

Excel Scientific And Engineering Cookbook

RIGHT HERE, WE HAVE COUNTLESS BOOKS **EXCEL SCIENTIFIC AND ENGINEERING COOKBOOK** AND COLLECTIONS TO CHECK OUT. WE ADDITIONALLY MEET THE EXPENSE OF VARIANT TYPES AND IN ADDITION TO TYPE OF THE BOOKS TO BROWSE. THE SATISFACTORY BOOK, FICTION, HISTORY, NOVEL, SCIENTIFIC RESEARCH, AS WITHOUT DIFFICULTY AS VARIOUS OTHER SORTS OF BOOKS ARE READILY AVAILABLE HERE.

AS THIS EXCEL SCIENTIFIC AND ENGINEERING COOKBOOK, IT ENDS OCCURRING SWINE ONE OF THE FAVORED BOOK EXCEL SCIENTIFIC AND ENGINEERING COOKBOOK COLLECTIONS THAT WE HAVE. THIS IS WHY YOU REMAIN IN THE BEST WEBSITE TO SEE THE AMAZING BOOK TO HAVE.

REVERSING ELAD EILAM 2011-12-12 BEGINNING WITH A BASIC PRIMER ON REVERSE ENGINEERING-INCLUDING COMPUTER INTERNALS, OPERATING SYSTEMS, AND ASSEMBLY LANGUAGE-AND THEN DISCUSSING THE VARIOUS APPLICATIONS OF REVERSE ENGINEERING, THIS BOOK PROVIDES READERS WITH PRACTICAL, IN-DEPTH TECHNIQUES FOR SOFTWARE REVERSE ENGINEERING. THE BOOK IS BROKEN INTO TWO PARTS, THE FIRST DEALS WITH SECURITY-RELATED REVERSE ENGINEERING AND THE SECOND EXPLORES THE MORE PRACTICAL ASPECTS OF REVERSE ENGINEERING. IN ADDITION, THE AUTHOR EXPLAINS HOW TO REVERSE ENGINEER A THIRD-PARTY SOFTWARE LIBRARY TO IMPROVE INTERFACING AND HOW TO REVERSE ENGINEER A COMPETITOR'S SOFTWARE TO BUILD A BETTER PRODUCT. * THE FIRST POPULAR BOOK TO SHOW HOW SOFTWARE REVERSE ENGINEERING CAN HELP DEFEND AGAINST SECURITY THREATS, SPEED UP DEVELOPMENT, AND UNLOCK THE SECRETS OF COMPETITIVE PRODUCTS * HELPS DEVELOPERS PLUG SECURITY HOLES BY DEMONSTRATING HOW HACKERS EXPLOIT REVERSE ENGINEERING TECHNIQUES TO CRACK COPY-PROTECTION SCHEMES AND IDENTIFY SOFTWARE TARGETS FOR VIRUSES AND OTHER MALWARE * OFFERS A PRIMER ON ADVANCED REVERSE-ENGINEERING, DELVING INTO "DISASSEMBLY"-CODE-LEVEL REVERSE ENGINEERING-AND EXPLAINING HOW TO DECIPHER ASSEMBLY LANGUAGE

EXCEL FOR SCIENTISTS AND ENGINEERS E. JOSEPH BILLO 2007-04-06 LEARN TO FULLY HARNESS THE POWER OF MICROSOFT EXCEL(R) TO PERFORM SCIENTIFIC AND ENGINEERING CALCULATIONS WITH THIS TEXT AS YOUR GUIDE, YOU CAN SIGNIFICANTLY ENHANCE MICROSOFT EXCEL'S(R) CAPABILITIES TO EXECUTE THE CALCULATIONS NEEDED TO SOLVE A VARIETY OF CHEMICAL, BIOCHEMICAL, PHYSICAL, ENGINEERING, BIOLOGICAL, AND MEDICINAL PROBLEMS. THE TEXT BEGINS WITH TWO CHAPTERS THAT INTRODUCE YOU TO EXCEL'S VISUAL BASIC FOR APPLICATIONS (VBA) PROGRAMMING LANGUAGE, WHICH ALLOWS YOU TO EXPAND EXCEL'S(R) CAPABILITIES, ALTHOUGH YOU CAN STILL USE THE TEXT WITHOUT LEARNING VBA. FOLLOWING THE AUTHOR'S STEP-BY-STEP INSTRUCTIONS, HERE ARE JUST A FEW OF THE CALCULATIONS YOU LEARN TO PERFORM: * USE WORKSHEET FUNCTIONS TO WORK WITH MATRICES * FIND ROOTS OF EQUATIONS AND SOLVE SYSTEMS OF SIMULTANEOUS EQUATIONS * SOLVE ORDINARY DIFFERENTIAL EQUATIONS AND PARTIAL DIFFERENTIAL EQUATIONS * PERFORM LINEAR AND NON-LINEAR REGRESSION * USE RANDOM NUMBERS AND THE MONTE CARLO METHOD THIS TEXT IS LOADED WITH EXAMPLES RANGING FROM VERY BASIC TO HIGHLY SOPHISTICATED SOLUTIONS. MORE THAN 100 END-OF-CHAPTER PROBLEMS HELP YOU TEST AND PUT YOUR KNOWLEDGE TO PRACTICE SOLVING REAL-WORLD PROBLEMS. ANSWERS AND EXPLANATORY NOTES FOR MOST OF THE PROBLEMS ARE PROVIDED IN AN APPENDIX. THE CD-ROM THAT ACCOMPANIES THIS TEXT PROVIDES SEVERAL USEFUL FEATURES: * ALL THE SPREADSHEETS, CHARTS, AND VBA CODE NEEDED TO PERFORM THE EXAMPLES FROM THE TEXT * SOLUTIONS TO MOST OF THE END-OF-CHAPTER PROBLEMS * AN ADD-IN WORKBOOK WITH MORE THAN TWENTY CUSTOM FUNCTIONS THIS TEXT DOES NOT REQUIRE ANY BACKGROUND IN PROGRAMMING, SO IT IS SUITABLE FOR BOTH UNDERGRADUATE AND GRADUATE COURSES. MOREOVER, PRACTITIONERS IN SCIENCE AND ENGINEERING WILL FIND THAT THIS GUIDE SAVES HOURS OF TIME BY ENABLING THEM TO PERFORM MOST OF THEIR CALCULATIONS WITH ONE FAMILIAR SPREADSHEET PACKAGE.

MATHEMATICA COOKBOOK SAL MANGANO 2010-04-02 MATHEMATICA COOKBOOK HELPS YOU MASTER THE APPLICATION'S CORE PRINCIPLES BY WALKING YOU THROUGH REAL-WORLD PROBLEMS. IDEAL FOR BROWSING, THIS BOOK INCLUDES RECIPES FOR WORKING WITH NUMERICS, DATA STRUCTURES, ALGEBRAIC EQUATIONS, CALCULUS, AND STATISTICS. YOU'LL ALSO VENTURE INTO EXOTIC TERRITORY WITH RECIPES FOR DATA VISUALIZATION USING 2D AND 3D GRAPHIC TOOLS, IMAGE PROCESSING, AND MUSIC. ALTHOUGH MATHEMATICA 7 IS A HIGHLY ADVANCED COMPUTATIONAL PLATFORM, THE RECIPES IN THIS BOOK MAKE IT ACCESSIBLE TO EVERYONE -- WHETHER YOU'RE WORKING ON HIGH SCHOOL ALGEBRA, SIMPLE GRAPHS, PHD-LEVEL COMPUTATION, FINANCIAL ANALYSIS, OR ADVANCED ENGINEERING MODELS. LEARN HOW TO USE MATHEMATICA AT A HIGHER LEVEL WITH FUNCTIONAL PROGRAMMING AND PATTERN MATCHING DELVE INTO THE RICH LIBRARY OF FUNCTIONS FOR STRING AND STRUCTURED TEXT MANIPULATION LEARN HOW TO APPLY THE TOOLS TO PHYSICS AND ENGINEERING PROBLEMS DRAW ON MATHEMATICA'S ACCESS TO PHYSICS, CHEMISTRY, AND BIOLOGY DATA GET TECHNIQUES FOR SOLVING EQUATIONS IN COMPUTATIONAL FINANCE LEARN HOW TO

USE MATHEMATICA FOR SOPHISTICATED IMAGE PROCESSING PROCESS MUSIC AND AUDIO AS MUSICAL NOTES, ANALOG WAVEFORMS, OR DIGITAL SOUND SAMPLES

PROCEEDINGS OF THE 1ST WORLD CONGRESS ON INTEGRATED COMPUTATIONAL MATERIALS ENGINEERING (ICME) THE MINERALS, METALS & MATERIALS SOCIETY (TMS) 2011-06-15 IN ITS MOST ADVANCED FORM, INTEGRATED COMPUTATIONAL MATERIALS ENGINEERING (ICME) HOLISTICALLY INTEGRATES MANUFACTURING SIMULATION, ADVANCED MATERIALS MODELS AND COMPONENT PERFORMANCE ANALYSIS. THIS VOLUME CONTAINS THIRTY-FIVE PAPERS PRESENTED AT THE 1ST WORLD CONGRESS ON INTEGRATED COMPUTATIONAL MATERIALS ENGINEERING. MODELING PROCESSING-MICROSTRUCTURE RELATIONSHIPS, MODELING MICROSTRUCTURE-PROPERTY RELATIONSHIPS, AND THE ROLE OF ICME IN GRADUATE AND UNDERGRADUATE EDUCATION ARE DISCUSSED. IDEAL AS A PRIMARY TEXT FOR ENGINEERING STUDENTS, THIS BOOK MOTIVATES A WIDER UNDERSTANDING OF THE ADVANTAGES AND LIMITATIONS OFFERED BY THE VARIOUS COMPUTATIONAL (AND COORDINATED EXPERIMENTAL) TOOLS OF THIS FIELD.

97 THINGS EVERY CLOUD ENGINEER SHOULD KNOW EMILY FREEMAN 2020-12-04 IF YOU CREATE, MANAGE, OPERATE, OR CONFIGURE SYSTEMS RUNNING IN THE CLOUD, YOU'RE A CLOUD ENGINEER--EVEN IF YOU WORK AS A SYSTEM ADMINISTRATOR, SOFTWARE DEVELOPER, DATA SCIENTIST, OR SITE RELIABILITY ENGINEER. WITH THIS BOOK, PROFESSIONALS FROM AROUND THE WORLD PROVIDE VALUABLE INSIGHT INTO TODAY'S CLOUD ENGINEERING ROLE. THESE CONCISE ARTICLES EXPLORE THE ENTIRE CLOUD COMPUTING EXPERIENCE, INCLUDING FUNDAMENTALS, ARCHITECTURE, AND MIGRATION. YOU'LL DELVE INTO SECURITY AND COMPLIANCE, OPERATIONS AND RELIABILITY, AND SOFTWARE DEVELOPMENT. AND EXAMINE NETWORKING, ORGANIZATIONAL CULTURE, AND MORE. YOU'RE SURE TO FIND 1, 2, OR 97 THINGS THAT INSPIRE YOU TO DIG DEEPER AND EXPAND YOUR OWN CAREER. "THREE KEYS TO MAKING THE RIGHT MULTICLOUD DECISIONS," BRENDAN O'LEARY "SERVERLESS BAD PRACTICES," MANASES JESUS GALINDO BELLO "FAILING A CLOUD MIGRATION," LEE ATCHISON "TREAT YOUR CLOUD ENVIRONMENT AS IF IT WERE ON PREMISES," IYANA GARRY "WHAT IS TOIL, AND WHY ARE SREs OBSESSED WITH IT?," ZACHARY NICKENS "LEAN QA: THE QA EVOLVING IN THE DEVOPS WORLD," THERESA NEATE "HOW ECONOMIES OF SCALE WORK IN THE CLOUD," JON MOORE "THE CLOUD IS NOT ABOUT THE CLOUD," KEN CORLESS "DATA GRAVITY: THE IMPORTANCE OF DATA MANAGEMENT IN THE CLOUD," GEOFF HUGHES "EVEN IN THE CLOUD, THE NETWORK IS THE FOUNDATION," DAVID MURRAY "CLOUD ENGINEERING IS ABOUT CULTURE, NOT CONTAINERS," HOLLY CUMMINS

NUMERICAL METHODS ANNE GREENBAUM 2012-04-01 A RIGOROUS AND COMPREHENSIVE INTRODUCTION TO NUMERICAL ANALYSIS NUMERICAL METHODS PROVIDES A CLEAR AND CONCISE EXPLORATION OF STANDARD NUMERICAL ANALYSIS TOPICS, AS WELL AS NONTRADITIONAL ONES, INCLUDING MATHEMATICAL MODELING, MONTE CARLO METHODS, MARKOV CHAINS, AND FRACTALS. FILLED WITH APPEALING EXAMPLES THAT WILL MOTIVATE STUDENTS, THE TEXTBOOK CONSIDERS MODERN APPLICATION AREAS, SUCH AS INFORMATION RETRIEVAL AND ANIMATION, AND CLASSICAL TOPICS FROM PHYSICS AND ENGINEERING. EXERCISES USE MATLAB AND PROMOTE UNDERSTANDING OF COMPUTATIONAL RESULTS. THE BOOK GIVES INSTRUCTORS THE FLEXIBILITY TO EMPHASIZE DIFFERENT ASPECTS—DESIGN, ANALYSIS, OR COMPUTER IMPLEMENTATION—OF NUMERICAL ALGORITHMS, DEPENDING ON THE BACKGROUND AND INTERESTS OF STUDENTS. DESIGNED FOR UPPER-DIVISION UNDERGRADUATES IN MATHEMATICS OR COMPUTER SCIENCE CLASSES, THE TEXTBOOK ASSUMES THAT STUDENTS HAVE PRIOR KNOWLEDGE OF LINEAR ALGEBRA AND CALCULUS, ALTHOUGH THESE TOPICS ARE REVIEWED IN THE TEXT. SHORT DISCUSSIONS OF THE HISTORY OF NUMERICAL METHODS ARE INTERSPERSED THROUGHOUT THE CHAPTERS. THE BOOK ALSO INCLUDES POLYNOMIAL INTERPOLATION AT CHEBYSHEV POINTS, USE OF THE MATLAB PACKAGE CHEBFUN, AND A SECTION ON THE FAST FOURIER TRANSFORM. SUPPLEMENTARY MATERIALS ARE AVAILABLE ONLINE. CLEAR AND CONCISE EXPOSITION OF STANDARD NUMERICAL ANALYSIS TOPICS EXPLORES NONTRADITIONAL TOPICS, SUCH AS MATHEMATICAL MODELING AND MONTE CARLO METHODS COVERS MODERN APPLICATIONS, INCLUDING INFORMATION RETRIEVAL AND ANIMATION, AND CLASSICAL APPLICATIONS FROM PHYSICS AND ENGINEERING PROMOTES UNDERSTANDING OF COMPUTATIONAL RESULTS THROUGH MATLAB EXERCISES PROVIDES FLEXIBILITY SO INSTRUCTORS CAN EMPHASIZE MATHEMATICAL OR APPLIED/COMPUTATIONAL ASPECTS OF NUMERICAL METHODS OR A COMBINATION INCLUDES RECENT RESULTS ON POLYNOMIAL INTERPOLATION AT CHEBYSHEV POINTS AND USE OF THE MATLAB PACKAGE CHEBFUN SHORT DISCUSSIONS OF THE HISTORY OF NUMERICAL METHODS INTERSPERSED THROUGHOUT SUPPLEMENTARY MATERIALS AVAILABLE ONLINE

TEACHING ENGINEERING, SECOND EDITION PHILLIP C. WANKAT 2015-01-15 THE MAJORITY OF PROFESSORS HAVE NEVER HAD A FORMAL COURSE IN EDUCATION, AND THE MOST COMMON METHOD FOR LEARNING HOW TO TEACH IS ON-THE-JOB TRAINING. THIS REPRESENTS A CHALLENGE FOR DISCIPLINES WITH EVER MORE COMPLEX SUBJECT MATTER, AND A LOST OPPORTUNITY WHEN NEW ACTIVE LEARNING APPROACHES TO EDUCATION ARE YIELDING DRAMATIC IMPROVEMENTS IN STUDENT LEARNING AND RETENTION. THIS BOOK AIMS TO COVER ALL ASPECTS OF TEACHING ENGINEERING AND OTHER TECHNICAL SUBJECTS. IT PRESENTS BOTH PRACTICAL MATTERS AND EDUCATIONAL THEORIES IN A FORMAT USEFUL FOR BOTH NEW AND EXPERIENCED TEACHERS. IT IS ORGANIZED TO START WITH SPECIFIC, PRACTICAL TEACHING APPLICATIONS AND THEN LEADS TO PSYCHOLOGICAL AND EDUCATIONAL THEORIES. THE "PRACTICAL ORIENTATION" SECTION EXPLAINS HOW TO DEVELOP OBJECTIVES AND THEN USE THEM TO ENHANCE STUDENT LEARNING,

AND THE "THEORETICAL ORIENTATION" SECTION DISCUSSES THE THEORETICAL BASIS FOR LEARNING/TEACHING AND ITS IMPACT ON STUDENTS. WRITTEN MAINLY FOR PHD STUDENTS AND PROFESSORS IN ALL AREAS OF ENGINEERING, THE BOOK MAY BE USED AS A TEXT FOR GRADUATE-LEVEL CLASSES AND PROFESSIONAL WORKSHOPS OR BY PROFESSIONALS WHO WISH TO READ IT ON THEIR OWN. ALTHOUGH THE FOCUS IS ENGINEERING EDUCATION, MOST OF THIS BOOK WILL BE USEFUL TO TEACHERS IN OTHER DISCIPLINES. TEACHING IS A COMPLEX HUMAN ACTIVITY, SO IT IS IMPOSSIBLE TO DEVELOP A FORMULA THAT GUARANTEES IT WILL BE EXCELLENT. HOWEVER, THE METHODS IN THIS BOOK WILL HELP ALL PROFESSORS BECOME GOOD TEACHERS WHILE SPENDING LESS TIME PREPARING FOR THE CLASSROOM. THIS IS A NEW EDITION OF THE WELL-RECEIVED VOLUME PUBLISHED BY MCGRAW-HILL IN 1993. IT INCLUDES AN ENTIRELY REVISED SECTION ON THE ACCREDITATION BOARD FOR ENGINEERING AND TECHNOLOGY (ABET) AND NEW SECTIONS ON THE CHARACTERISTICS OF GREAT TEACHERS, DIFFERENT ACTIVE LEARNING METHODS, THE APPLICATION OF TECHNOLOGY IN THE CLASSROOM (FROM CLICKERS TO INTELLIGENT TUTORIAL SYSTEMS), AND HOW PEOPLE LEARN.

PYTHON COOKBOOK DAVID BEAZLEY 2013-05-10 IF YOU NEED HELP WRITING PROGRAMS IN PYTHON 3, OR WANT TO UPDATE OLDER PYTHON 2 CODE, THIS BOOK IS JUST THE TICKET. PACKED WITH PRACTICAL RECIPES WRITTEN AND TESTED WITH PYTHON 3.3, THIS UNIQUE COOKBOOK IS FOR EXPERIENCED PYTHON PROGRAMMERS WHO WANT TO FOCUS ON MODERN TOOLS AND IDIOMS. INSIDE, YOU'LL FIND COMPLETE RECIPES FOR MORE THAN A DOZEN TOPICS, COVERING THE CORE PYTHON LANGUAGE AS WELL AS TASKS COMMON TO A WIDE VARIETY OF APPLICATION DOMAINS. EACH RECIPE CONTAINS CODE SAMPLES YOU CAN USE IN YOUR PROJECTS RIGHT AWAY, ALONG WITH A DISCUSSION ABOUT HOW AND WHY THE SOLUTION WORKS. TOPICS INCLUDE: DATA STRUCTURES AND ALGORITHMS STRINGS AND TEXT NUMBERS, DATES, AND TIMES ITERATORS AND GENERATORS FILES AND I/O DATA ENCODING AND PROCESSING FUNCTIONS CLASSES AND OBJECTS METAPROGRAMMING MODULES AND PACKAGES NETWORK AND WEB PROGRAMMING CONCURRENCY UTILITY SCRIPTING AND SYSTEM ADMINISTRATION TESTING, DEBUGGING, AND EXCEPTIONS C EXTENSIONS

SENSITIVITY ANALYSIS IN PRACTICE ANDREA SALTELLI 2004-07-16 SENSITIVITY ANALYSIS SHOULD BE CONSIDERED A PRE-REQUISITE FOR STATISTICAL MODEL BUILDING IN ANY SCIENTIFIC DISCIPLINE WHERE MODELLING TAKES PLACE. FOR A NON-EXPERT, CHOOSING THE METHOD OF ANALYSIS FOR THEIR MODEL IS COMPLEX, AND DEPENDS ON A NUMBER OF FACTORS. THIS BOOK GUIDES THE NON-EXPERT THROUGH THEIR PROBLEM IN ORDER TO ENABLE THEM TO CHOOSE AND APPLY THE MOST APPROPRIATE METHOD. IT OFFERS A REVIEW OF THE STATE-OF-THE-ART IN SENSITIVITY ANALYSIS, AND IS SUITABLE FOR A WIDE RANGE OF PRACTITIONERS. IT IS FOCUSED ON THE USE OF SIMLAB - A WIDELY DISTRIBUTED FREELY-AVAILABLE SENSITIVITY ANALYSIS SOFTWARE PACKAGE DEVELOPED BY THE AUTHORS - FOR SOLVING PROBLEMS IN SENSITIVITY ANALYSIS OF STATISTICAL MODELS. OTHER KEY FEATURES: PROVIDES AN ACCESSIBLE OVERVIEW OF THE CURRENT MOST WIDELY USED METHODS FOR SENSITIVITY ANALYSIS. OPENS WITH A DETAILED WORKED EXAMPLE TO EXPLAIN THE MOTIVATION BEHIND THE BOOK. INCLUDES A RANGE OF EXAMPLES TO HELP ILLUSTRATE THE CONCEPTS DISCUSSED. FOCUSES ON IMPLEMENTATION OF THE METHODS IN THE SOFTWARE SIMLAB - A FREELY-AVAILABLE SENSITIVITY ANALYSIS SOFTWARE PACKAGE DEVELOPED BY THE AUTHORS. CONTAINS A LARGE NUMBER OF REFERENCES TO SOURCES FOR FURTHER READING. AUTHORED BY THE LEADING AUTHORITIES ON SENSITIVITY ANALYSIS.

PYTHON DATA CLEANING COOKBOOK MICHAEL WALKER 2020-12-11 DISCOVER HOW TO DESCRIBE YOUR DATA IN DETAIL, IDENTIFY DATA ISSUES, AND FIND OUT HOW TO SOLVE THEM USING COMMONLY USED TECHNIQUES AND TIPS AND TRICKS KEY FEATURES GET WELL-VERSED WITH VARIOUS DATA CLEANING TECHNIQUES TO REVEAL KEY INSIGHTS MANIPULATE DATA OF DIFFERENT COMPLEXITIES TO SHAPE THEM INTO THE RIGHT FORM AS PER YOUR BUSINESS NEEDS CLEAN, MONITOR, AND VALIDATE LARGE DATA VOLUMES TO DIAGNOSE PROBLEMS BEFORE MOVING ON TO DATA ANALYSIS BOOK DESCRIPTION GETTING CLEAN DATA TO REVEAL INSIGHTS IS ESSENTIAL, AS DIRECTLY JUMPING INTO DATA ANALYSIS WITHOUT PROPER DATA CLEANING MAY LEAD TO INCORRECT RESULTS. THIS BOOK SHOWS YOU TOOLS AND TECHNIQUES THAT YOU CAN APPLY TO CLEAN AND HANDLE DATA WITH PYTHON. YOU'LL BEGIN BY GETTING FAMILIAR WITH THE SHAPE OF DATA BY USING PRACTICES THAT CAN BE DEPLOYED ROUTINELY WITH MOST DATA SOURCES. THEN, THE BOOK TEACHES YOU HOW TO MANIPULATE DATA TO GET IT INTO A USEFUL FORM. YOU'LL ALSO LEARN HOW TO FILTER AND SUMMARIZE DATA TO GAIN INSIGHTS AND BETTER UNDERSTAND WHAT MAKES SENSE AND WHAT DOES NOT, ALONG WITH DISCOVERING HOW TO OPERATE ON DATA TO ADDRESS THE ISSUES YOU'VE IDENTIFIED. MOVING ON, YOU'LL PERFORM KEY TASKS, SUCH AS HANDLING MISSING VALUES, VALIDATING ERRORS, REMOVING DUPLICATE DATA, MONITORING HIGH VOLUMES OF DATA, AND HANDLING OUTLIERS AND INVALID DATES. NEXT, YOU'LL COVER RECIPES ON USING SUPERVISED LEARNING AND NAIVE BAYES ANALYSIS TO IDENTIFY UNEXPECTED VALUES AND CLASSIFICATION ERRORS, AND GENERATE VISUALIZATIONS FOR EXPLORATORY DATA ANALYSIS (EDA) TO VISUALIZE UNEXPECTED VALUES. FINALLY, YOU'LL BUILD FUNCTIONS AND CLASSES THAT YOU CAN REUSE WITHOUT MODIFICATION WHEN YOU HAVE NEW DATA. BY THE END OF THIS PYTHON BOOK, YOU'LL BE EQUIPPED WITH ALL THE KEY SKILLS THAT YOU NEED TO CLEAN DATA AND DIAGNOSE PROBLEMS WITHIN IT. WHAT YOU WILL LEARN FIND OUT HOW TO READ AND ANALYZE DATA FROM A VARIETY OF SOURCES PRODUCE SUMMARIES OF THE ATTRIBUTES OF DATA FRAMES, COLUMNS, AND ROWS FILTER DATA AND SELECT COLUMNS OF INTEREST THAT SATISFY GIVEN CRITERIA ADDRESS MESSY DATA ISSUES, INCLUDING WORKING WITH DATES AND MISSING VALUES IMPROVE YOUR PRODUCTIVITY IN PYTHON PANDAS BY USING METHOD

CHAINING USE VISUALIZATIONS TO GAIN ADDITIONAL INSIGHTS AND IDENTIFY POTENTIAL DATA ISSUES ENHANCE YOUR ABILITY TO LEARN WHAT IS GOING ON IN YOUR DATA BUILD USER-DEFINED FUNCTIONS AND CLASSES TO AUTOMATE DATA CLEANING WHO THIS BOOK IS FOR THIS BOOK IS FOR ANYONE LOOKING FOR WAYS TO HANDLE MESSY, DUPLICATE, AND POOR DATA USING DIFFERENT PYTHON TOOLS AND TECHNIQUES. THE BOOK TAKES A RECIPE-BASED APPROACH TO HELP YOU TO LEARN HOW TO CLEAN AND MANAGE DATA. WORKING KNOWLEDGE OF PYTHON PROGRAMMING IS ALL YOU NEED TO GET THE MOST OUT OF THE BOOK.

PYTHON FEATURE ENGINEERING COOKBOOK SOLEDAD GALLI 2020-01-22 EXTRACT ACCURATE INFORMATION FROM DATA TO TRAIN AND IMPROVE MACHINE LEARNING MODELS USING NUMPY, SCIPY, PANDAS, AND SCIKIT-LEARN LIBRARIES KEY FEATURES DISCOVER SOLUTIONS FOR FEATURE GENERATION, FEATURE EXTRACTION, AND FEATURE SELECTION UNCOVER THE END-TO-END FEATURE ENGINEERING PROCESS ACROSS CONTINUOUS, DISCRETE, AND UNSTRUCTURED DATASETS IMPLEMENT MODERN FEATURE EXTRACTION TECHNIQUES USING PYTHON'S PANDAS, SCIKIT-LEARN, SCIPY AND NUMPY LIBRARIES BOOK DESCRIPTION FEATURE ENGINEERING IS INVALUABLE FOR DEVELOPING AND ENRICHING YOUR MACHINE LEARNING MODELS. IN THIS COOKBOOK, YOU WILL WORK WITH THE BEST TOOLS TO STREAMLINE YOUR FEATURE ENGINEERING PIPELINES AND TECHNIQUES AND SIMPLIFY AND IMPROVE THE QUALITY OF YOUR CODE. USING PYTHON LIBRARIES SUCH AS PANDAS, SCIKIT-LEARN, FEATURETOOLS, AND FEATURE-ENGINE, YOU'LL LEARN HOW TO WORK WITH BOTH CONTINUOUS AND DISCRETE DATASETS AND BE ABLE TO TRANSFORM FEATURES FROM UNSTRUCTURED DATASETS. YOU WILL DEVELOP THE SKILLS NECESSARY TO SELECT THE BEST FEATURES AS WELL AS THE MOST SUITABLE EXTRACTION TECHNIQUES. THIS BOOK WILL COVER PYTHON RECIPES THAT WILL HELP YOU AUTOMATE FEATURE ENGINEERING TO SIMPLIFY COMPLEX PROCESSES. YOU'LL ALSO GET TO GRIPS WITH DIFFERENT FEATURE ENGINEERING STRATEGIES, SUCH AS THE BOX-COX TRANSFORM, POWER TRANSFORM, AND LOG TRANSFORM ACROSS MACHINE LEARNING, REINFORCEMENT LEARNING, AND NATURAL LANGUAGE PROCESSING (NLP) DOMAINS. BY THE END OF THIS BOOK, YOU'LL HAVE DISCOVERED TIPS AND PRACTICAL SOLUTIONS TO ALL OF YOUR FEATURE ENGINEERING PROBLEMS. WHAT YOU WILL LEARN SIMPLIFY YOUR FEATURE ENGINEERING PIPELINES WITH POWERFUL PYTHON PACKAGES GET TO GRIPS WITH IMPUTING MISSING VALUES ENCODE CATEGORICAL VARIABLES WITH A WIDE SET OF TECHNIQUES EXTRACT INSIGHTS FROM TEXT QUICKLY AND EFFORTLESSLY DEVELOP FEATURES FROM TRANSACTIONAL DATA AND TIME SERIES DATA DERIVE NEW FEATURES BY COMBINING EXISTING VARIABLES UNDERSTAND HOW TO TRANSFORM, DISCRETIZE, AND SCALE YOUR VARIABLES CREATE INFORMATIVE VARIABLES FROM DATE AND TIME WHO THIS BOOK IS FOR THIS BOOK IS FOR MACHINE LEARNING PROFESSIONALS, AI ENGINEERS, DATA SCIENTISTS, AND NLP AND REINFORCEMENT LEARNING ENGINEERS WHO WANT TO OPTIMIZE AND ENRICH THEIR MACHINE LEARNING MODELS WITH THE BEST FEATURES. KNOWLEDGE OF MACHINE LEARNING AND PYTHON CODING WILL ASSIST YOU WITH UNDERSTANDING THE CONCEPTS COVERED IN THIS BOOK.

FUNDAMENTALS OF INFORMATION TECHNOLOGY BHARIHOKE 2009 THE THIRD EDITION OF FUNDAMENTALS OF INFORMATION TECHNOLOGY IS A 'MUST HAVE' BOOK NOT ONLY FOR BCA AND MBA STUDENTS, BUT ALSO FOR ALL THOSE WHO WANT TO STRENGTHEN THEIR KNOWLEDGE OF COMPUTERS. THE ADDITIONAL CHAPTER ON MS OFFICE IS A COMPREHENSIVE STUDY ON MS WORD, MS EXCEL AND OTHER COMPONENTS OF THE PACKAGE. THIS BOOK IS PACKED WITH EXPERT ADVICE FROM EMINENT IT PROFESSIONALS, IN-DEPTH ANALYSES AND PRACTICAL EXAMPLES. IT PRESENTS A DETAILED FUNCTIONING OF HARDWARE COMPONENTS BESIDES COVERING THE SOFTWARE CONCEPTS. A BROAD OVERVIEW OF COMPUTER ARCHITECTURE, DATA REPRESENTATION IN THE COMPUTER, OPERATING SYSTEMS, DATABASE MANAGEMENT SYSTEMS, PROGRAMMING LANGUAGES, ETC., HAS ALSO BEEN INCLUDED. AN ADDITIONAL CHAPTER ON MOBILE COMPUTING AND OTHER STATE-OF-THE-ART INNOVATIONS IN THE IT WORLD HAVE BEEN INCORPORATED. NOT ONLY THAT, THE LATEST INTERNET TECHNOLOGIES HAVE ALSO BEEN COVERED IN DETAIL. ONE SHOULD USE THIS BOOK TO ACQUIRE COMPUTER LITERACY IN TERMS OF HOW DATA IS REPRESENTED IN A COMPUTER, HOW HARDWARE DEVICES ARE INTEGRATED TO GET THE DESIRED RESULTS, HOW THE COMPUTER CAN BE NETWORKED FOR INTERCHANGING DATA AND ESTABLISHING COMMUNICATION. EACH CHAPTER IS FOLLOWED BY A NUMBER OF REVIEW QUESTIONS.

BRAVE NUI WORLD DANIEL WIGDOR 2011-04-05 BRAVE NUI WORLD IS THE FIRST PRACTICAL GUIDE FOR DESIGNING TOUCH- AND GESTURE-BASED USER INTERFACES. WRITTEN BY THE TEAM FROM MICROSOFT THAT DEVELOPED THE MULTI-TOUCH, MULTI-USER SURFACE® TABLETOP PRODUCT, IT INTRODUCES THE READER TO NATURAL USER INTERFACES (NUI). IT GIVES READERS THE NECESSARY TOOLS AND INFORMATION TO INTEGRATE TOUCH AND GESTURE PRACTICES INTO DAILY WORK, PRESENTING SCENARIOS, PROBLEM SOLVING, METAPHORS, AND TECHNIQUES INTENDED TO AVOID MAKING MISTAKES. THIS BOOK CONSIDERS DIVERSE USER NEEDS AND CONTEXT, REAL WORLD SUCCESSES AND FAILURES, AND THE FUTURE OF NUI. IT PRESENTS THIRTY SCENARIOS, GIVING PRACTITIONERS A MULTITUDE OF CONSIDERATIONS FOR MAKING INFORMED DESIGN DECISIONS AND HELPING TO ENSURE THAT MISSTEPS ARE NEVER MADE AGAIN. THE BOOK WILL BE OF VALUE TO GAME DESIGNERS AS WELL AS PRACTITIONERS, RESEARCHERS, AND STUDENTS INTERESTED IN LEARNING ABOUT USER EXPERIENCE DESIGN, USER INTERFACE DESIGN, INTERACTION DESIGN, SOFTWARE DESIGN, HUMAN COMPUTER INTERACTION, HUMAN FACTORS, INFORMATION DESIGN, AND INFORMATION ARCHITECTURE. PROVIDES EASY-TO-APPLY DESIGN GUIDANCE FOR THE UNIQUE CHALLENGE OF CREATING TOUCH- AND GESTURE-BASED USER INTERFACES CONSIDERS DIVERSE USER NEEDS AND CONTEXT, REAL WORLD SUCCESSES AND FAILURES, AND A LOOK INTO THE FUTURE OF NUI PRESENTS THIRTY SCENARIOS, GIVING PRACTITIONERS A MULTITUDE OF CONSIDERATIONS FOR MAKING INFORMED DESIGN DECISIONS

AND HELPING TO ENSURE THAT MISSTEPS ARE NEVER MADE AGAIN

C++ FOR ENGINEERS AND SCIENTISTS GARY J. BRONSON 2006 BRONSON'S ROBUST SECOND EDITION MAKES C++ ACCESSIBLE TO FIRST LEVEL ENGINEERING STUDENTS, AS C++ CONTINUES TO GAIN A STRONGHOLD IN THE ENGINEERING AND SCIENTIFIC COMMUNITIES.

CLEANING DATA FOR EFFECTIVE DATA SCIENCE DAVID MERTZ 2021-03-31 THINK ABOUT YOUR DATA INTELLIGENTLY AND ASK THE RIGHT QUESTIONS KEY FEATURES MASTER DATA CLEANING TECHNIQUES NECESSARY TO PERFORM REAL-WORLD DATA SCIENCE AND MACHINE LEARNING TASKS SPOT COMMON PROBLEMS WITH DIRTY DATA AND DEVELOP FLEXIBLE SOLUTIONS FROM FIRST PRINCIPLES TEST AND REFINE YOUR NEWLY ACQUIRED SKILLS THROUGH DETAILED EXERCISES AT THE END OF EACH CHAPTER BOOK DESCRIPTION DATA CLEANING IS THE ALL-IMPORTANT FIRST STEP TO SUCCESSFUL DATA SCIENCE, DATA ANALYSIS, AND MACHINE LEARNING. IF YOU WORK WITH ANY KIND OF DATA, THIS BOOK IS YOUR GO-TO RESOURCE, ARMING YOU WITH THE INSIGHTS AND HEURISTICS EXPERIENCED DATA SCIENTISTS HAD TO LEARN THE HARD WAY. IN A LIGHT-HEARTED AND ENGAGING EXPLORATION OF DIFFERENT TOOLS, TECHNIQUES, AND DATASETS REAL AND FICTITIOUS, PYTHON VETERAN DAVID MERTZ TEACHES YOU THE INS AND OUTS OF DATA PREPARATION AND THE ESSENTIAL QUESTIONS YOU SHOULD BE ASKING OF EVERY PIECE OF DATA YOU WORK WITH. USING A MIXTURE OF PYTHON, R, AND COMMON COMMAND-LINE TOOLS, CLEANING DATA FOR EFFECTIVE DATA SCIENCE FOLLOWS THE DATA CLEANING PIPELINE FROM START TO END, FOCUSING ON HELPING YOU UNDERSTAND THE PRINCIPLES UNDERLYING EACH STEP OF THE PROCESS. YOU'LL LOOK AT DATA INGESTION OF A VAST RANGE OF TABULAR, HIERARCHICAL, AND OTHER DATA FORMATS, IMPUTE MISSING VALUES, DETECT UNRELIABLE DATA AND STATISTICAL ANOMALIES, AND GENERATE SYNTHETIC FEATURES. THE LONG-FORM EXERCISES AT THE END OF EACH CHAPTER LET YOU GET HANDS-ON WITH THE SKILLS YOU'VE ACQUIRED ALONG THE WAY, ALSO PROVIDING A VALUABLE RESOURCE FOR ACADEMIC COURSES. WHAT YOU WILL LEARN INGEST AND WORK WITH COMMON DATA FORMATS LIKE JSON, CSV, SQL AND NOSQL DATABASES, PDF, AND BINARY SERIALIZED DATA STRUCTURES UNDERSTAND HOW AND WHY WE USE TOOLS SUCH AS PANDAS, SCIPY, SCIKIT-LEARN, TIDYVERSE, AND BASH APPLY USEFUL RULES AND HEURISTICS FOR ASSESSING DATA QUALITY AND DETECTING BIAS, LIKE BENFORD'S LAW AND THE 68-95-99.7 RULE IDENTIFY AND HANDLE UNRELIABLE DATA AND OUTLIERS, EXAMINING Z-SCORE AND OTHER STATISTICAL PROPERTIES IMPUTE SENSIBLE VALUES INTO MISSING DATA AND USE SAMPLING TO FIX IMBALANCES USE DIMENSIONALITY REDUCTION, QUANTIZATION, ONE-HOT ENCODING, AND OTHER FEATURE ENGINEERING TECHNIQUES TO DRAW OUT PATTERNS IN YOUR DATA WORK CAREFULLY WITH TIME SERIES DATA, PERFORMING DE-TRENDING AND INTERPOLATION WHO THIS BOOK IS FOR THIS BOOK IS DESIGNED TO BENEFIT SOFTWARE DEVELOPERS, DATA SCIENTISTS, ASPIRING DATA SCIENTISTS, TEACHERS, AND STUDENTS WHO WORK WITH DATA. IF YOU WANT TO IMPROVE YOUR RIGOR IN DATA HYGIENE OR ARE LOOKING FOR A REFRESHER, THIS BOOK IS FOR YOU. BASIC FAMILIARITY WITH STATISTICS, GENERAL CONCEPTS IN MACHINE LEARNING, KNOWLEDGE OF A PROGRAMMING LANGUAGE (PYTHON OR R), AND SOME EXPOSURE TO DATA SCIENCE ARE HELPFUL.

EASY COMPUTER BASICS, WINDOWS 7 EDITION MICHAEL MILLER 2009-09-01 SEE IT DONE. DO IT YOURSELF. IT'S THAT EASY! EASY COMPUTER BASICS, WINDOWS 7 EDITION TEACHES YOU THE FUNDAMENTALS TO HELP YOU GET THE MOST FROM YOUR COMPUTER HARDWARE AND SOFTWARE. FULLY ILLUSTRATED STEPS WITH SIMPLE INSTRUCTIONS GUIDE YOU THROUGH EACH TASK, BUILDING THE SKILLS YOU NEED TO PERFORM THE MOST COMMON COMPUTER TASKS. NO NEED TO FEEL INTIMIDATED; WE'LL HOLD YOUR HAND EVERY STEP OF THE WAY. IN FULL COLOR LEARN HOW TO... • SET UP AND CONFIGURE YOUR NEW COMPUTER SYSTEM • UPGRADE YOUR COMPUTER WITH NEW HARDWARE AND SOFTWARE • USE MICROSOFT WINDOWS 7—AND PERSONALIZE IT JUST FOR YOU • CONNECT TO THE INTERNET FOR WEB SURFING, EMAIL, FACEBOOK, AND YOUTUBE • MANAGE AND EDIT DIGITAL PHOTOS • PLAY, COPY, AND BURN YOUR OWN MUSIC CDS—AND DOWNLOAD MUSIC FROM THE INTERNET TO PLAY ON YOUR IPOD • PROTECT YOUR FAMILY AND YOUR COMPUTER FROM VIRUSES, SPAM, AND SPYWARE • SET UP A WIRELESS HOME NETWORK AND SHARE YOUR INTERNET CONNECTION WITH MULTIPLE COMPUTERS CATEGORY: GENERAL COMPUTING COVERS: HARDWARE, MICROSOFT ® WINDOWS 7 USER LEVEL: BEGINNER EASY STEPS GUIDE YOU THROUGH EACH TASK. ITEMS YOU SELECT OR CLICK ARE SHOWN IN BOLD. EACH STEP IS FULLY ILLUSTRATED.

ADVANCED MODELLING IN FINANCE USING EXCEL AND VBA MARY JACKSON 2006-08-30 THIS NEW AND UNIQUE BOOK DEMONSTRATES THAT EXCEL AND VBA CAN PLAY AN IMPORTANT ROLE IN THE EXPLANATION AND IMPLEMENTATION OF NUMERICAL METHODS ACROSS FINANCE. ADVANCED MODELLING IN FINANCE PROVIDES A COMPREHENSIVE LOOK AT EQUITIES, OPTIONS ON EQUITIES AND OPTIONS ON BONDS FROM THE EARLY 1950S TO THE LATE 1990S. THE BOOK ADOPTS A STEP-BY-STEP APPROACH TO UNDERSTANDING THE MORE SOPHISTICATED ASPECTS OF EXCEL MACROS AND VBA PROGRAMMING, SHOWING HOW THESE PROGRAMMING TECHNIQUES CAN BE USED TO MODEL AND MANIPULATE FINANCIAL DATA, AS APPLIED TO EQUITIES, BONDS AND OPTIONS. THE BOOK IS ESSENTIAL FOR FINANCIAL PRACTITIONERS WHO NEED TO DEVELOP THEIR FINANCIAL MODELLING SKILL SETS AS THERE IS AN INCREASE IN THE NEED TO ANALYSE AND DEVELOP EVER MORE COMPLEX 'WHAT IF' SCENARIOS. SPECIFICALLY APPLIES EXCEL AND VBA TO THE FINANCIAL MARKETS PACKAGED WITH A CD CONTAINING THE SOFTWARE FROM THE EXAMPLES THROUGHOUT THE BOOK NOTE: CD-ROM/DVD AND OTHER SUPPLEMENTARY MATERIALS ARE NOT INCLUDED AS PART OF EBOOK

FILE.

EXCEL FOR SCIENTISTS AND ENGINEERS E. JOSEPH BILLO 2007-03-16 LEARN TO FULLY HARNESS THE POWER OF MICROSOFT EXCEL® TO PERFORM SCIENTIFIC AND ENGINEERING CALCULATIONS WITH THIS TEXT AS YOUR GUIDE, YOU CAN SIGNIFICANTLY ENHANCE MICROSOFT EXCEL'S® CAPABILITIES TO EXECUTE THE CALCULATIONS NEEDED TO SOLVE A VARIETY OF CHEMICAL, BIOCHEMICAL, PHYSICAL, ENGINEERING, BIOLOGICAL, AND MEDICINAL PROBLEMS. THE TEXT BEGINS WITH TWO CHAPTERS THAT INTRODUCE YOU TO EXCEL'S VISUAL BASIC FOR APPLICATIONS (VBA) PROGRAMMING LANGUAGE, WHICH ALLOWS YOU TO EXPAND EXCEL'S® CAPABILITIES, ALTHOUGH YOU CAN STILL USE THE TEXT WITHOUT LEARNING VBA. FOLLOWING THE AUTHOR'S STEP-BY-STEP INSTRUCTIONS, HERE ARE JUST A FEW OF THE CALCULATIONS YOU LEARN TO PERFORM: USE WORKSHEET FUNCTIONS TO WORK WITH MATRICES FIND ROOTS OF EQUATIONS AND SOLVE SYSTEMS OF SIMULTANEOUS EQUATIONS SOLVE ORDINARY DIFFERENTIAL EQUATIONS AND PARTIAL DIFFERENTIAL EQUATIONS PERFORM LINEAR AND NON-LINEAR REGRESSION USE RANDOM NUMBERS AND THE MONTE CARLO METHOD THIS TEXT IS LOADED WITH EXAMPLES RANGING FROM VERY BASIC TO HIGHLY SOPHISTICATED SOLUTIONS. MORE THAN 100 END-OF-CHAPTER PROBLEMS HELP YOU TEST AND PUT YOUR KNOWLEDGE TO PRACTICE SOLVING REAL-WORLD PROBLEMS. ANSWERS AND EXPLANATORY NOTES FOR MOST OF THE PROBLEMS ARE PROVIDED IN AN APPENDIX. THE CD-ROM THAT ACCOMPANIES THIS TEXT PROVIDES SEVERAL USEFUL FEATURES: ALL THE SPREADSHEETS, CHARTS, AND VBA CODE NEEDED TO PERFORM THE EXAMPLES FROM THE TEXT SOLUTIONS TO MOST OF THE END-OF-CHAPTER PROBLEMS AN ADD-IN WORKBOOK WITH MORE THAN TWENTY CUSTOM FUNCTIONS THIS TEXT DOES NOT REQUIRE ANY BACKGROUND IN PROGRAMMING, SO IT IS SUITABLE FOR BOTH UNDERGRADUATE AND GRADUATE COURSES. MOREOVER, PRACTITIONERS IN SCIENCE AND ENGINEERING WILL FIND THAT THIS GUIDE SAVES HOURS OF TIME BY ENABLING THEM TO PERFORM MOST OF THEIR CALCULATIONS WITH ONE FAMILIAR SPREADSHEET PACKAGE

EXCEL FOR ENGINEERS AND SCIENTISTS SYLVAN CHARLES BLOCH 2003 IN THIS BASIC INTRODUCTION, THE AUTHOR AIMS TO HELP ENGINEERS AND SCIENTISTS TO UNDERSTAND AND USE EXCEL IN THEIR FIELDS. THE BOOK IS INTERACTIVE AND DESIGNED TO BE USED IN CONJUNCTION WITH A COMPUTER, TO PROVIDE A HANDS-ON LEARNING EXPERIENCE.

THE ULTRAMETABOLISM COOKBOOK MARK HYMAN 2007-11-20 FROM THE TEN-TIME NEW YORK TIMES BESTSELLING AUTHOR OF ULTRAMETABOLISM, THE BLOOD SUGAR SOLUTION, AND EAT FAT, GET THIN COMES THE ULTRAMETABOLISM COOKBOOK. THE PERFECT COMPANION TO DR. HYMAN'S NEW YORK TIMES BESTSELLER, ULTRAMETABOLISM, THE ULTRAMETABOLISM COOKBOOK HAS 200 CONVENIENT, EASY-TO-PREPARE, AND, DELICIOUS RECIPES GEARED TO EACH PHASE OF THE ULTRAMETABOLISM PLAN AND DESIGNED TO KICK YOUR METABOLISM INTO OVERDRIVE, CHANGE THE WAY YOU EAT, AND ESTABLISH A LIFESTYLE SHIFT TO HELP YOU FEEL BETTER AND KEEP THE WEIGHT OFF. THE FIRST PART OF THE BOOK TAKES THE READER THROUGH THE THREE-WEEK DETOXIFICATION OF PHASE I AND OFFERS A WIDE VARIETY OF DELICIOUS AND EASILY PREPARED DISHES LIKE ROASTED SHRIMP, TURKEY AND RED BEAN CHILI, AND RATATOUILLE. PHASE II REBALANCES YOUR METABOLISM IN FOUR WEEKS AND OFFERS THE WAY TO A HEALTHY METABOLISM FOR LIFE WITH RECIPES FOR SATISFYING, FLAVOR-PACKED APPETIZERS LIKE CURRIED DEVILED EGGS WITH CASHEWS, AS WELL AS MANY MORE NEW SALADS, MEATS, FISH, SHELLFISH, SOUPS, POULTRY, GRAINS, VEGETABLES, BREAKFAST FOODS, SNACKS AND, OF COURSE, LOTS OF PLANT-BASED OPTIONS AND BEAN DISHES FOR VEGETARIANS. BASED OFF CUTTING-EDGE NUTRITIONAL SCIENCE, THESE GREAT RECIPES WILL HELP YOU INTEGRATE THE ULTRAMETABOLISM WAY OF EATING INTO YOUR LIFESTYLE, FROM QUICK WEEKNIGHT SUPPERS TO ENTERTAINING AND HOLIDAY MEALS.

ANALYZING BUSINESS DATA WITH EXCEL GERALD KNIGHT 2006-01-03 AS ONE OF THE MOST WIDELY USED DESKTOP APPLICATIONS EVER CREATED, EXCEL IS FAMILIAR TO JUST ABOUT EVERYONE WITH A COMPUTER AND A KEYBOARD. YET MOST OF US DON'T KNOW THE FULL EXTENT OF WHAT EXCEL CAN DO, MOSTLY BECAUSE OF ITS RECENT GROWTH IN POWER, VERSATILITY, AND COMPLEXITY. THE TRUTH IS THAT THERE ARE MANY WAYS EXCEL CAN HELP MAKE YOUR JOB EASIER-BEYOND CALCULATING SUMS AND AVERAGES IN A STANDARD SPREADSHEET. ANALYZING BUSINESS DATA WITH EXCEL SHOWS YOU HOW TO SOLVE REAL-WORLD BUSINESS PROBLEMS BY TAKING EXCEL'S DATA ANALYSIS FEATURES TO THE MAX. RATHER THAN FOCUSING ON INDIVIDUAL EXCEL FUNCTIONS AND FEATURES, THE BOOK KEYS DIRECTLY ON THE NEEDS OF BUSINESS USERS. MOST OF THE CHAPTERS START WITH A BUSINESS PROBLEM OR QUESTION, AND THEN SHOW YOU HOW TO CREATE POINTED SPREADSHEETS THAT ADDRESS COMMON DATA ANALYSIS ISSUES. AIMED PRIMARILY AT EXPERIENCED EXCEL USERS, THE BOOK DOESN'T SPEND MUCH TIME ON THE BASICS. AFTER INTRODUCING SOME NECESSARY GENERAL TOOLS, IT QUICKLY MOVES INTO MORE SPECIFIC PROBLEM AREAS, SUCH AS THE FOLLOWING: STATISTICS PIVOT TABLES WORKLOAD FORECASTING MODELING MEASURING QUALITY MONITORING COMPLEX SYSTEMS QUEUING OPTIMIZING IMPORTING DATA IF YOU FEEL AS THOUGH YOU'RE GETTING SHORTCHANGED BY YOUR OVERALL APPLICATION OF EXCEL, ANALYZING BUSINESS DATA WITH EXCEL IS JUST THE ANTIDOTE. IT ADDRESSES THE GROWING EXCEL DATA ANALYSIS MARKET HEAD ON. ACCOUNTANTS, MANAGERS, ANALYSTS, ENGINEERS, AND SUPERVISORS-ONE AND ALL-WILL LEARN HOW TO TURN EXCEL FUNCTIONALITY INTO ACTUAL SOLUTIONS FOR THE BUSINESS PROBLEMS THAT CONFRONT THEM.

PYTHON FOR FINANCE YVES HILPISCH 2014-12-11 THE FINANCIAL INDUSTRY HAS ADOPTED PYTHON AT A TREMENDOUS RATE RECENTLY, WITH SOME OF THE LARGEST INVESTMENT BANKS AND HEDGE FUNDS USING IT TO BUILD CORE TRADING AND RISK MANAGEMENT SYSTEMS. THIS HANDS-ON GUIDE HELPS BOTH DEVELOPERS AND QUANTITATIVE ANALYSTS GET STARTED WITH PYTHON, AND GUIDES YOU THROUGH THE MOST IMPORTANT ASPECTS OF USING PYTHON FOR QUANTITATIVE FINANCE. USING PRACTICAL EXAMPLES THROUGH THE BOOK, AUTHOR YVES HILPISCH ALSO SHOWS YOU HOW TO DEVELOP A FULL-FLEDGED FRAMEWORK FOR MONTE CARLO SIMULATION-BASED DERIVATIVES AND RISK ANALYTICS, BASED ON A LARGE, REALISTIC CASE STUDY. MUCH OF THE BOOK USES INTERACTIVE IPYTHON NOTEBOOKS, WITH TOPICS THAT INCLUDE: FUNDAMENTALS: PYTHON DATA STRUCTURES, NUMPY ARRAY HANDLING, TIME SERIES ANALYSIS WITH PANDAS, VISUALIZATION WITH MATPLOTLIB, HIGH PERFORMANCE I/O OPERATIONS WITH PYTABLES, DATE/TIME INFORMATION HANDLING, AND SELECTED BEST PRACTICES FINANCIAL TOPICS: MATHEMATICAL TECHNIQUES WITH NUMPY, SCIPY AND SYMPY SUCH AS REGRESSION AND OPTIMIZATION; STOCHASTICS FOR MONTE CARLO SIMULATION, VALUE-AT-RISK, AND CREDIT-VALUE-AT-RISK CALCULATIONS; STATISTICS FOR NORMALITY TESTS, MEAN-VARIANCE PORTFOLIO OPTIMIZATION, PRINCIPAL COMPONENT ANALYSIS (PCA), AND BAYESIAN REGRESSION SPECIAL TOPICS: PERFORMANCE PYTHON FOR FINANCIAL ALGORITHMS, SUCH AS VECTORIZATION AND PARALLELIZATION, INTEGRATING PYTHON WITH EXCEL, AND BUILDING FINANCIAL APPLICATIONS BASED ON WEB TECHNOLOGIES

EXCEL BY EXAMPLE AUBREY KAGAN 2004-05-19 THE SPREADSHEET HAS BECOME A UBIQUITOUS ENGINEERING TOOL, AND MICROSOFT EXCEL IS THE STANDARD SPREADSHEET SOFTWARE PACKAGE. OVER THE YEARS, EXCEL HAS BECOME SUCH A COMPLEX PROGRAM THAT MOST ENGINEERS UNDERSTAND AND USE ONLY A TINY PART OF ITS POWER AND FEATURES. THIS BOOK IS AIMED AT ELECTRONICS ENGINEERS AND TECHNICIANS IN PARTICULAR, SHOWING THEM HOW TO BEST USE EXCEL'S FEATURES FOR COMPUTATIONS, CIRCUIT MODELING, GRAPHING, AND DATA ANALYSIS AS APPLIED TO ELECTRONICS DESIGN. SEPARATE CHAPTERS COVER LOOKUP TABLES AND FILE I/O, USING MACROS, GRAPHING, CONTROLS, USING ANALYSIS TOOLPAK FOR STATISTICAL ANALYSIS, DATABASES, AND LINKING INTO EXCEL FROM OTHER SOURCES, SUCH AS DATA FROM A SERIAL PORT. THE BOOK IS BASICALLY AN ENGINEERING COOKBOOK, WITH EACH CHAPTER PROVIDING TUTORIAL INFORMATION ALONG WITH SEVERAL EXCEL "RECIPES" OF INTEREST TO ELECTRONICS ENGINEERS. THE ACCOMPANYING CD-ROM FEATURES READY-TO-RUN, CUSTOMIZABLE EXCEL WORKSHEETS DERIVED FROM THE BOOK EXAMPLES, WHICH WILL BE USEFUL TOOLS TO ADD TO ANY ELECTRONICS ENGINEER'S SPREADSHEET TOOLBOX. ENGINEERS ARE LOOKING FOR ANY AND ALL MEANS TO INCREASE THEIR EFFICIENCY AND ADD TO THEIR "BAG OF DESIGN TRICKS." JUST ABOUT EVERY ELECTRONICS ENGINEER USES EXCEL BUT MOST FEEL THAT THE PROGRAM HAS MANY MORE FEATURES TO OFFER, IF THEY ONLY KNEW WHAT THEY WERE! THE EXCEL DOCUMENTATION IS VOLUMINOUS AND ELECTRONICS ENGINEERS DON'T HAVE THE TIME TO READ IT ALL AND SIFT THROUGH LOOKING FOR THOSE FEATURES THAT ARE DIRECTLY APPLICABLE TO THEIR JOBS AND FIGURE OUT HOW TO USE THEM. THIS BOOK DOES THAT TASK FOR THEM-PULLS OUT THOSE FEATURES THAT THEY NEED TO KNOW ABOUT AND SHOWS THEM HOW TO MAKE USE OF THEM IN SPECIFIC DESIGN EXAMPLES THAT THEY CAN THEN TAILOR TO THEIR OWN DESIGN NEEDS. *THIS IS THE ONLY BOOK TO DEAL WITH EXCEL SPECIFICALLY IN THE ELECTRONICS FIELD *DISTILLS VOLUMINOUS AND TIME-CONSUMING EXCEL DOCUMENTATION DOWN TO NITTY-GRITTY EXPLANATIONS OF THOSE FEATURES THAT ARE DIRECTLY APPLICABLE TO THE ELECTRONICS ENGINEER'S DAILY JOB DUTIES *THE ACCOMPANYING CD-ROM PROVIDES READY-TO-USE, FULLY-CUSTOMIZABLE WORKSHEETS FROM THE BOOK'S EXAMPLES

THE SCIENTIST AND ENGINEER'S GUIDE TO DIGITAL SIGNAL PROCESSING STEVEN W. SMITH 1999

PANDAS COOKBOOK THEODORE PETROU 2017-10-23 OVER 95 HANDS-ON RECIPES TO LEVERAGE THE POWER OF PANDAS FOR EFFICIENT SCIENTIFIC COMPUTATION AND DATA ANALYSIS ABOUT THIS BOOK USE THE POWER OF PANDAS TO SOLVE MOST COMPLEX SCIENTIFIC COMPUTING PROBLEMS WITH EASE LEVERAGE FAST, ROBUST DATA STRUCTURES IN PANDAS TO GAIN USEFUL INSIGHTS FROM YOUR DATA PRACTICAL, EASY TO IMPLEMENT RECIPES FOR QUICK SOLUTIONS TO COMMON PROBLEMS IN DATA USING PANDAS WHO THIS BOOK IS FOR THIS BOOK IS FOR DATA SCIENTISTS, ANALYSTS AND PYTHON DEVELOPERS WHO WISH TO EXPLORE DATA ANALYSIS AND SCIENTIFIC COMPUTING IN A PRACTICAL, HANDS-ON MANNER. THE RECIPES INCLUDED IN THIS BOOK ARE SUITABLE FOR BOTH NOVICE AND ADVANCED USERS, AND CONTAIN HELPFUL TIPS, TRICKS AND CAVEATS WHEREVER NECESSARY. SOME UNDERSTANDING OF PANDAS WILL BE HELPFUL, BUT NOT MANDATORY. WHAT YOU WILL LEARN MASTER THE FUNDAMENTALS OF PANDAS TO QUICKLY BEGIN EXPLORING ANY DATASET ISOLATE ANY SUBSET OF DATA BY PROPERLY SELECTING AND QUERYING THE DATA SPLIT DATA INTO INDEPENDENT GROUPS BEFORE APPLYING AGGREGATIONS AND TRANSFORMATIONS TO EACH GROUP RESTRUCTURE DATA INTO TIDY FORM TO MAKE DATA ANALYSIS AND VISUALIZATION EASIER PREPARE REAL-WORLD MESSY DATASETS FOR MACHINE LEARNING COMBINE AND MERGE DATA FROM DIFFERENT SOURCES THROUGH PANDAS SQL-LIKE OPERATIONS UTILIZE PANDAS UNPARALLELED TIME SERIES FUNCTIONALITY CREATE BEAUTIFUL AND INSIGHTFUL VISUALIZATIONS THROUGH PANDAS DIRECT HOOKS TO MATPLOTLIB AND SEABORN IN DETAIL THIS BOOK WILL PROVIDE YOU WITH UNIQUE, IDIOMATIC, AND FUN RECIPES FOR BOTH FUNDAMENTAL AND ADVANCED DATA MANIPULATION TASKS WITH PANDAS. SOME RECIPES FOCUS ON ACHIEVING A DEEPER UNDERSTANDING OF BASIC PRINCIPLES, OR COMPARING AND CONTRASTING TWO SIMILAR OPERATIONS. OTHER RECIPES WILL DIVE DEEP INTO A PARTICULAR DATASET, UNCOVERING NEW AND UNEXPECTED INSIGHTS ALONG THE WAY. THE PANDAS LIBRARY IS MASSIVE,

AND IT'S COMMON FOR FREQUENT USERS TO BE UNAWARE OF MANY OF ITS MORE IMPRESSIVE FEATURES. THE OFFICIAL PANDAS DOCUMENTATION, WHILE THOROUGH, DOES NOT CONTAIN MANY USEFUL EXAMPLES OF HOW TO PIECE TOGETHER MULTIPLE COMMANDS LIKE ONE WOULD DO DURING AN ACTUAL ANALYSIS. THIS BOOK GUIDES YOU, AS IF YOU WERE LOOKING OVER THE SHOULDER OF AN EXPERT, THROUGH PRACTICAL SITUATIONS THAT YOU ARE HIGHLY LIKELY TO ENCOUNTER. MANY ADVANCED RECIPES COMBINE SEVERAL DIFFERENT FEATURES ACROSS THE PANDAS LIBRARY TO GENERATE RESULTS. STYLE AND APPROACH THE AUTHOR RELIES ON HIS VAST EXPERIENCE TEACHING PANDAS IN A PROFESSIONAL SETTING TO DELIVER VERY DETAILED EXPLANATIONS FOR EACH LINE OF CODE IN ALL OF THE RECIPES. ALL CODE AND DATASET EXPLANATIONS EXIST IN JUPYTER NOTEBOOKS, AN EXCELLENT INTERFACE FOR EXPLORING DATA.

NUMERICAL PYTHON ROBERT JOHANSSON 2018-12-24 LEVERAGE THE NUMERICAL AND MATHEMATICAL MODULES IN PYTHON AND ITS STANDARD LIBRARY AS WELL AS POPULAR OPEN SOURCE NUMERICAL PYTHON PACKAGES LIKE NUMPY, SCIPY, FIPY, MATPLOTLIB AND MORE. THIS FULLY REVISED EDITION, UPDATED WITH THE LATEST DETAILS OF EACH PACKAGE AND CHANGES TO JUPYTER PROJECTS, DEMONSTRATES HOW TO NUMERICALLY COMPUTE SOLUTIONS AND MATHEMATICALLY MODEL APPLICATIONS IN BIG DATA, CLOUD COMPUTING, FINANCIAL ENGINEERING, BUSINESS MANAGEMENT AND MORE. NUMERICAL PYTHON, SECOND EDITION, PRESENTS MANY BRAND-NEW CASE STUDY EXAMPLES OF APPLICATIONS IN DATA SCIENCE AND STATISTICS USING PYTHON, ALONG WITH EXTENSIONS TO MANY PREVIOUS EXAMPLES. EACH OF THESE DEMONSTRATES THE POWER OF PYTHON FOR RAPID DEVELOPMENT AND EXPLORATORY COMPUTING DUE TO ITS SIMPLE AND HIGH-LEVEL SYNTAX AND MULTIPLE OPTIONS FOR DATA ANALYSIS. AFTER READING THIS BOOK, READERS WILL BE FAMILIAR WITH MANY COMPUTING TECHNIQUES INCLUDING ARRAY-BASED AND SYMBOLIC COMPUTING, VISUALIZATION AND NUMERICAL FILE I/O, EQUATION SOLVING, OPTIMIZATION, INTERPOLATION AND INTEGRATION, AND DOMAIN-SPECIFIC COMPUTATIONAL PROBLEMS, SUCH AS DIFFERENTIAL EQUATION SOLVING, DATA ANALYSIS, STATISTICAL MODELING AND MACHINE LEARNING. WHAT YOU'LL LEARN WORK WITH VECTORS AND MATRICES USING NUMPY PLOT AND VISUALIZE DATA WITH MATPLOTLIB PERFORM DATA ANALYSIS TASKS WITH PANDAS AND SCIPY REVIEW STATISTICAL MODELING AND MACHINE LEARNING WITH STATS MODELS AND SCIKIT-LEARN OPTIMIZE PYTHON CODE USING NUMBA AND CYTHON WHO THIS BOOK IS FOR DEVELOPERS WHO WANT TO UNDERSTAND HOW TO USE PYTHON AND ITS RELATED ECOSYSTEM FOR NUMERICAL COMPUTING.

ADVANCED EXCEL FOR SCIENTIFIC DATA ANALYSIS ROBERT DE LEVIE 2004 THIS GUIDE TO EXCEL FOCUSES ON THREE AREAS-- LEAST SQUARES, FOURIER TRANSFORMATION, AND DIGITAL SIMULATION. IT ILLUSTRATES THE TECHNIQUES WITH DETAILED EXAMPLES, MANY DRAWN FROM THE SCIENTIFIC LITERATURE. IT ALSO INCLUDES AND DESCRIBES A NUMBER OF SAMPLE MACROS AND FUNCTIONS TO FACILITATE COMMON DATA ANALYSIS TASKS. DE LEVIE IS AFFILIATED WITH BOWDOIN COLLEGE. ANNOTATION : 2004 BOOK NEWS, INC., PORTLAND, OR (BOOKNEWS.COM).

PHYSICS FOR GAME DEVELOPERS DAVID M BOURG 2013-04-11 IF YOU WANT TO ENRICH YOUR GAME'S EXPERIENCE WITH PHYSICS-BASED REALISM, THE EXPANDED EDITION OF THIS CLASSIC BOOK DETAILS PHYSICS PRINCIPLES APPLICABLE TO GAME DEVELOPMENT. YOU'LL LEARN ABOUT COLLISIONS, EXPLOSIONS, SOUND, PROJECTILES, AND OTHER EFFECTS USED IN GAMES ON WII, PLAYSTATION, XBOX, SMARTPHONES, AND TABLETS. YOU'LL ALSO GET A HANDLE ON HOW TO TAKE ADVANTAGE OF VARIOUS SENSORS SUCH AS ACCELEROMETERS AND OPTICAL TRACKING DEVICES. AUTHORS DAVID BOURG AND BRYAN BYWALEC SHOW YOU HOW TO DEVELOP YOUR OWN SOLUTIONS TO A VARIETY OF PROBLEMS BY PROVIDING TECHNICAL BACKGROUND, FORMULAS, AND A FEW CODE EXAMPLES. THIS UPDATED BOOK IS INDISPENSABLE WHETHER YOU WORK ALONE OR AS PART OF A TEAM. REFRESH YOUR KNOWLEDGE OF CLASSICAL MECHANICS, INCLUDING KINEMATICS, FORCE, KINETICS, AND COLLISION RESPONSE EXPLORE RIGID BODY DYNAMICS, USING REAL-TIME 2D AND 3D SIMULATIONS TO HANDLE ROTATION AND INERTIA APPLY CONCEPTS TO REAL-WORLD PROBLEMS: MODEL THE BEHAVIOR OF BOATS, AIRPLANES, CARS, AND SPORTS BALLS ENHANCE YOUR GAMES WITH DIGITAL PHYSICS, USING ACCELEROMETERS, TOUCH SCREENS, GPS, OPTICAL TRACKING DEVICES, AND 3D DISPLAYS CAPTURE 3D SOUND EFFECTS WITH THE OPENAL AUDIO API

HEAD FIRST DATA ANALYSIS MICHAEL MILTON 2009-07-24 A GUIDE FOR DATA MANAGERS AND ANALYZERS SHARES GUIDELINES FOR IDENTIFYING PATTERNS, PREDICTING FUTURE OUTCOMES, AND PRESENTING FINDINGS TO OTHERS; DRAWING ON CURRENT RESEARCH IN COGNITIVE SCIENCE AND LEARNING THEORY WHILE COVERING SUCH ADDITIONAL TOPICS AS ASSESSING DATA QUALITY, HANDLING AMBIGUOUS INFORMATION, AND ORGANIZING DATA WITHIN MARKET GROUPS. ORIGINAL.

EXCEL SCIENTIFIC AND ENGINEERING COOKBOOK DAVID M BOURG 2006-01-17 GIVEN THE IMPROVED ANALYTICAL CAPABILITIES OF EXCEL, SCIENTISTS AND ENGINEERS EVERYWHERE ARE USING IT--INSTEAD OF FORTRAN--TO SOLVE PROBLEMS. AND WHY NOT? EXCEL IS INSTALLED ON MILLIONS OF COMPUTERS, FEATURES A RICH SET OF BUILT-IN ANALYSES TOOLS, AND INCLUDES AN INTEGRATED VISUAL BASIC FOR APPLICATIONS (VBA) PROGRAMMING LANGUAGE. NO WONDER IT'S TODAY'S COMPUTING TOOL OF CHOICE. CHANCES ARE YOU ALREADY USE EXCEL TO PERFORM SOME FAIRLY ROUTINE CALCULATIONS. NOW THE EXCEL SCIENTIFIC AND ENGINEERING COOKBOOK SHOWS YOU HOW TO LEVERAGE EXCEL TO PERFORM MORE COMPLEX CALCULATIONS, TOO,

CALCULATIONS THAT ONCE FELL IN THE DOMAIN OF SPECIALIZED TOOLS. IT DOES SO BY PUTTING A SMORGASBORD OF DATA ANALYSIS TECHNIQUES RIGHT AT YOUR FINGERTIPS. THE BOOK SHOWS HOW TO PERFORM THESE USEFUL TASKS AND OTHERS: USE EXCEL AND VBA IN GENERAL IMPORT DATA FROM A VARIETY OF SOURCES ANALYZE DATA PERFORM CALCULATIONS VISUALIZE THE RESULTS FOR INTERPRETATION AND PRESENTATION USE EXCEL TO SOLVE SPECIFIC SCIENCE AND ENGINEERING PROBLEMS WHEREVER POSSIBLE, THE EXCEL SCIENTIFIC AND ENGINEERING COOKBOOK DRAWS ON REAL-WORLD EXAMPLES FROM A RANGE OF SCIENTIFIC DISCIPLINES SUCH AS BIOLOGY, CHEMISTRY, AND PHYSICS. THIS WAY, YOU'LL BE BETTER PREPARED TO SOLVE THE PROBLEMS YOU FACE IN YOUR EVERYDAY SCIENTIFIC OR ENGINEERING TASKS. HIGH ON PRACTICALITY AND LOW ON THEORY, THIS QUICK, LOOK-UP REFERENCE PROVIDES INSTANT SOLUTIONS, OR "RECIPES," TO PROBLEMS BOTH BASIC AND ADVANCED. AND LIKE OTHER BOOKS IN O'REILLY'S POPULAR COOKBOOK FORMAT, EACH RECIPE ALSO INCLUDES A DISCUSSION ON HOW AND WHY IT WORKS. AS A RESULT, YOU CAN TAKE COMFORT IN KNOWING THAT COMPLETE, PRACTICAL ANSWERS ARE A MERE PAGE-FLIP AWAY.

EXCEL HACKS DAVID HAWLEY 2007-06-20 MILLIONS OF USERS CREATE AND SHARE EXCEL SPREADSHEETS EVERY DAY, BUT FEW GO DEEPLY ENOUGH TO LEARN THE TECHNIQUES THAT WILL MAKE THEIR WORK MUCH EASIER. THERE ARE MANY WAYS TO TAKE ADVANTAGE OF EXCEL'S ADVANCED CAPABILITIES WITHOUT SPENDING HOURS ON ADVANCED STUDY. EXCEL HACKS PROVIDES MORE THAN 130 HACKS -- CLEVER TOOLS, TIPS AND TECHNIQUES -- THAT WILL LEAPFROG YOUR WORK BEYOND THE ORDINARY. NOW EXPANDED TO INCLUDE EXCEL 2007, THIS RESOURCEFUL, ROLL-UP-YOUR-SLEEVES GUIDE GIVES YOU LITTLE KNOWN "BACKDOOR" TRICKS FOR SEVERAL EXCEL VERSIONS USING DIFFERENT PLATFORMS AND EXTERNAL APPLICATIONS. THINK OF THIS BOOK AS A TOOLBOX. WHEN A NEED ARISES OR A PROBLEM OCCURS, YOU CAN SIMPLY USE THE RIGHT TOOL FOR THE JOB. HACKS ARE GROUPED INTO CHAPTERS SO YOU CAN FIND WHAT YOU NEED QUICKLY, INCLUDING WAYS TO: REDUCE WORKBOOK AND WORKSHEET FRUSTRATION -- MANAGE HOW USERS INTERACT WITH WORKSHEETS, FIND AND HIGHLIGHT INFORMATION, AND DEAL WITH DEBRIS AND CORRUPTION. ANALYZE AND MANAGE DATA -- EXTEND AND AUTOMATE THESE FEATURES, MOVING BEYOND THE LIMITED TASKS THEY WERE DESIGNED TO PERFORM. HACK NAMES -- LEARN NOT ONLY HOW TO NAME CELLS AND RANGES, BUT ALSO HOW TO CREATE NAMES THAT ADAPT TO THE DATA IN YOUR SPREADSHEET. GET THE MOST OUT OF PIVOT TABLES -- AVOID THE PROBLEMS THAT MAKE THEM FRUSTRATING AND LEARN HOW TO EXTEND THEM. CREATE CUSTOMIZED CHARTS -- TWEAK AND COMBINE EXCEL'S BUILT-IN CHARTING CAPABILITIES. HACK FORMULAS AND FUNCTIONS -- SUBJECTS RANGE FROM MOVING FORMULAS AROUND TO DEALING WITH DATATYPE ISSUES TO IMPROVING RECALCULATION TIME. MAKE THE MOST OF MACROS -- INCLUDING WAYS TO MANAGE THEM AND USE THEM TO EXTEND OTHER FEATURES. USE THE ENHANCED CAPABILITIES OF MICROSOFT OFFICE 2007 TO COMBINE EXCEL WITH WORD, ACCESS, AND OUTLOOK. YOU CAN EITHER BROWSE THROUGH THE BOOK OR READ IT FROM COVER TO COVER, STUDYING THE PROCEDURES AND SCRIPTS TO LEARN MORE ABOUT EXCEL. HOWEVER YOU USE IT, EXCEL HACKS WILL HELP YOU INCREASE PRODUCTIVITY AND GIVE YOU HOURS OF "HACKING" ENJOYMENT ALONG THE WAY.

PYTHON INTERACTIVE COMPUTING AND VISUALIZATION COOKBOOK CYRILLE ROSSANT 2014-09-25 INTENDED TO ANYONE INTERESTED IN NUMERICAL COMPUTING AND DATA SCIENCE: STUDENTS, RESEARCHERS, TEACHERS, ENGINEERS, ANALYSTS, HOBBYISTS... BASIC KNOWLEDGE OF PYTHON/NUMPY IS RECOMMENDED. SOME SKILLS IN MATHEMATICS WILL HELP YOU UNDERSTAND THE THEORY BEHIND THE COMPUTATIONAL METHODS.

HEAD FIRST EXCEL MICHAEL MILTON 2010-03-11 DO YOU USE EXCEL FOR SIMPLE LISTS, BUT GET CONFUSED AND FRUSTRATED WHEN IT COMES TO ACTUALLY DOING SOMETHING USEFUL WITH ALL THAT DATA? STOP TEARING YOUR HAIR OUT: HEAD FIRST EXCEL HELPS YOU PAINLESSLY MOVE FROM SPREADSHEET DABBLER TO SAVVY USER. WHETHER YOU'RE COMPLETELY NEW TO EXCEL OR AN EXPERIENCED USER LOOKING TO MAKE THE PROGRAM WORK BETTER FOR YOU, THIS BOOK WILL HELP YOU INCORPORATE EXCEL INTO EVERY ASPECT OF YOUR WORKFLOW, FROM A SCRATCH PAD FOR DATA-BASED BRAINSTORMING TO EXPLORATORY ANALYSIS WITH PIVOT TABLES, OPTIMIZING OUTCOMES WITH GOAL SEEK, AND PRESENTING YOUR CONCLUSIONS WITH SOPHISTICATED DATA VISUALIZATIONS. ORGANIZE AND CLEARLY PRESENT INFORMATION IN A SPREADSHEET MAKE CALCULATIONS ACROSS A NUMBER OF WORKSHEETS CHANGE YOUR POINT OF VIEW WITH SORTING, ZOOMING, AND FILTERING MANIPULATE NUMERICAL DATA TO EXTRACT AND USE JUST WHAT YOU NEED LEVERAGE EXCEL AS A GRID-BASED LAYOUT PROGRAM WRITE FORMULAS FOR OPTIMAL FUNCTIONALITY NEST FORMULAS FOR MORE COMPLEX OPERATIONS CREATE SOPHISTICATED DATA VISUALIZATIONS WITH CHARTS AND GRAPHS USE GOAL SEEK TO OPTIMIZE POSSIBLE OUTCOMES BASED ON DIFFERENT ASSUMPTIONS CREATE SUMMARIES FROM LARGE DATA SETS FOR EXPLORATORY DATA ANALYSIS WITH PIVOT TABLES WE THINK YOUR TIME IS TOO VALUABLE TO WASTE STRUGGLING WITH NEW CONCEPTS. USING THE LATEST RESEARCH IN COGNITIVE SCIENCE AND LEARNING THEORY TO CRAFT A MULTI-SENSORY LEARNING EXPERIENCE, HEAD FIRST EXCEL USES A VISUALLY RICH FORMAT DESIGNED FOR THE WAY YOUR BRAIN WORKS, RATHER THAN A TEXT-HEAVY APPROACH THAT WILL PUT YOU TO SLEEP.

EXCEL DATA ANALYSIS HECTOR GUERRERO 2018-12-14 THIS BOOK OFFERS A COMPREHENSIVE AND READABLE INTRODUCTION TO MODERN BUSINESS AND DATA ANALYTICS. IT IS BASED ON THE USE OF EXCEL, A TOOL THAT VIRTUALLY ALL STUDENTS AND PROFESSIONALS HAVE ACCESS TO. THE EXPLANATIONS ARE FOCUSED ON UNDERSTANDING THE TECHNIQUES AND THEIR PROPER

APPLICATION, AND ARE SUPPLEMENTED BY A WEALTH OF IN-CHAPTER AND END-OF-CHAPTER EXERCISES. IN ADDITION TO THE GENERAL STATISTICAL METHODS, THE BOOK ALSO INCLUDES MONTE CARLO SIMULATION AND OPTIMIZATION. THE SECOND EDITION HAS BEEN THOROUGHLY REVISED: NEW TOPICS, EXERCISES AND EXAMPLES HAVE BEEN ADDED, AND THE READABILITY HAS BEEN FURTHER IMPROVED. THE BOOK IS PRIMARILY INTENDED FOR STUDENTS IN BUSINESS, ECONOMICS AND GOVERNMENT, AS WELL AS PROFESSIONALS, WHO NEED A MORE RIGOROUS INTRODUCTION TO BUSINESS AND DATA ANALYTICS – YET ALSO NEED TO LEARN THE TOPIC QUICKLY AND WITHOUT OVERLY ACADEMIC EXPLANATIONS.

MITRE SYSTEMS ENGINEERING GUIDE 2012-06-05

ESSENTIALS OF PALEOMAGNETISM LISA TAUXE 2010-03-19 “THIS BOOK BY LISA TAUXE AND OTHERS IS A MARVELOUS TOOL FOR EDUCATION AND RESEARCH IN PALEOMAGNETISM. MANY STUDENTS IN THE U.S. AND AROUND THE WORLD WILL WELCOME THIS PUBLICATION, WHICH WAS PREVIOUSLY ONLY AVAILABLE VIA THE INTERNET. PROFESSOR TAUXE HAS PERFORMED A SERVICE FOR TEACHING AND RESEARCH THAT IS UTTERLY UNIQUE.”—NEIL D. OPDYKE, UNIVERSITY OF FLORIDA

PYTHON FOR DATA ANALYSIS WES MCKINNEY 2017-09-25 GET COMPLETE INSTRUCTIONS FOR MANIPULATING, PROCESSING, CLEANING, AND CRUNCHING DATASETS IN PYTHON. UPDATED FOR PYTHON 3.6, THE SECOND EDITION OF THIS HANDS-ON GUIDE IS PACKED WITH PRACTICAL CASE STUDIES THAT SHOW YOU HOW TO SOLVE A BROAD SET OF DATA ANALYSIS PROBLEMS EFFECTIVELY. YOU’LL LEARN THE LATEST VERSIONS OF PANDAS, NUMPY, IPYTHON, AND JUPYTER IN THE PROCESS. WRITTEN BY WES MCKINNEY, THE CREATOR OF THE PYTHON PANDAS PROJECT, THIS BOOK IS A PRACTICAL, MODERN INTRODUCTION TO DATA SCIENCE TOOLS IN PYTHON. IT’S IDEAL FOR ANALYSTS NEW TO PYTHON AND FOR PYTHON PROGRAMMERS NEW TO DATA SCIENCE AND SCIENTIFIC COMPUTING. DATA FILES AND RELATED MATERIAL ARE AVAILABLE ON GITHUB. USE THE IPYTHON SHELL AND JUPYTER NOTEBOOK FOR EXPLORATORY COMPUTING LEARN BASIC AND ADVANCED FEATURES IN NUMPY (NUMERICAL PYTHON) GET STARTED WITH DATA ANALYSIS TOOLS IN THE PANDAS LIBRARY USE FLEXIBLE TOOLS TO LOAD, CLEAN, TRANSFORM, MERGE, AND RESHAPE DATA CREATE INFORMATIVE VISUALIZATIONS WITH MATPLOTLIB APPLY THE PANDAS GROUPBY FACILITY TO SLICE, DICE, AND SUMMARIZE DATASETS ANALYZE AND MANIPULATE REGULAR AND IRREGULAR TIME SERIES DATA LEARN HOW TO SOLVE REAL-WORLD DATA ANALYSIS PROBLEMS WITH THOROUGH, DETAILED EXAMPLES

TECHNICAL WRITING PHILLIP A. LAPLANTE 2018-07-27 TECHNICAL WRITING: A PRACTICAL GUIDE FOR ENGINEERS, SCIENTISTS, AND Nontechnical PROFESSIONALS, SECOND EDITION ENABLES READERS TO WRITE, EDIT, AND PUBLISH MATERIALS OF A TECHNICAL NATURE, INCLUDING BOOKS, ARTICLES, REPORTS, AND ELECTRONIC MEDIA. WRITTEN BY A RENOWNED ENGINEER AND WIDELY PUBLISHED TECHNICAL AUTHOR, THIS GUIDE COMPLEMENTS TRADITIONAL WRITER’S REFERENCE MANUALS ON TECHNICAL WRITING THROUGH PRESENTATION OF FIRST-HAND EXAMPLES THAT HELP READERS UNDERSTAND PRACTICAL CONSIDERATIONS IN WRITING AND PRODUCING TECHNICAL CONTENT. THESE EXAMPLES ILLUSTRATE HOW A PUBLICATION ORIGINATES AS WELL AS VARIOUS CHALLENGES AND SOLUTIONS. THE SECOND EDITION CONTAINS NEW MATERIAL IN EVERY CHAPTER INCLUDING NEW TOPICS, ADDITIONAL EXAMPLES, INSIGHTS, TIPS AND TRICKS, NEW VIGNETTES AND MORE EXERCISES. APPENDICES HAVE BEEN ADDED FOR WRITING CHECKLISTS AND WRITING SAMPLES. THE REFERENCES AND GLOSSARY HAVE BEEN UPDATED AND EXPANDED. IN ADDITION, A FOCUS ON WRITING FOR THE Nontechnical PERSONS WORKING IN THE TECHNOLOGY WORLD AND THE NONNATIVE ENGLISH SPEAKER HAS BEEN INCORPORATED. WRITTEN IN AN INFORMAL, CONVERSATIONAL STYLE, UNLIKE TRADITIONAL COLLEGE WRITING TEXTS, THE BOOK ALSO CONTAINS MANY INTERESTING VIGNETTES AND PERSONAL STORIES TO ADD INTEREST TO OTHERWISE STODGY LESSONS.

INTRODUCING MICROSOFT POWER BI ALBERTO FERRARI 2016-07-07 THIS IS THE eBook OF THE PRINTED BOOK AND MAY NOT INCLUDE ANY MEDIA, WEBSITE ACCESS CODES, OR PRINT SUPPLEMENTS THAT MAY COME PACKAGED WITH THE BOUND BOOK. INTRODUCING MICROSOFT POWER BI ENABLES YOU TO EVALUATE WHEN AND HOW TO USE POWER BI. GET INSPIRED TO IMPROVE BUSINESS PROCESSES IN YOUR COMPANY BY LEVERAGING THE AVAILABLE ANALYTICAL AND COLLABORATIVE FEATURES OF THIS ENVIRONMENT. BE SURE TO WATCH FOR THE PUBLICATION OF ALBERTO FERRARI AND MARCO RUSSO’S UPCOMING RETAIL BOOK, ANALYZING DATA WITH POWER BI AND POWER PIVOT FOR EXCEL (ISBN 9781509302765). GO TO THE BOOK’S PAGE AT THE MICROSOFT PRESS STORE HERE FOR MORE DETAILS:[HTTP://AKA.MS/ANALYZINGDATA/DETAILS](http://aka.ms/analyzingdata/details). LEARN MORE ABOUT POWER BI AT [HTTPS://POWERBI.MICROSOFT.COM/](https://powerbi.microsoft.com/).

EXCEL 2019 POWER PROGRAMMING WITH VBA MICHAEL ALEXANDER 2019-05-14 MAXIMIZE YOUR EXCEL EXPERIENCE WITH VBA EXCEL 2019 POWER PROGRAMMING WITH VBA IS FULLY UPDATED TO COVER ALL THE LATEST TOOLS AND TRICKS OF EXCEL 2019. ENCOMPASSING AN ANALYSIS OF EXCEL APPLICATION DEVELOPMENT AND A COMPLETE INTRODUCTION TO VISUAL BASIC FOR APPLICATIONS (VBA), THIS COMPREHENSIVE BOOK PRESENTS ALL OF THE TECHNIQUES YOU NEED TO DEVELOP BOTH LARGE AND SMALL EXCEL APPLICATIONS. OVER 800 PAGES OF TIPS, TRICKS, AND BEST PRACTICES SHED LIGHT ON KEY TOPICS, SUCH AS THE EXCEL INTERFACE, FILE FORMATS, ENHANCED INTERACTIVITY WITH OTHER OFFICE APPLICATIONS, AND IMPROVED

COLLABORATION FEATURES. UNDERSTANDING HOW TO LEVERAGE VBA TO IMPROVE YOUR EXCEL PROGRAMMING SKILLS CAN ENHANCE THE QUALITY OF DELIVERABLES THAT YOU PRODUCE—AND CAN HELP YOU TAKE YOUR CAREER TO THE NEXT LEVEL. EXPLORE FULLY UPDATED CONTENT THAT OFFERS COMPREHENSIVE COVERAGE THROUGH OVER 900 PAGES OF TIPS, TRICKS, AND TECHNIQUES LEVERAGE TEMPLATES AND WORKSHEETS THAT PUT YOUR NEW KNOWLEDGE IN ACTION, AND REINFORCE THE SKILLS INTRODUCED IN THE TEXT IMPROVE YOUR CAPABILITIES REGARDING EXCEL PROGRAMMING WITH VBA, UNLOCKING MORE OF YOUR POTENTIAL IN THE OFFICE EXCEL 2019 POWER PROGRAMMING WITH VBA IS A FUNDAMENTAL RESOURCE FOR INTERMEDIATE TO ADVANCED USERS WHO WANT TO POLISH THEIR SKILLS REGARDING SPREADSHEET APPLICATIONS USING VBA.