHNIQUES WITHOUT OVERWHELMING YOU WITH COMPREHENSIVE DETAILS THIS THOROUGHLY REVISED UPDATED EDITION OF A BEST SELLING INTRODUCTORY TEXT RETAINS THE AUTHOR S TRADEMARK CLEAR CONCISE STYLE BUT INCLUDES A RANGE OF NEW MATERIAL NEW EXERCISES AND SUPPORTING MATERIALS ON THE NEW IN THE THIRD EDITION FULLY UPDATED REFERENCES ADDITIONAL EXAMPLES AND EXERCISES FROM THE SOCIAL AND ENVIRONMENTAL SCIENCES A COMPARISON OF THE VARIOUS STATISTICAL SOFTWARE PACKAGES INCLUDING STATA STATISTICA SAS MINITAB AND GENSTAT PARTICULARLY IN TERMS OF THEIR EASE OF USE BY BEGINNERS IN HIS EFFORTS TO PRODUCE A BOOK THAT IS AS SHORT AS POSSIBLE AND THAT ENABLES YOU TO BEGIN TO USE MULTIVARIATE METHODS IN AN INTELLIGENT MANNER THE AUTHOR HAS PRODUCED A SUCCINCT AND HANDY REFERENCE WITH UPDATED INFORMATION ON MULTIVARIATE ANALYSES NEW EXAMPLES USING THE LATEST SOFTWARE AND UPDATED REFERENCES THIS BOOK PROVIDES A TIMELY INTRODUCTION TO USEFUL TOOLS FOR STATISTICAL ANALYSIS

DRUG REPURPOSING 2022-01-31

EUCLIDEAN PLANE GEOMETRY IS ONE OF THE OLDEST AND MOST BEAUTIFUL TOPICS IN MATHEMATICS INSTEAD OF CAREFULLY BUILDING GEOMETRIES FROM AXIOM SETS THIS BOOK USES A WEALTH OF METHODS TO SOLVE PROBLEMS IN EUCLIDEAN GEOMETRY MANY OF THESE METHODS AROSE WHERE EXISTING TECHNIQUES PROVED INADEQUATE IN SEVERAL CASES THE NEW IDEAS USED IN SOLVING SPECIFIC PROBLEMS LATER DEVELOPED INTO INDEPENDENT AREAS OF MATHEMATICS THIS BOOK IS PRIMARILY A GEOMETRY TEXTBOOK BUT STUDYING GEOMETRY IN THIS WAY WILL ALSO DEVELOP STUDENTS APPRECIATION OF THE SUBJECT AND OF MATHEMATICS AS A WHOLE FOR INSTANCE DESPITE THE FACT THAT THE ANALYTIC METHOD HAS BEEN PART OF MATHEMATICS FOR FOUR CENTURIES IT IS RARELY A TOOL A STUDENT CONSIDERS USING WHEN FACED WITH A GEOMETRY PROBLEM METHODS FOR EUCLIDEAN GEOMETRY EXPLORES THE APPLICATION OF A BROAD RANGE OF MATHEMATICAL TOPICS TO THE SOLUTION OF EUCLIDEAN PROBLEMS

MULTIVARIATE STATISTICAL METHODS 2004-07-06

INTRODUCTION TO COMPUTATIONAL PROTEOMICS INTRODUCES THE FIELD OF COMPUTATIONAL BIOLOGY THROUGH A FOCUSED APPROACH THAT TACKLES THE DIFFERENT STEPS AND PROBLEMS INVOLVED WITH PROTEIN ANALYSIS CLASSIFICATION AND META ORGANIZATION THE BOOK STARTS WITH THE ANALYSIS OF INDIVIDUAL ENTITIES AND WORKS ITS WAY THROUGH THE ANALYSIS OF MORE COMPLEX ENTITIE

METHODS FOR EUCLIDEAN GEOMETRY 2010-12-31

THIS BOOK FOCUSES ON ANALYTICAL SIMILARITY ASSESSMENT IN BIOSIMILAR PRODUCT DEVELOPMENT FOLLOWING THE FDA S RECOMMENDED STEPWISE APPROACH FOR OBTAINING TOTALITY OF THE EVIDENCE FOR APPROVAL OF BIOSIMILAR PRODUCTS IT COVERS CONCEPTS SUCH AS THE TIERED APPROACH FOR ASSESSMENT OF SIMILARITY OF CRITICAL QUALITY ATTRIBUTES IN THE MANUFACTURING PROCESS OF BIOSIMILAR PRODUCTS MODELS METHODS LIKE THE STATISTICAL MODEL FOR CLASSIFICATION OF CRITICAL QUALITY ATTRIBUTES EQUIVALENCE TESTS FOR CRITICAL QUALITY ATTRIBUTES IN TIER 1 AND THE CORRESPONDING SAMPLE SIZE REQUIREMENTS CURRENT ISSUES AND RECENT DEVELOPMENTS IN ANALYTICAL SIMILARITY ASSESSMENT

INTRODUCTION TO COMPUTATIONAL PROTEOMICS 2010-12-09

SCALING LAWS REVEAL THE FUNDAMENTAL PROPERTY OF PHENOMENA NAMELY SELF SIMILARITY REPEATING IN TIME AND OR SPACE WHICH SUBSTANTIALLY SIMPLIFIES THE MATHEMATICAL MODELLING OF THE PHENOMENA THEMSELVES THIS BOOK BEGINS FROM A NON TRADITIONAL EXPOSITION OF DIMENSIONAL ANALYSIS PHYSICAL SIMILARITY THEORY AND GENERAL THEORY OF SCALING PHENOMENA USING CLASSICAL EXAMPLES TO DEMONSTRATE THAT THE ONSET OF SCALING IS NOT UNTIL THE INFLUENCE OF INITIAL AND OR BOUNDARY CONDITIONS HAS DISAPPEARED BUT WHEN THE SYSTEM IS STILL FAR FROM EQUILIBRIUM NUMEROUS EXAMPLES FROM A DIVERSE RANGE OF FIELDS INCLUDING THEORETICAL BIOLOGY FRACTURE MECHANICS ATMOSPHERIC AND OCEANIC PHENOMENA AND FLAME PROPAGATION ARE PRESENTED FOR WHICH THE IDEAS OF SCALING INTERMEDIATE ASYMPTOTICS SELF SIMILARITY AND RENORMALISATION WERE OF DECISIVE VALUE IN MODELLING

ANALYTICAL SIMILARITY ASSESSMENT IN BIOSIMILAR PRODUCT DEVELOPMENT 2018-09-03

ALTHOUGH THERE IS NO PRECISE DEFINITION OF A FRACTAL IT IS USUALLY UNDERSTOOD TO BE A SET WHOSE SMALLER PARTS WHEN MAGNIFIED RESEMBLE THE WHOLE SELF SIMILAR AND SELF AFFINE SETS ARE THOSE FOR WHICH THIS RESEMBLANCE IS PRECISE AND GIVEN BY A CONTRACTING SIMILITUDE OR AFFINE TRANSFORMATION THE PRESENT BOOK IS DEVOTED TO THIS MOST BASIC CLASS OF FRACTAL OBJECTS THE BOOK CONTAINS BOTH INTRODUCTORY MATERIAL FOR BEGINNERS AND MORE ADVANCED TOPICS WHICH CONTINUE TO BE THE FOCUS OF ACTIVE RESEARCH AMONG THE LATTER ARE SELF SIMILAR SETS AND MEASURES WITH OVERLAPS INCLUDING THE MUCH STUDIED INFINITE BERNOULLI CONVOLUTIONS SELF AFFINE SYSTEMS POSE ADDITIONAL CHALLENGES THEIR STUDY IS OFTEN BASED ON ERGODIC THEORY AND DYNAMICAL SYSTEMS METHODS IN THE LAST TWENTY YEARS THERE HAVE BEEN MANY BREAKTHROUGHS IN THESE FIELDS AND OUR AIM IS TO GIVE INTRODUCTION TO SOME OF THEM OFTEN IN THE SIMPLEST NONTRIVIAL CASES THE BOOK IS INTENDED FOR A WIDE AUDIENCE OF MATHEMATICIANS INTERESTED IN FRACTAL GEOMETRY INCLUDING STUDENTS PARTS OF THE BOOK CAN BE USED FOR GRADUATE AND EVEN ADVANCED UNDERGRADUATE COURSES

SCALING, SELF-SIMILARITY, AND INTERMEDIATE ASYMPTOTICS 1996-12-12

DISCUSSES THEMES OF CURRENT INTEREST IN THE BASAL GANGLIA THE WORK PROVIDES TOOLS WITH WHICH TO TACKLE THE REMAINING QUESTIONS AND EXPERIMENTATION ON BASAL GANGLIA SYSTEMS

SELF-SIMILAR AND SELF-AFFINE SETS AND MEASURES 2023-11-16

WE ORGANIZE THINGS WE ORGANIZE INFORMATION INFORMATION ABOUT THINGS AND INFORMATION ABOUT INFORMATION ORGANIZING IS A FUNDAMENTAL ISSUE IN MANY PROFESSIONAL FIELDS BUT THESE FIELDS HAVE ONLY LIMITED AGREEMENT IN HOW THEY APPROACH PROBLEMS OF ORGANIZING AND IN WHAT THEY SEEK AS THEIR SOLUTIONS THE DISCIPLINE OF ORGANIZING SYNTHESIZES INSIGHTS FROM LIBRARY SCIENCE INFORMATION SCIENCE COMPUTER SCIENCE COGNITIVE SCIENCE SYSTEMS ANALYSIS BUSINESS AND OTHER DISCIPLINES TO CREATE AN ORGANIZING SYSTEM FOR UNDERSTANDING ORGANIZING THIS FRAMEWORK IS ROBUST AND FORWARD LOOKING ENABLING EFFECTIVE SHARING OF INSIGHTS AND DESIGN PATTERNS BETWEEN DISCIPLINES THAT WEREN T POSSIBLE BEFORE THE 4TH EDITION OF THIS AWARD WINNING AND WIDELY ADOPTED TEXT ADDS CONTENT TO BRIDGE BETWEEN THE FOUNDATIONS OF ORGANIZING SYSTEMS AND THE NEW STATISTICAL AND COMPUTATIONAL TECHNIQUES OF DATA SCIENCE BECAUSE AT ITS CORE DATA SCIENCE IS ABOUT HOW RESOURCES ARE DESCRIBED AND ORGANIZED THE 4TH EDITION REFRAMES DESCRIPTIVE STATISTICS AS ORGANIZING TECHNIQUES EXPANDS THE TREATMENT OF CLASSIFICATION TO INCLUDE COMPUTATIONAL METHODS AND INCORPORATES MANY NEW EXAMPLES OF DATA DRIVEN RESOURCE SELECTION ORGANIZATION MAINTENANCE AND PERSONALIZATION THE INFORMATICS EDITION CONTAINS ALL THE NEW CONTENT RELATED TO DATA SCIENCE BUT OMITTS THE DISCIPLINE SPECIFIC CONTENT ABOUT LIBRARY SCIENCE MUSEUMS AND DOCUMENT ARCHIVES

CHEMICAL SIGNALLING IN THE BASAL GANGLIA 1993

THIS IS THE FIRST BOOK ON BACTERIAL SYSTEMATICS AT THE UNDERGRADUATE LEVEL THE FIRST PART EXPLAINS WHY BACTERIA ARE CLASSIFIED AND HOW THEY ARE NAMED IT ALSO COVERS THE PRACTICE OF CLASSIFICATION INCLUDING EVOLUTIONARY STUDIES AND IDENTIFICATION THE APPLICATIONS OF THESE METHODS ARE ILLUSTRATED IN THE SECOND PART OF THE BOOK WHICH DESCRIBES PROGRESS IN THE CLASSIFICATION AND IDENTIFICATION OF THE SPIROCHAETES HELICAL AND CURVED BACTERIA GRAM NEGATIVE AEROBIC FACULTATIVE AND STRICTLY ANAEROBIC BACTERIA GRAM POSITIVE COCCI RODS AND ENDOSPORE FORMERS MYCOPLASMAS AND ACTINOMYCETES AND OUTLINES THE IMPORTANCE OF THESE ORGANISMS THE FIRST BOOK ON THIS TOPIC AT UNDERGRADUATE LEVEL INCLUDES EVOLUTIONARY STUDIES AND THE ARCHAEA COVERS THEORY AND PRACTICE OF BACTERIAL CLASSIFICATION AND IDENTIFICATION USER FRIENDLY STYLE AND PROFUSE ILLUSTRATIONS

THE DISCIPLINE OF ORGANIZING: INFORMATICS EDITION 2016-08-05

STUDIES IN LEGAL LOGIC IS A COLLECTION OF NINE INTERRELATED PAPERS ABOUT THE LOGIC EPISTEMOLOGY AND ONTOLOGY OF LAW ALL OF THE PAPERS WERE WRITTEN AFTER THE PUBLICATION OF THE AUTHOR S REASONING WITH RULES AND SUPPLEMENT THE ISSUES ADDRESSED THEREIN SOME OF THE PAPERS ARE NEW OTHERS HAVE BEEN REVISED SUBSTANTIALLY AFTER THE PUBLICATION OF THEIR ORIGINAL VERSIONS THE EMPHASIS IS ON ANALYSIS NOT ON LOGICAL TECHNICALITIES STUDIES IN LEGAL LOGIC CONTAINS CHAPTERS ABOUT THE NATURE OF NORMS THE ROLE OF COHERENCE IN THE LAW THE NATURE OF DEFEASIBILITY THE ROLE OF DIALECTICS IN LAW AND ARTIFICIAL INTELLIGENCE THE STATICS AND DYNAMICS OF THE LAW AND THE CONSISTENCY OF RULES MOREOVER IT CONTAINS A NEW SIMPLIFIED AND YET MORE POWERFUL VERSION OF REASON BASED LOGIC AND EXTENSIVE EXAMPLES OF HOW IT CAN BE USED FOR THE ANALYSIS OF LEGAL REASONING THE EXAMPLES DEAL WITH LEGAL THEORY CONSTRUCTION CASE BASED REASONING AND JUDICIAL PROOF

BACTERIAL SYSTEMATICS 2009-07-06

OVERVIEW THIS DIPLOMA COURSE COVERS ALL ASPECTS YOU NEED TO KNOW TO BECOME A SUCCESSFUL DATA SCIENTIST CONTENT GETTING STARTED WITH DATA SCIENCE DATA ANALYTIC THINKING BUSINESS PROBLEMS AND DATA SCIENCE SOLUTIONS INTRODUCTION TO PREDICTIVE MODELING FROM CORRELATION TO SUPERVISED SEGMENTATION FITTING A MODEL TO DATA OVERFITTING AND ITS AVOIDANCE SIMILARITY NEIGHBORS AND CLUSTERS DECISION ANALYTIC THINKING I WHAT IS A GOOD MODEL VISUALIZING MODEL PERFORMANCE EVIDENCE AND PROBABILITIES REPRESENTING AND MINING TEXT DECISION ANALYTIC THINKING II TOWARD ANALYTICAL ENGINEERING OTHER DATA SCIENCE TASKS AND TECHNIQUES DATA SCIENCE AND BUSINESS STRATEGY

2023-01-30

5/10

THE TROLLEY PROBLEM OR WOULD YOU THROW FAT GUY OFF BRIDGE A
PHILOSOPHICAL CONUNDRUM THOMAS CATHCART

MACHINE LEARNING LEARNING FROM DATA WITH YOUR MACHINE AND MUCH MORE DURATION 6 MONTHS ASSESSMENT THE ASSESSMENT WILL TAKE PLACE ON THE BASIS OF ONE ASSIGNMENT AT THE END OF THE COURSE TELL US WHEN YOU FEEL READY TO TAKE THE EXAM AND WE LL SEND YOU THE ASSIGNMENT QUESTIONS STUDY MATERIAL THE STUDY MATERIAL WILL BE PROVIDED IN SEPARATE FILES BY EMAIL DOWNLOAD LINK

STUDIES IN LEGAL LOGIC *2006-03-30*

THE CONCEPT OF RIDGES HAS APPEARED NUMEROUS TIMES IN THE IMAGE PROCESSING LITERATURE SOMETIMES THE TERM IS USED IN AN INTUITIVE SENSE OTHER TIMES A CONCRETE DEFINITION IS PROVIDED IN ALMOST ALL CASES THE CONCEPT IS USED FOR VERY SPECIFIC APPLICATIONS WHEN ANALYZING IMAGES OR DATA SETS IT IS VERY NATURAL FOR A SCIENTIST TO MEASURE CRITICAL BEHAVIOR BY CONSIDERING MAXIMA OR MINIMA OF THE DATA THESE CRITICAL POINTS ARE RELATIVELY EASY TO COMPUTE NUMERICAL PACKAGES ALWAYS PROVIDE SUPPORT FOR ROOT FINDING OR OPTIMIZATION WHETHER IT BE THROUGH BISECTION NEWTON'S METHOD CONJUGATE GRADIENT METHOD OR OTHER STANDARD METHODS IT HAS NOT BEEN NATURAL FOR SCIENTISTS TO CONSIDER CRITICAL BEHAVIOR IN A HIGHER ORDER SENSE THE CONCEPT OF RIDGE AS A MANIFOLD OF CRITICAL POINTS IS A NATURAL EXTENSION OF THE CONCEPT OF LOCAL MAXIMUM AS AN ISOLATED CRITICAL POINT HOWEVER ALMOST NO ATTENTION HAS BEEN GIVEN TO FORMALIZING THE CONCEPT THERE IS A NEED FOR A FORMAL DEVELOPMENT THERE IS A NEED FOR UNDERSTANDING THE COMPUTATION ISSUES THAT ARISE IN THE IMPLEMENTATIONS THE PURPOSE OF THIS BOOK IS TO ADDRESS BOTH NEEDS BY PROVIDING A FORMAL MATHEMATICAL FOUNDATION AND A COMPUTATIONAL FRAMEWORK FOR RIDGES THE INTENDED AUDIENCE FOR THIS BOOK INCLUDES ANYONE INTERESTED IN EXPLORING THE USEFULNESS OF RIDGES IN DATA ANALYSIS

AN EXPERIMENTAL STUDY OF FRACTAL AND MULTIFRACTAL SCALE SIMILARITY IN TURBULENT FLOWS 1996

MULTIDIMENSIONAL SIMILARITY STRUCTURE ANALYSIS COMPRISES A CLASS OF MODELS THAT REPRESENT SIMILARITY AMONG ENTITIES FOR EXAMPLE VARIABLES ITEMS OBJECTS PERSONS ETC IN MULTIDIMENSIONAL SPACE TO PERMIT ONE TO GRASP MORE EASILY THE INTERRELATIONS AND PATTERNS PRESENT IN THE DATA THE BOOK IS ORIENTED TO BOTH RESEARCHERS WHO HAVE LITTLE OR NO PREVIOUS EXPOSURE TO DATA SCALING AND HAVE NO MORE THAN A HIGH SCHOOL BACKGROUND IN MATHEMATICS AND TO INVESTIGATORS WHO WOULD LIKE TO EXTEND THEIR ANALYSES IN THE DIRECTION OF HYPOTHESIS AND THEORY TESTING OR TO MORE INTIMATELY UNDERSTAND THESE ANALYTIC PROCEDURES THE BOOK IS REPLET WITH EXAMPLES AND ILLUSTRATIONS OF THE VARIOUS TECHNIQUES DRAWN LARGELY BUT NOT RESTRICTIVELY FROM THE SOCIAL SCIENCES WITH A HEAVY EMPHASIS ON THE CONCRETE GEOMETRIC OR SPATIAL ASPECT OF THE DATA REPRESENTATIONS

DATA SCIENTIST DIPLOMA (MASTER'S LEVEL) - CITY OF LONDON COLLEGE OF ECONOMICS - 6 MONTHS - 100% ONLINE / SELF-PACED *1886*

MULTIVARIATE STATISTICAL METHODS A PRIMER PROVIDES AN INTRODUCTORY OVERVIEW OF MULTIVARIATE METHODS WITHOUT GETTING TOO DEEP INTO THE MATHEMATICAL DETAILS THIS FOURTH EDITION IS A REVISED AND UPDATED VERSION OF THIS BESTSELLING INTRODUCTORY TEXTBOOK IT RETAINS THE CLEAR AND CONCISE STYLE OF THE PREVIOUS EDITIONS OF THE BOOK AND FOCUSES ON EXAMPLES FROM BIOLOGICAL AND ENVIRONMENTAL SCIENCES THE MAJOR UPDATE WITH THIS EDITION IS THAT R CODE HAS BEEN INCLUDED FOR EACH OF THE ANALYSES DESCRIBED ALTHOUGH IN PRACTICE ANY STANDARD STATISTICAL PACKAGE CAN BE USED THE ORIGINAL IDEA WITH THIS BOOK STILL APPLIES THIS WAS TO MAKE IT AS SHORT AS POSSIBLE AND ENABLE READERS TO BEGIN USING MULTIVARIATE METHODS IN AN INTELLIGENT MANNER WITH UPDATED INFORMATION ON MULTIVARIATE ANALYSES NEW REFERENCES AND R CODE INCLUDED THIS BOOK CONTINUES TO PROVIDE A TIMELY INTRODUCTION TO USEFUL TOOLS FOR MULTIVARIATE STATISTICAL ANALYSIS

THE THEORY OF STRESSES IN GIRDERS AND SIMILAR STRUCTURES *2012-12-06*

MULTIMEDIA DATA COMPRISING OF IMAGES AUDIO AND VIDEO IS BECOMING INCREASINGLY COMMON THE DECREASING COSTS OF CONSUMER ELECTRONIC DEVICES SUCH AS DIGITAL CAMERAS AND DIGITAL CAMCORDERS ALONG WITH THE EASE OF TRANSPORTATION FACILITATED BY THE INTERNET HAS LEAD TO A PHENOMENAL RISE IN THE AMOUNT OF MULTIMEDIA DATA GENERATED AND DISTRIBUTED GIVEN THAT THIS TREND OF INCREASED USE OF MULTIMEDIA DATA IS LIKELY TO ACCELERATE THERE IS AN URGENT NEED FOR PROVIDING A CLEAR MEANS OF CAPTURING STORING INDEXING RETRIEVING ANALYZING AND SUMMARIZING SUCH DATA CONTENT BASED ACCESS TO MULTIMEDIA DATA IS OF PRIMARY IMPORTANCE SINCE IT IS THE NATURAL WAY BY WHICH HUMAN BEINGS INTERACT WITH SUCH INFORMATION TO FACILITATE THE CONTENT BASED ACCESS OF MULTIMEDIA INFORMATION THE FIRST STEP IS TO DERIVE FEATURE MEASURES FROM THESE DATA SO THAT A FEATURE SPACE REPRESENTATION OF THE DATA CONTENT CAN BE FORMED THIS CAN SUBSEQUENTLY ALLOW FOR MAPPING THE FEATURE SPACE TO THE SYMBOL SPACE SEMANTICS EITHER AUTOMATICALLY OR THROUGH HUMAN INTERVENTION THUS SIGNAL TO SYMBOL MAPPING USEFUL FOR ANY PRACTICAL SYSTEM CAN BE SUCCESSFULLY ACHIEVED PERSPECTIVES ON CONTENT BASED MULTIMEDIA SYSTEMS PROVIDES A COMPREHENSIVE SET OF TECHNIQUES TO TACKLE THESE IMPORTANT ISSUES THIS BOOK OFFERS DETAILED SOLUTIONS TO A WIDE RANGE OF PRACTICAL PROBLEMS IN BUILDING REAL SYSTEMS BY PROVIDING SPECIFICS OF THREE SYSTEMS BUILT BY THE AUTHORS WHILE PROVIDING A SYSTEMS FOCUS IT ALSO EQUIPS THE READER WITH A KEEN UNDERSTANDING OF THE FUNDAMENTAL ISSUES INCLUDING A FORMALISM FOR CONTENT BASED MULTIMEDIA DATABASE SYSTEMS MULTIMEDIA FEATURE EXTRACTION OBJECT BASED TECHNIQUES SIGNATURE BASED TECHNIQUES AND FUZZY RETRIEVAL TECHNIQUES THE PERFORMANCE EVALUATION ISSUES OF PRACTICAL SYSTEMS IS ALSO EXPLAINED THIS BOOK BRINGS TOGETHER ESSENTIAL ELEMENTS OF BUILDING A CONTENT BASED MULTIMEDIA DATABASE SYSTEM IN A WAY THAT MAKES THEM ACCESSIBLE TO PRACTITIONERS IN COMPUTER SCIENCE AND ELECTRICAL ENGINEERING IT CAN ALSO SERVE AS A TEXTBOOK FOR GRADUATE LEVEL COURSES

RIDGES IN IMAGE AND DATA ANALYSIS *2012-12-06*

THIS BOOK STRENGTHENS THE SCIENTIFIC KNOWLEDGE BASE AND PROMOTES RATIONAL THINKING AMONG STUDENTS THE MEDICAL COUNCIL OF INDIA MCI HAS INTRODUCED A COMPETENCY BASED CURRICULUM IN 2019 WHICH NOT ONLY LAYS EMPHASIS ON INTEGRATION WITH CLINICAL AND PRE CLINICAL SUBJECTS BUT ALSO CLEARLY STATES SUBJECT COMPETENCIES AND DEFINES DOMAINS AND LEVELS TO BE ACHIEVED FOR EACH OF THEM IN ADDITION IT IS CLINICALLY ORIENTED AND GIVES DUE IMPORTANCE TO THE SELF DIRECTED LEARNING THE DURATION OF TEACHING FOR THE SUBJECT OF PHARMACOLOGY IN THE NEW CURRICULUM HAS BEEN REDUCED TO ONE YEAR WITH ADDITIONAL DEDICATED TIME TO REVISIT IT IN THE SUBSEQUENT YEARS THIS 26TH EDITION OF PHARMACOLOGY AND PHARMACOTHERAPEUTICS HAS BEEN REVISED CONSIDERABLY TO MATCH THE DEMANDS OF THE NEW CURRICULUM RIGHT FROM ITS CONCEPTION THIS BOOK HAS USED AN INTEGRATED APPROACH INTERTWINING CURRENT KNOWLEDGE OF PATHOPHYSIOLOGY OF THE DISEASE PHARMACOLOGY OF AVAILABLE DRUGS AND STRATEGIES FOR MEDICAL MANAGEMENT OF DISEASES WE HAVE MADE EVERY ATTEMPT TO PROVIDE UP TO DATE INFORMATION ABOUT THE DRUGS WHILE FOCUSING ON THE ASPECTS RELEVANT TO THEIR USE IN CLINICAL PRACTICE STRUCTURED PEDAGOGY FACILITATING FEATURE RICH PRESENTATION AND ORGANIZATION OF THE CONTENT WHICH MAKES IT MORE STUDENT FRIENDLY RICHLY ILLUSTRATED CONTENT SUPPLEMENTED WITH LARGE NUMBER OF TABLES AND BOXES EXPLAINING PHYSIOLOGY COMPLEX CONCEPTS RELEVANT DRUG FEATURES AND PRINCIPLES OF PHARMACOTHERAPY MECHANISMS OF DRUG ACTIONS EXPLAINED IN TEXT AND ILLUSTRATED VIA DIAGRAMS AS WELL AS VIDEOS ANIMATIONS FOR BETTER UNDERSTANDING AND RETENTION KEY POINTS IN PHARMACOLOGY AND PHARMACOTHERAPY OF DISEASES HIGHLIGHTED THROUGHOUT THE BOOK PRACTICAL TIPS IN THIS BOOK SERVE AS A REFERENCE GUIDE IN PRACTICE SO THAT STUDENTS CAN TREAT THEIR PATIENTS EFFECTIVELY AND CONFIDENTLY

MULTIDIMENSIONAL SIMILARITY STRUCTURE ANALYSIS *1866*

THIS BOOK COVERS ANALYSIS ON FRACTALS A DEVELOPING AREA OF MATHEMATICS WHICH FOCUSES ON THE DYNAMICAL ASPECTS OF FRACTALS SUCH AS HEAT DIFFUSION ON FRACTALS AND THE VIBRATION OF A MATERIAL WITH FRACTAL STRUCTURE THE BOOK PROVIDES A SELF CONTAINED INTRODUCTION TO THE SUBJECT STARTING FROM THE BASIC GEOMETRY OF SELF SIMILAR SETS AND GOING ON TO DISCUSS RECENT RESULTS INCLUDING THE PROPERTIES OF EIGENVALUES AND EIGENFUNCTIONS OF THE LAPLACIANS AND THE ASYMPTOTICAL BEHAVIORS OF HEAT KERNELS ON SELF SIMILAR SETS REQUIRING ONLY A BASIC KNOWLEDGE OF ADVANCED ANALYSIS GENERAL TOPOLOGY AND MEASURE THEORY THIS BOOK WILL BE OF VALUE TO GRADUATE STUDENTS AND RESEARCHERS IN ANALYSIS AND PROBABILITY THEORY IT WILL ALSO BE USEFUL AS A SUPPLEMENTARY TEXT FOR GRADUATE COURSES COVERING FRACTALS

THE THEORY OF STRAINS IN GIRDERS AND SIMILAR STRUCTURES ... WITH ... ILLUSTRATIONS ENGRAVED IN WOOD BY OLDHAM 2016-11-03

WITHIN COGNITIVE SCIENCE TWO APPROACHES CURRENTLY DOMINATE THE PROBLEM OF MODELING REPRESENTATIONS THE SYMBOLIC APPROACH VIEWS COGNITION AS COMPUTATION INVOLVING SYMBOLIC MANIPULATION CONNECTIONISM A SPECIAL CASE OF ASSOCIATIONISM MODELS ASSOCIATIONS USING ARTIFICIAL NEURON NETWORKS PETER GARDNER OFFERS HIS THEORY OF CONCEPTUAL REPRESENTATIONS AS A BRIDGE BETWEEN THE SYMBOLIC AND CONNECTIONIST APPROACHES SYMBOLIC REPRESENTATION IS PARTICULARLY WEAK AT MODELING CONCEPT LEARNING WHICH IS PARAMOUNT FOR UNDERSTANDING MANY COGNITIVE PHENOMENA CONCEPT LEARNING IS CLOSELY TIED TO THE NOTION OF SIMILARITY WHICH IS ALSO POORLY SERVED BY THE SYMBOLIC APPROACH GARDNER'S THEORY OF CONCEPTUAL SPACES PRESENTS A FRAMEWORK FOR REPRESENTING INFORMATION ON THE CONCEPTUAL LEVEL A CONCEPTUAL SPACE IS BUILT UP FROM GEOMETRICAL STRUCTURES BASED ON A NUMBER OF QUALITY DIMENSIONS THE MAIN APPLICATIONS OF THE THEORY ARE ON THE CONSTRUCTIVE SIDE OF COGNITIVE SCIENCE AS A CONSTRUCTIVE MODEL THE THEORY CAN BE APPLIED TO THE DEVELOPMENT OF ARTIFICIAL SYSTEMS CAPABLE OF SOLVING COGNITIVE TASKS GARDNER ALSO SHOWS HOW CONCEPTUAL SPACES CAN SERVE AS AN EXPLANATORY FRAMEWORK FOR A NUMBER OF EMPIRICAL THEORIES IN PARTICULAR THOSE CONCERNING CONCEPT FORMATION INDUCTION AND SEMANTICS HIS AIM IS TO PRESENT A COHERENT RESEARCH PROGRAM THAT CAN BE USED AS A BASIS FOR MORE DETAILED INVESTIGATIONS

MULTIVARIATE STATISTICAL METHODS *2006-04-11*

READINGS IN FUZZY SETS FOR INTELLIGENT SYSTEMS IS A COLLECTION OF READINGS THAT EXPLORE THE MAIN FACETS OF FUZZY SETS AND POSSIBILITY THEORY AND THEIR USE IN INTELLIGENT SYSTEMS BASIC NOTIONS IN FUZZY SET THEORY ARE DISCUSSED ALONG WITH FUZZY CONTROL AND APPROXIMATE REASONING UNCERTAINTY AND INFORMATIVENESS INFORMATION PROCESSING AND MEMBERSHIP COGNITION NEURAL NETWORKS AND LEARNING ARE ALSO CONSIDERED COMPRISED OF EIGHT CHAPTERS THIS BOOK BEGINS WITH A HISTORICAL BACKGROUND ON FUZZY SETS AND POSSIBILITY THEORY CITING SOME FORERUNNERS WHO DISCUSSED IDEAS OR FORMAL DEFINITIONS VERY CLOSE TO THE BASIC NOTIONS INTRODUCED BY LOTFI ZADEH 1978 THE READER IS THEN INTRODUCED TO FUNDAMENTAL CONCEPTS IN FUZZY SET THEORY INCLUDING SYMMETRIC SUMMATION AND THE SETTING OF FUZZY LOGIC UNCERTAINTY AND INFORMATIVENESS AND FUZZY CONTROL SUBSEQUENT CHAPTERS DEAL WITH APPROXIMATE REASONING INFORMATION PROCESSING DECISION AND MANAGEMENT SCIENCES AND MEMBERSHIP COGNITION NEURAL NETWORKS AND LEARNING NUMERICAL METHODS FOR FUZZY CLUSTERING ARE DESCRIBED AND ADAPTIVE INFERENCE IN FUZZY KNOWLEDGE NETWORKS IS ANALYZED THIS MONOGRAPH WILL BE OF INTEREST TO BOTH STUDENTS AND PRACTITIONERS IN THE FIELDS OF COMPUTER SCIENCE INFORMATION SCIENCE APPLIED MATHEMATICS AND ARTIFICIAL INTELLIGENCE

PERSPECTIVES ON CONTENT-BASED MULTIMEDIA SYSTEMS *1992*

THE GENERAL PROPERTIES AND MATHEMATICAL STRUCTURES OF SEMISEPARABLE MATRICES WERE PRESENTED IN VOLUME 1 OF MATRIX COMPUTATIONS AND SEMISEPARABLE MATRICES IN VOLUME 2 RAJ VANDEBRIL MARC VAN BAREL AND NICOLA MASTRONARDI DISCUSS THE THEORY OF STRUCTURED EIGENVALUE AND SINGULAR VALUE COMPUTATIONS FOR SEMISEPARABLE MATRICES THESE MATRICES HAVE HIDDEN PROPERTIES THAT ALLOW THE DEVELOPMENT OF EFFICIENT METHODS AND ALGORITHMS TO ACCURATELY COMPUTE THE MATRIX EIGENVALUES THIS THOROUGH ANALYSIS OF SEMISEPARABLE MATRICES EXPLAINS THEIR THEORETICAL UNDERPINNINGS AND CONTAINS A WEALTH OF INFORMATION ON IMPLEMENTING THEM IN PRACTICE MANY OF THE ROUTINES FEATURED

2023-01-30

7/10

THE TROLLEY PROBLEM OR WOULD YOU THROW FAT GUY OFF BRIDGE A

PHILOSOPHICAL CONUNDRUM THOMAS CATHCART

ARE CODED IN MATLAB AND CAN BE DOWNLOADED FROM THE FOR FURTHER EXPLORATION

FORT DERUSSY DEVELOPMENT OF ARMED FORCES RECREATION CENTER, WAIKIKI *2020-07-10*

VOLTAGE GATED CALCIUM CHANNELS ARE CRITICAL REGULATORS OF CYTOPLASMIC LEVELS OF CALCIUM THE UNIVERSAL SIGNALING ION AS SUCH CALCIUM CHANNELS TRIGGER A WIDE RANGE OF CELLULAR FUNCTIONS FROM MUSCLE CONTRACTION TO NEUROTRANSMITTER SECRETION AND ARE IMPORTANT PLAYERS IN HUMAN DISEASE PROMINENT IN THE NERVOUS CARDIOVASCULAR AND ENDOCRINE SYSTEMS MEMBERS OF THE CALCIUM CHANNEL FAMILY ARE TARGETS FOR EXISTING ANTIHYPERTENSIVE AND ANTICONVULSANT DRUGS IN ADDITION THEY ARE EMERGING TARGETS FOR DRUGS TO TREAT AN EXTRAORDINARILY DIVERSE GROUP OF DISORDERS INCLUDING PAIN CEREBRAL ISCHEMIA CARDIAC ARRHYTHMIA AND MIGRAINE THIS BOOK REVIEWS THE COMPOUNDS THAT TARGET INDIVIDUAL CALCIUM CHANNEL SUBTYPES AND THE CELLULAR AND BEHAVIORAL FUNCTIONS GOVERNED BY EACH DIFFERENT CHANNEL IT CONTAINS INFORMATION FOR BASIC SCIENTISTS USING CALCIUM CHANNEL ANTAGONISTS AS EXPERIMENTAL TOOLS FOR BEHAVIORALISTS STUDYING ANIMAL MODELS OF HUMAN DISEASE AND FOR PHARMACEUTICAL SCIENTISTS INTERESTED IN CREATING THE NEXT GENERATION OF CALCIUM CHANNEL TARGETED DRUGS SEVERAL FACTORS MAKE AN ENTIRE BOOK ON CALCIUM CHANNEL PHARMACOLOGY TIMELY

PHARMACOLOGY AND PHARMACOTHERAPEUTICS *2001-06-07*

BASED LARGELY ON STATE SPACE MODELS THIS TEXT REFERENCE UTILIZES FUNDAMENTAL LINEAR ALGEBRA AND OPERATOR TECHNIQUES TO DEVELOP CLASSICAL AND MODERN RESULTS IN LINEAR SYSTEMS ANALYSIS AND CONTROL DESIGN IT PRESENTS STABILITY AND PERFORMANCE RESULTS FOR LINEAR SYSTEMS PROVIDES A GEOMETRIC PERSPECTIVE ON CONTROLLABILITY AND OBSERVABILITY AND DEVELOPS STATE SPACE REALIZATIONS OF TRANSFER FUNCTIONS IT ALSO STUDIES STABILIZABILITY AND DETECTABILITY CONSTRUCTS STATE FEEDBACK CONTROLLERS AND ASYMPTOTIC STATE ESTIMATORS COVERS THE LINEAR QUADRATIC REGULATOR PROBLEM IN DETAIL INTRODUCES H INFINITY CONTROL AND PRESENTS RESULTS ON HAMILTONIAN MATRICES AND RICCATI EQUATIONS

ANALYSIS ON FRACTALS *2004-01-30*

THIS BOOK ADDRESSES A FUNDAMENTAL QUESTION ABOUT THE NATURE OF BEHAVIOR HOW DOES THE BRAIN PROCESS REWARD AND MAKES DECISIONS WHEN FACING MULTIPLE OPTIONS THE BOOK PRESENTS THE MOST RECENT AND COMPELLING LESION NEUROIMAGING ELECTROPHYSIOLOGICAL AND COMPUTATIONAL STUDIES IN COMBINATION WITH HORMONAL AND GENETIC STUDIES WHICH HAVE LED TO A CLEARER UNDERSTANDING OF NEURAL MECHANISMS BEHIND REWARD AND DECISION MAKING THE NEURAL BASES OF REWARD AND DECISION MAKING PROCESSES ARE OF GREAT INTEREST TO SCIENTISTS BECAUSE OF THE FUNDAMENTAL ROLE OF REWARD IN A NUMBER OF BEHAVIORAL PROCESSES SUCH AS MOTIVATION LEARNING AND COGNITION AND BECAUSE OF THEIR THEORETICAL AND CLINICAL IMPLICATIONS FOR UNDERSTANDING DYSFUNCTIONS OF THE DOPAMINERGIC SYSTEM IN SEVERAL NEUROLOGICAL AND PSYCHIATRIC DISORDERS SCHIZOPHRENIA PARKINSON S DISEASE DRUG ADDICTION PATHOLOGICAL GAMBLING COMPREHENSIVE COVERAGE OF APPROACHES TO STUDYING REWARD AND DECISION MAKING INCLUDING PRIMATE NEUROPHYSIOLOGY AND BRAIN IMAGING STUDIES IN HEALTHY HUMANS AND IN VARIOUS DISORDERS GENETIC AND HORMONAL INFLUENCES ON THE REWARD SYSTEM AND COMPUTATIONAL MODELS COVERS CLINICAL IMPLICATIONS OF PROCESS DYSFUNCTION E G SCHIZOPHRENIA PARKINSON S DISEASE EATING DISORDERS DRUG ADDICTION PATHOLOGICAL GAMBLING USES MULTIPLE LEVELS OF ANALYSIS FROM MOLECULAR MECHANISMS TO NEURAL SYSTEMS DYNAMICS AND COMPUTATIONAL MODELS THIS IS A VERY INTERESTING AND AUTHORITATIVE HANDBOOK BY SOME OF THE MOST OUTSTANDING INVESTIGATORS IN THE FIELD OF REWARD AND DECISION MAKING PROFESSOR EDMUND T ROLLS OXFORD CENTER FOR COMPUTATIONAL NEUROSCIENCE UK

CONCEPTUAL SPACES *2014-05-12*

THE FIELD S ESSENTIAL STANDARD FOR MORE THAN THREE DECADES FUNDAMENTALS OF MOMENTUM HEAT AND MASS TRANSFER OFFERS A SYSTEMATIC INTRODUCTION TO TRANSPORT PHENOMENA AND RATE PROCESSES THOROUGH COVERAGE OF CENTRAL PRINCIPLES HELPS STUDENTS BUILD A FOUNDATIONAL KNOWLEDGE BASE WHILE DEVELOPING VITAL ANALYSIS AND PROBLEM SOLVING SKILLS MOMENTUM HEAT AND MASS TRANSFER ARE INTRODUCED SEQUENTIALLY FOR CLARITY OF CONCEPT AND LOGICAL ORGANIZATION OF PROCESSES WHILE EXAMPLES OF MODERN APPLICATIONS ILLUSTRATE REAL WORLD PRACTICES AND STRENGTHEN STUDENT COMPREHENSION DESIGNED TO KEEP THE FOCUS ON CONCEPT OVER CONTENT THIS TEXT USES ACCESSIBLE LANGUAGE AND EFFICIENT PEDAGOGY TO STREAMLINE STUDENT MASTERY AND FACILITATE FURTHER EXPLORATION ABUNDANT EXAMPLES PRACTICE PROBLEMS AND ILLUSTRATIONS REINFORCE BASIC PRINCIPLES WHILE EXTENSIVE TABLES SIMPLIFY COMPARISONS OF THE VARIOUS STATES OF MATTER DETAILED COVERAGE OF TOPICS INCLUDING DIMENSIONAL ANALYSIS VISCOUS FLOW CONDUCTION CONVECTION AND MOLECULAR DIFFUSION PROVIDE BROADLY RELEVANT GUIDANCE FOR UNDERGRADUATES AT THE SOPHOMORE OR JUNIOR LEVEL WITH SPECIAL SIGNIFICANCE TO STUDENTS OF CHEMICAL MECHANICAL ENVIRONMENTAL AND BIOCHEMICAL ENGINEERING

READINGS IN FUZZY SETS FOR INTELLIGENT SYSTEMS *2008-12-15*

MATRIX COMPUTATIONS AND SEMISEPARABLE MATRICES *2011-06-28*

CALCIUM CHANNEL PHARMACOLOGY *2003-03-27*

LINEAR SYSTEMS AND CONTROL *2009-06-04*

HANDBOOK OF REWARD AND DECISION MAKING *2020-06-23*

FUNDAMENTALS OF MOMENTUM, HEAT, AND MASS TRANSFER

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