

Text Data Management And Analysis A Practical Introduction To Information Retrieval And Text Mining

AS RECOGNIZED, ADVENTURE AS SKILLFULLY AS EXPERIENCE VIRTUALLY LESSON, AMUSEMENT, AS SKILLFULLY AS SETTLEMENT CAN BE GOTTEN BY JUST CHECKING OUT A BOOK **TEXT DATA MANAGEMENT AND ANALYSIS A PRACTICAL INTRODUCTION TO INFORMATION RETRIEVAL AND TEXT MINING** THEN IT IS NOT DIRECTLY DONE, YOU COULD ADMIT EVEN MORE GOING ON FOR THIS LIFE, MORE OR LESS THE WORLD.

WE FIND THE MONEY FOR YOU THIS PROPER AS WITHOUT DIFFICULTY AS SIMPLE WAY TO ACQUIRE THOSE ALL. WE HAVE ENOUGH MONEY **TEXT DATA MANAGEMENT AND ANALYSIS A PRACTICAL INTRODUCTION TO INFORMATION RETRIEVAL AND TEXT MINING** AND NUMEROUS BOOKS COLLECTIONS FROM FICTIONS TO SCIENTIFIC RESEARCH IN ANY WAY. IN THE MIDST OF THEM IS THIS **TEXT DATA MANAGEMENT AND ANALYSIS A PRACTICAL INTRODUCTION TO INFORMATION RETRIEVAL AND TEXT MINING** THAT CAN BE YOUR PARTNER.

RECENT STUDIES ON RISK ANALYSIS AND STATISTICAL MODELING - TERESA A. OLIVEIRA 2018-08-22

THIS BOOK PROVIDES AN OVERVIEW OF THE LATEST DEVELOPMENTS IN THE FIELD OF RISK ANALYSIS (RA). STATISTICAL METHODOLOGIES HAVE LONG-SINCE BEEN EMPLOYED AS CRUCIAL DECISION SUPPORT TOOLS IN RA. THUS, IN THE CONTEXT OF THIS NEW CENTURY, CHARACTERIZED BY A VARIETY OF DAILY RISKS - FROM SECURITY TO HEALTH RISKS - THE IMPORTANCE OF EXPLORING THEORETICAL AND APPLIED ISSUES CONNECTING RA AND STATISTICAL MODELING (SM) IS SELF-EVIDENT. IN ADDITION TO DISCUSSING THE LATEST METHODOLOGICAL ADVANCES IN THESE AREAS, THE BOOK EXPLORES APPLICATIONS IN A BROAD RANGE OF SETTINGS, SUCH AS MEDICINE, BIOLOGY, INSURANCE, PHARMACOLOGY AND AGRICULTURE, WHILE ALSO FOSTERING APPLICATIONS IN NEWLY EMERGING AREAS. THIS BOOK IS INTENDED FOR GRADUATE STUDENTS AS WELL AS QUANTITATIVE RESEARCHERS IN THE AREA OF RA.

STATISTICAL LANGUAGE MODELS FOR INFORMATION RETRIEVAL - CHENGXIANG ZHAI 2022-05-31

AS ONLINE INFORMATION GROWS DRAMATICALLY, SEARCH ENGINES SUCH AS GOOGLE ARE PLAYING A MORE AND MORE IMPORTANT ROLE IN OUR LIVES. CRITICAL TO ALL SEARCH ENGINES IS THE PROBLEM OF DESIGNING AN EFFECTIVE RETRIEVAL MODEL THAT CAN RANK DOCUMENTS ACCURATELY FOR A GIVEN QUERY. THIS HAS BEEN A CENTRAL RESEARCH PROBLEM IN INFORMATION RETRIEVAL FOR SEVERAL DECADES. IN THE PAST TEN YEARS, A NEW GENERATION OF RETRIEVAL MODELS, OFTEN REFERRED TO AS STATISTICAL LANGUAGE MODELS, HAS BEEN SUCCESSFULLY APPLIED TO SOLVE MANY DIFFERENT INFORMATION RETRIEVAL PROBLEMS. COMPARED WITH THE TRADITIONAL MODELS SUCH AS THE VECTOR SPACE MODEL, THESE NEW MODELS HAVE A MORE SOUND STATISTICAL FOUNDATION AND CAN LEVERAGE STATISTICAL ESTIMATION TO OPTIMIZE RETRIEVAL PARAMETERS. THEY CAN ALSO BE MORE EASILY ADAPTED TO MODEL NON-TRADITIONAL AND COMPLEX RETRIEVAL PROBLEMS. EMPIRICALLY, THEY TEND TO ACHIEVE COMPARABLE OR BETTER PERFORMANCE THAN A TRADITIONAL MODEL WITH LESS EFFORT ON PARAMETER TUNING. THIS BOOK SYSTEMATICALLY REVIEWS THE LARGE BODY OF LITERATURE ON APPLYING STATISTICAL LANGUAGE MODELS TO INFORMATION RETRIEVAL WITH AN EMPHASIS ON THE UNDERLYING PRINCIPLES, EMPIRICALLY EFFECTIVE LANGUAGE MODELS, AND LANGUAGE MODELS DEVELOPED FOR NON-TRADITIONAL RETRIEVAL TASKS. ALL THE RELEVANT LITERATURE HAS BEEN SYNTHESIZED TO MAKE IT EASY FOR A READER TO DIGEST THE RESEARCH PROGRESS ACHIEVED SO FAR AND SEE THE FRONTIER OF RESEARCH IN THIS AREA. THE BOOK ALSO OFFERS PRACTITIONERS AN INFORMATIVE INTRODUCTION TO A SET OF PRACTICALLY USEFUL LANGUAGE MODELS THAT CAN EFFECTIVELY SOLVE A VARIETY OF RETRIEVAL PROBLEMS. NO PRIOR KNOWLEDGE ABOUT INFORMATION RETRIEVAL IS REQUIRED, BUT SOME BASIC KNOWLEDGE ABOUT PROBABILITY AND STATISTICS WOULD BE USEFUL FOR FULLY DIGESTING ALL THE DETAILS. TABLE OF CONTENTS: INTRODUCTION / OVERVIEW OF INFORMATION RETRIEVAL MODELS / SIMPLE QUERY LIKELIHOOD RETRIEVAL MODEL / COMPLEX QUERY LIKELIHOOD MODEL / PROBABILISTIC DISTANCE RETRIEVAL MODEL / LANGUAGE MODELS FOR SPECIAL RETRIEVAL TASKS / LANGUAGE MODELS FOR LATENT TOPIC ANALYSIS / CONCLUSIONS **BIG DATA MANAGEMENT, TECHNOLOGIES, AND APPLICATIONS** - HU, WEN-CHEN 2013-10-31

"THIS BOOK DISCUSSES THE EXPONENTIAL GROWTH OF INFORMATION SIZE AND THE INNOVATIVE METHODS FOR DATA CAPTURE, STORAGE, SHARING, AND ANALYSIS FOR BIG DATA"--PROVIDED BY PUBLISHER.

MANAGING DATA IN MOTION - APRIL REEVE 2013-02-26

MANAGING DATA IN MOTION DESCRIBES TECHNIQUES THAT HAVE BEEN DEVELOPED FOR SIGNIFICANTLY REDUCING THE COMPLEXITY OF MANAGING SYSTEM INTERFACES AND ENABLING SCALABLE ARCHITECTURES. AUTHOR APRIL REEVE BRINGS OVER TWO DECADES OF EXPERIENCE TO PRESENT A VENDOR-NEUTRAL APPROACH TO MOVING DATA BETWEEN COMPUTING ENVIRONMENTS AND SYSTEMS. READERS WILL LEARN THE TECHNIQUES, TECHNOLOGIES, AND BEST PRACTICES FOR MANAGING THE PASSAGE OF DATA BETWEEN COMPUTER SYSTEMS AND INTEGRATING DISPARATE DATA TOGETHER IN AN ENTERPRISE ENVIRONMENT. THE AVERAGE ENTERPRISE'S COMPUTING ENVIRONMENT IS COMPRISED OF HUNDREDS TO THOUSANDS COMPUTER SYSTEMS THAT HAVE BEEN BUILT, PURCHASED, AND ACQUIRED OVER TIME. THE DATA FROM THESE VARIOUS SYSTEMS NEEDS TO BE INTEGRATED FOR REPORTING AND ANALYSIS, SHARED FOR BUSINESS TRANSACTION PROCESSING, AND CONVERTED FROM ONE FORMAT TO ANOTHER WHEN OLD SYSTEMS ARE REPLACED AND NEW SYSTEMS ARE ACQUIRED. THE MANAGEMENT OF THE "DATA IN MOTION" IN ORGANIZATIONS IS RAPIDLY BECOMING ONE OF THE BIGGEST CONCERNS FOR BUSINESS AND IT MANAGEMENT. DATA WAREHOUSING AND CONVERSION, REAL-TIME DATA INTEGRATION, AND CLOUD AND "BIG DATA" APPLICATIONS ARE JUST A FEW OF THE CHALLENGES FACING ORGANIZATIONS AND BUSINESSES TODAY. MANAGING DATA IN MOTION TACKLES THESE AND OTHER TOPICS IN A STYLE EASILY UNDERSTOOD BY BUSINESS AND IT MANAGERS AS WELL AS PROGRAMMERS AND ARCHITECTS. PRESENTS A VENDOR-NEUTRAL OVERVIEW OF THE DIFFERENT TECHNOLOGIES AND TECHNIQUES FOR MOVING DATA BETWEEN COMPUTER SYSTEMS INCLUDING THE EMERGING SOLUTIONS FOR UNSTRUCTURED AS WELL AS STRUCTURED DATA TYPES EXPLAINS, IN NON-TECHNICAL TERMS, THE ARCHITECTURE AND COMPONENTS REQUIRED TO PERFORM DATA INTEGRATION DESCRIBES HOW TO REDUCE THE COMPLEXITY OF

MANAGING SYSTEM INTERFACES AND ENABLE A SCALABLE DATA ARCHITECTURE THAT CAN HANDLE THE DIMENSIONS OF "BIG DATA"

TAPPING INTO UNSTRUCTURED DATA - WILLIAM H. INMON 2007-12-11

THE DEFINITIVE GUIDE TO UNSTRUCTURED DATA MANAGEMENT AND ANALYSIS--FROM THE WORLD'S LEADING INFORMATION MANAGEMENT EXPERT A WEALTH OF INVALUABLE INFORMATION EXISTS IN UNSTRUCTURED TEXTUAL FORM, BUT ORGANIZATIONS HAVE FOUND IT DIFFICULT OR IMPOSSIBLE TO ACCESS AND UTILIZE IT. THIS IS CHANGING RAPIDLY: NEW APPROACHES FINALLY MAKE IT POSSIBLE TO GLEAN USEFUL KNOWLEDGE FROM VIRTUALLY ANY COLLECTION OF UNSTRUCTURED DATA. WILLIAM H. INMON--THE FATHER OF DATA WAREHOUSING--AND ANTHONY NESAVICH INTRODUCE THE NEXT DATA REVOLUTION: UNSTRUCTURED DATA MANAGEMENT. INMON AND NESAVICH COVER ALL YOU NEED TO KNOW TO MAKE UNSTRUCTURED DATA WORK FOR YOUR ORGANIZATION. YOU'LL LEARN HOW TO BRING IT INTO YOUR EXISTING STRUCTURED DATA ENVIRONMENT, LEVERAGE EXISTING ANALYTICAL INFRASTRUCTURE, AND IMPLEMENT TEXTUAL ANALYTIC PROCESSING TECHNOLOGIES TO SOLVE NEW PROBLEMS AND UNCOVER NEW OPPORTUNITIES. INMON AND NESAVICH INTRODUCE BREAKTHROUGH TECHNIQUES COVERED IN NO OTHER BOOK--INCLUDING THE POWERFUL ROLE OF TEXTUAL INTEGRATION, NEW WAYS TO INTEGRATE TEXTUAL DATA INTO DATA WAREHOUSES, AND NEW SQL TECHNIQUES FOR READING AND ANALYZING TEXT. THEY ALSO PRESENT FIVE CHAPTER-LENGTH, REAL-WORLD CASE STUDIES--DEMONSTRATING UNSTRUCTURED DATA AT WORK IN MEDICAL RESEARCH, INSURANCE, CHEMICAL MANUFACTURING, CONTRACTING, AND BEYOND. THIS BOOK WILL BE INDISPENSABLE TO EVERY BUSINESS AND TECHNICAL PROFESSIONAL TRYING TO MAKE SENSE OF A LARGE BODY OF UNSTRUCTURED TEXT: MANAGERS, DATABASE DESIGNERS, DATA MODELERS, DBAs, RESEARCHERS, AND END USERS ALIKE. COVERAGE INCLUDES WHAT UNSTRUCTURED DATA IS, AND HOW IT DIFFERS FROM STRUCTURED DATA FIRST GENERATION TECHNOLOGY FOR HANDLING UNSTRUCTURED DATA, FROM SEARCH ENGINES TO ECM--AND ITS LIMITATIONS INTEGRATING TEXT SO IT CAN BE ANALYZED WITH A COMMON, COLLOQUIAL VOCABULARY: INTEGRATION ENGINES, ONTOLOGIES, GLOSSARIES, AND TAXONOMIES PROCESSING SEMISTRUCTURED DATA: UNCOVERING PATTERNS, WORDS, IDENTIFIERS, AND CONFLICTS NOVEL PROCESSING OPPORTUNITIES THAT ARISE WHEN TEXT IS FREED FROM CONTEXT ARCHITECTURE AND UNSTRUCTURED DATA: DATA WAREHOUSING 2.0 BUILDING UNSTRUCTURED RELATIONAL DATABASES AND LINKING THEM TO STRUCTURED DATA VISUALIZATIONS AND SELF-ORGANIZING MAPS (SOMs), INCLUDING COMPUDIGM AND RAPTOR SOLUTIONS CAPTURING KNOWLEDGE FROM SPREADSHEET DATA AND EMAIL IMPLEMENTING AND MANAGING METADATA: DATA MODELS, DATA QUALITY, AND MORE

DATA MANAGEMENT USING STATA - MICHAEL N MITCHELL 2020-06-25

THIS SECOND EDITION OF DATA MANAGEMENT USING STATA FOCUSES ON TASKS THAT BRIDGE THE GAP BETWEEN RAW DATA AND STATISTICAL ANALYSIS. IT HAS BEEN UPDATED THROUGHOUT TO REFLECT NEW DATA MANAGEMENT FEATURES THAT HAVE BEEN ADDED OVER THE LAST 10 YEARS. SUCH FEATURES INCLUDE THE ABILITY TO READ AND WRITE A WIDE VARIETY OF FILE FORMATS, THE ABILITY TO WRITE HIGHLY CUSTOMIZED EXCEL FILES, THE ABILITY TO HAVE MULTIPLE STATA DATASETS OPEN AT ONCE, AND THE ABILITY TO STORE AND MANIPULATE STRING VARIABLES STORED AS UNICODE. FURTHER, THIS NEW EDITION INCLUDES A NEW CHAPTER ILLUSTRATING HOW TO WRITE STATA PROGRAMS FOR SOLVING DATA MANAGEMENT TASKS. AS IN THE ORIGINAL EDITION, THE CHAPTERS ARE ORGANIZED BY DATA MANAGEMENT AREAS: READING AND WRITING DATASETS, CLEANING DATA, LABELING DATASETS, CREATING VARIABLES, COMBINING DATASETS, PROCESSING OBSERVATIONS ACROSS SUBGROUPS, CHANGING THE SHAPE OF DATASETS, AND PROGRAMMING FOR DATA MANAGEMENT. WITHIN EACH CHAPTER, EACH SECTION IS A SELF-CONTAINED LESSON ILLUSTRATING A PARTICULAR DATA MANAGEMENT TASK (FOR INSTANCE, CREATING DATE VARIABLES OR AUTOMATING ERROR CHECKING) VIA EXAMPLES. THIS MODULAR DESIGN ALLOWS YOU TO QUICKLY IDENTIFY AND IMPLEMENT THE MOST COMMON DATA MANAGEMENT TASKS WITHOUT HAVING TO READ BACKGROUND INFORMATION FIRST. IN ADDITION TO THE "NUTS AND BOLTS" EXAMPLES, AUTHOR MICHAEL MITCHELL ALERTS USERS TO COMMON PITFALLS (AND HOW TO AVOID THEM) AND PROVIDES STRATEGIC DATA MANAGEMENT ADVICE. THIS BOOK CAN BE USED AS A QUICK REFERENCE FOR SOLVING PROBLEMS AS THEY ARISE OR CAN BE READ AS A MEANS FOR LEARNING COMPREHENSIVE DATA MANAGEMENT SKILLS. NEW USERS WILL APPRECIATE THIS BOOK AS A VALUABLE WAY TO LEARN DATA MANAGEMENT, WHILE EXPERIENCED USERS WILL FIND THIS INFORMATION TO BE HANDY AND TIME SAVING--THERE IS A GOOD CHANCE THAT EVEN THE EXPERIENCED USER WILL LEARN SOME NEW TRICKS.

TEXT ANALYTICS - JOHN ATKINSON-ABUTRIDY 2022-05-03

TEXT ANALYTICS: AN INTRODUCTION TO THE SCIENCE AND APPLICATIONS OF UNSTRUCTURED INFORMATION ANALYSIS IS A CONCISE AND ACCESSIBLE INTRODUCTION TO THE SCIENCE AND APPLICATIONS OF TEXT ANALYTICS (OR TEXT MINING), WHICH ENABLES AUTOMATIC KNOWLEDGE DISCOVERY FROM UNSTRUCTURED INFORMATION SOURCES, FOR BOTH INDUSTRIAL AND ACADEMIC PURPOSES. THE BOOK INTRODUCES THE MAIN CONCEPTS, MODELS, AND COMPUTATIONAL TECHNIQUES THAT ENABLE THE READER TO SOLVE REAL

DECISION-MAKING PROBLEMS ARISING FROM TEXTUAL AND/OR DOCUMENTARY SOURCES. FEATURES: EASY-TO-FOLLOW STEP-BY-STEP CONCEPTS AND METHODS EVERY CHAPTER IS INTRODUCED IN A VERY GENTLE AND INTUITIVE WAY SO STUDENTS CAN UNDERSTAND THE WHYS, WHAT-IFs, WHAT-IS-THIS-FORS, HOWs, ETC. BY THEMSELVES PRACTICAL PROGRAMMING EXERCISES IN PYTHON FOR EACH CHAPTER INCLUDES THEORY AND PRACTICE FOR EVERY CHAPTER, SUMMARIES, PRACTICAL CODING EXERCISES FOR TARGET PROBLEMS, QA, AND SAMPLE CODE AND DATA AVAILABLE FOR DOWNLOAD AT [HTTPS://WWW.ROUTLEDGE.COM/ATKINSON-ABUTRIDY/P/BOOK/9781032249797](https://www.routledge.com/Atkinson-Abutridy/p/book/9781032249797)

TEXT DATA MANAGEMENT AND ANALYSIS - CHENGXIANG ZHAI 2016-06-30

RECENT YEARS HAVE SEEN A DRAMATIC GROWTH OF NATURAL LANGUAGE TEXT DATA, INCLUDING WEB PAGES, NEWS ARTICLES, SCIENTIFIC LITERATURE, EMAILS, ENTERPRISE DOCUMENTS, AND SOCIAL MEDIA SUCH AS BLOG ARTICLES, FORUM POSTS, PRODUCT REVIEWS, AND TWEETS. THIS HAS LED TO AN INCREASING DEMAND FOR POWERFUL SOFTWARE TOOLS TO HELP PEOPLE ANALYZE AND MANAGE VAST AMOUNTS OF TEXT DATA EFFECTIVELY AND EFFICIENTLY. UNLIKE DATA GENERATED BY A COMPUTER SYSTEM OR SENSORS, TEXT DATA ARE USUALLY GENERATED DIRECTLY BY HUMANS, AND ARE ACCOMPANIED BY SEMANTICALLY RICH CONTENT. AS SUCH, TEXT DATA ARE ESPECIALLY VALUABLE FOR DISCOVERING KNOWLEDGE ABOUT HUMAN OPINIONS AND PREFERENCES, IN ADDITION TO MANY OTHER KINDS OF KNOWLEDGE THAT WE ENCODE IN TEXT. IN CONTRAST TO STRUCTURED DATA, WHICH CONFORM TO WELL-DEFINED SCHEMAS (THUS ARE RELATIVELY EASY FOR COMPUTERS TO HANDLE), TEXT HAS LESS EXPLICIT STRUCTURE, REQUIRING COMPUTER PROCESSING TOWARD UNDERSTANDING OF THE CONTENT ENCODED IN TEXT. THE CURRENT TECHNOLOGY OF NATURAL LANGUAGE PROCESSING HAS NOT YET REACHED A POINT TO ENABLE A COMPUTER TO PRECISELY UNDERSTAND NATURAL LANGUAGE TEXT, BUT A WIDE RANGE OF STATISTICAL AND HEURISTIC APPROACHES TO ANALYSIS AND MANAGEMENT OF TEXT DATA HAVE BEEN DEVELOPED OVER THE PAST FEW DECADES. THEY ARE USUALLY VERY ROBUST AND CAN BE APPLIED TO ANALYZE AND MANAGE TEXT DATA IN ANY NATURAL LANGUAGE, AND ABOUT ANY TOPIC. THIS BOOK PROVIDES A SYSTEMATIC INTRODUCTION TO ALL THESE APPROACHES, WITH AN EMPHASIS ON COVERING THE MOST USEFUL KNOWLEDGE AND SKILLS REQUIRED TO BUILD A VARIETY OF PRACTICALLY USEFUL TEXT INFORMATION SYSTEMS. THE FOCUS IS ON TEXT MINING APPLICATIONS THAT CAN HELP USERS ANALYZE PATTERNS IN TEXT DATA TO EXTRACT AND REVEAL USEFUL KNOWLEDGE. INFORMATION RETRIEVAL SYSTEMS, INCLUDING SEARCH ENGINES AND RECOMMENDER SYSTEMS, ARE ALSO COVERED AS SUPPORTING TECHNOLOGY FOR TEXT MINING APPLICATIONS. THE BOOK COVERS THE MAJOR CONCEPTS, TECHNIQUES, AND IDEAS IN TEXT DATA MINING AND INFORMATION RETRIEVAL FROM A PRACTICAL VIEWPOINT, AND INCLUDES MANY HANDS-ON EXERCISES DESIGNED WITH A COMPANION SOFTWARE TOOLKIT (I.E., META) TO HELP READERS LEARN HOW TO APPLY TECHNIQUES OF TEXT MINING AND INFORMATION RETRIEVAL TO REAL-WORLD TEXT DATA AND HOW TO EXPERIMENT WITH AND IMPROVE SOME OF THE ALGORITHMS FOR INTERESTING APPLICATION TASKS. THE BOOK CAN BE USED AS A TEXTBOOK FOR A COMPUTER SCIENCE UNDERGRADUATE COURSE OR A REFERENCE BOOK FOR PRACTITIONERS WORKING ON RELEVANT PROBLEMS IN ANALYZING AND MANAGING TEXT DATA.

R FOR DATA SCIENCE - HADLEY WICKHAM 2016-12-12

LEARN HOW TO USE R TO TURN RAW DATA INTO INSIGHT, KNOWLEDGE, AND UNDERSTANDING. THIS BOOK INTRODUCES YOU TO R, RSTUDIO, AND THE TIDYVERSE, A COLLECTION OF R PACKAGES DESIGNED TO WORK TOGETHER TO MAKE DATA SCIENCE FAST, FLUENT, AND FUN. SUITABLE FOR READERS WITH NO PREVIOUS PROGRAMMING EXPERIENCE, R FOR DATA SCIENCE IS DESIGNED TO GET YOU DOING DATA SCIENCE AS QUICKLY AS POSSIBLE. AUTHORS HADLEY WICKHAM AND GARRETT GROLEMUND GUIDE YOU THROUGH THE STEPS OF IMPORTING, WRANGLING, EXPLORING, AND MODELING YOUR DATA AND COMMUNICATING THE RESULTS. YOU'LL GET A COMPLETE, BIG-PICTURE UNDERSTANDING OF THE DATA SCIENCE CYCLE, ALONG WITH BASIC TOOLS YOU NEED TO MANAGE THE DETAILS. EACH SECTION OF THE BOOK IS PAIRED WITH EXERCISES TO HELP YOU PRACTICE WHAT YOU'VE LEARNED ALONG THE WAY. YOU'LL LEARN HOW TO: WRANGLE—TRANSFORM YOUR DATASETS INTO A FORM CONVENIENT FOR ANALYSIS PROGRAM—LEARN POWERFUL R TOOLS FOR SOLVING DATA PROBLEMS WITH GREATER CLARITY AND EASE EXPLORE—EXAMINE YOUR DATA, GENERATE HYPOTHESES, AND QUICKLY TEST THEM MODEL—PROVIDE A LOW-DIMENSIONAL SUMMARY THAT CAPTURES TRUE “SIGNALS” IN YOUR DATASET COMMUNICATE—LEARN R MARKDOWN FOR INTEGRATING PROSE, CODE, AND RESULTS

DATA COLLECTION AND MANAGEMENT - MAGDA STOUTHAMER-LOEBER 1995-08-08

TIRED OF A TRIAL-AND-ERROR APPROACH TO COLLECTING AND MANAGING DATA? DATA COLLECTION AND MANAGEMENT OFFERS HELPFUL INFORMATION ON MANAGING RESEARCH PROJECTS. BY STRESSING HOW TO USE GOOD STANDARDS FOR DATA COLLECTING AND PROCESSING, THE AUTHORS COVER SUCH IMPORTANT HOW-TOS AS PLANNING RESEARCH ACTIVITIES; MAKING BUDGETARY DECISIONS AND KEEPING THE BUDGET UNDER CONTROL; HIRING, TRAINING, AND SUPERVISING FIELD INTERVIEWING STAFF; ESTABLISHING WHETHER INTERVIEWERS ARE READY TO START INTERVIEWING; AND ENSURING HIGH PARTICIPANT ACQUISITION AND RETENTION RATES. THE BOOK ALSO COVERS USING COMPUTERIZED INFORMATION SYSTEMS FOR TRACKING DATA COLLECTED AND THE DATA MANAGEMENT PROCESS. PROPOSAL WRITERS, PRINCIPAL INVESTIGATORS, GRADUATE RESEARCH STUDENTS, AND PROJECT COORDINATORS OF RESEARCH REQUIRING LARGE-SCALE FIELD DATA COLLECTION WILL FIND THE BOOK TO BE AN INDISPENSABLE TOOL.

MOBILITY DATA MANAGEMENT AND EXPLORATION - NIKOS PELEKIS 2014-07-08

THIS TEXT INTEGRATES DIFFERENT MOBILITY DATA HANDLING PROCESSES, FROM DATABASE MANAGEMENT TO MULTI-DIMENSIONAL ANALYSIS AND MINING, INTO A UNIFIED PRESENTATION DRIVEN BY THE SPECTRUM OF REQUIREMENTS RAISED BY REAL-WORLD APPLICATIONS. IT PRESENTS A STEP-BY-STEP METHODOLOGY TO UNDERSTAND AND EXPLOIT MOBILITY DATA: COLLECTING AND CLEANSING DATA, STORAGE IN MOVING OBJECT DATABASE (MOD) ENGINES, INDEXING, PROCESSING, ANALYZING AND MINING MOBILITY DATA. EMERGING ISSUES, SUCH AS SEMANTIC AND PRIVACY-AWARE QUERYING AND MINING AS WELL AS DISTRIBUTED DATA PROCESSING, ARE ALSO COVERED. THEORETICAL PRESENTATION IS SMOOTHLY INTERCHANGED WITH HANDS-ON EXERCISES AND CASE STUDIES INVOLVING AN ACTUAL MOD ENGINE. THE AUTHORS ARE ESTABLISHED EXPERTS WHO ADDRESS BOTH THEORETICAL AND PRACTICAL DIMENSIONS OF THE FIELD BUT ALSO PRESENT VALUABLE PROTOTYPE SOFTWARE. THE BACKGROUND CONTEXT, CLEAR EXPLANATIONS

AND SAMPLE EXERCISES MAKE THIS AN IDEAL TEXTBOOK FOR GRADUATE STUDENTS STUDYING DATABASE MANAGEMENT, DATA MINING AND GEOGRAPHIC INFORMATION SYSTEMS.

PRACTICAL GUIDE TO CLINICAL DATA MANAGEMENT - SUSANNE PROKSCHA 2011-10-26

THE MANAGEMENT OF CLINICAL DATA, FROM ITS COLLECTION DURING A TRIAL TO ITS EXTRACTION FOR ANALYSIS, HAS BECOME A CRITICAL ELEMENT IN THE STEPS TO PREPARE A REGULATORY SUBMISSION AND TO OBTAIN APPROVAL TO MARKET A TREATMENT. GROUNDBREAKING ON ITS INITIAL PUBLICATION NEARLY FOURTEEN YEARS AGO, AND EVOLVING WITH THE FIELD IN EACH ITERATION SINCE THEN, *DAMA-DMBOK* - DAMA INTERNATIONAL 2017

DEFINING A SET OF GUIDING PRINCIPLES FOR DATA MANAGEMENT AND DESCRIBING HOW THESE PRINCIPLES CAN BE APPLIED WITHIN DATA MANAGEMENT FUNCTIONAL AREAS; PROVIDING A FUNCTIONAL FRAMEWORK FOR THE IMPLEMENTATION OF ENTERPRISE DATA MANAGEMENT PRACTICES; INCLUDING WIDELY ADOPTED PRACTICES, METHODS AND TECHNIQUES, FUNCTIONS, ROLES, DELIVERABLES AND METRICS; ESTABLISHING A COMMON VOCABULARY FOR DATA MANAGEMENT CONCEPTS AND SERVING AS THE BASIS FOR BEST PRACTICES FOR DATA MANAGEMENT PROFESSIONALS. DAMA-DMBOK2 PROVIDES DATA MANAGEMENT AND IT PROFESSIONALS, EXECUTIVES, KNOWLEDGE WORKERS, EDUCATORS, AND RESEARCHERS WITH A FRAMEWORK TO MANAGE THEIR DATA AND MATURE THEIR INFORMATION INFRASTRUCTURE, BASED ON THESE PRINCIPLES: DATA IS AN ASSET WITH UNIQUE PROPERTIES; THE VALUE OF DATA CAN BE AND SHOULD BE EXPRESSED IN ECONOMIC TERMS; MANAGING DATA MEANS MANAGING THE QUALITY OF DATA; IT TAKES METADATA TO MANAGE DATA; IT TAKES PLANNING TO MANAGE DATA; DATA MANAGEMENT IS CROSS-FUNCTIONAL AND REQUIRES A RANGE OF SKILLS AND EXPERTISE; DATA MANAGEMENT REQUIRES AN ENTERPRISE PERSPECTIVE; DATA MANAGEMENT MUST ACCOUNT FOR A RANGE OF PERSPECTIVES; DATA MANAGEMENT IS DATA LIFECYCLE MANAGEMENT; DIFFERENT TYPES OF DATA HAVE DIFFERENT LIFECYCLE REQUIREMENTS; MANAGING DATA INCLUDES MANAGING RISKS ASSOCIATED WITH DATA; DATA MANAGEMENT REQUIREMENTS MUST DRIVE INFORMATION TECHNOLOGY DECISIONS; EFFECTIVE DATA MANAGEMENT REQUIRES LEADERSHIP COMMITMENT.

APPLIED TEXT ANALYSIS WITH PYTHON - BENJAMIN BENGFORT 2018-06-11

FROM NEWS AND SPEECHES TO INFORMAL CHATTER ON SOCIAL MEDIA, NATURAL LANGUAGE IS ONE OF THE RICHEST AND MOST UNDERUTILIZED SOURCES OF DATA. NOT ONLY DOES IT COME IN A CONSTANT STREAM, ALWAYS CHANGING AND ADAPTING IN CONTEXT; IT ALSO CONTAINS INFORMATION THAT IS NOT CONVEYED BY TRADITIONAL DATA SOURCES. THE KEY TO UNLOCKING NATURAL LANGUAGE IS THROUGH THE CREATIVE APPLICATION OF TEXT ANALYTICS. THIS PRACTICAL BOOK PRESENTS A DATA SCIENTIST'S APPROACH TO BUILDING LANGUAGE-AWARE PRODUCTS WITH APPLIED MACHINE LEARNING. YOU'LL LEARN ROBUST, REPEATABLE, AND SCALABLE TECHNIQUES FOR TEXT ANALYSIS WITH PYTHON, INCLUDING CONTEXTUAL AND LINGUISTIC FEATURE ENGINEERING, VECTORIZATION, CLASSIFICATION, TOPIC MODELING, ENTITY RESOLUTION, GRAPH ANALYSIS, AND VISUAL STEERING. BY THE END OF THE BOOK, YOU'LL BE EQUIPPED WITH PRACTICAL METHODS TO SOLVE ANY NUMBER OF COMPLEX REAL-WORLD PROBLEMS. PREPROCESS AND VECTORIZE TEXT INTO HIGH-DIMENSIONAL FEATURE REPRESENTATIONS PERFORM DOCUMENT CLASSIFICATION AND TOPIC MODELING STEER THE MODEL SELECTION PROCESS WITH VISUAL DIAGNOSTICS EXTRACT KEY PHRASES, NAMED ENTITIES, AND GRAPH STRUCTURES TO REASON ABOUT DATA IN TEXT BUILD A DIALOG FRAMEWORK TO ENABLE CHATBOTS AND LANGUAGE-DRIVEN INTERACTION USE SPARK TO SCALE PROCESSING POWER AND NEURAL NETWORKS TO SCALE MODEL COMPLEXITY

SAS AND R - KEN KLEINMAN 2014-07-17

AN UP-TO-DATE, ALL-IN-ONE RESOURCE FOR USING SAS AND R TO PERFORM FREQUENT TASKS THE FIRST EDITION OF THIS POPULAR GUIDE PROVIDED A PATH BETWEEN SAS AND R USING AN EASY-TO-UNDERSTAND, DICTIONARY-LIKE APPROACH. RETAINING THE SAME ACCESSIBLE FORMAT, SAS AND R: DATA MANAGEMENT, STATISTICAL ANALYSIS, AND GRAPHICS, SECOND EDITION EXPLAINS HOW TO EASILY PERFORM AN ANALYTICAL TASK IN BOTH SAS AND R, WITHOUT HAVING TO NAVIGATE THROUGH THE EXTENSIVE, IDIOSYNCRATIC, AND SOMETIMES UNWIELDY SOFTWARE DOCUMENTATION. THE BOOK COVERS MANY COMMON TASKS, SUCH AS DATA MANAGEMENT, DESCRIPTIVE SUMMARIES, INFERENCE PROCEDURES, REGRESSION ANALYSIS, AND GRAPHICS, ALONG WITH MORE COMPLEX APPLICATIONS. NEW TO THE SECOND EDITION THIS EDITION NOW COVERS RSTUDIO, A POWERFUL AND EASY-TO-USE INTERFACE FOR R. IT INCORPORATES A NUMBER OF ADDITIONAL TOPICS, INCLUDING USING APPLICATION PROGRAM INTERFACES (APIS), ACCESSING DATA THROUGH DATABASE MANAGEMENT SYSTEMS, USING REPRODUCIBLE ANALYSIS TOOLS, AND STATISTICAL ANALYSIS WITH MARKOV CHAIN MONTE CARLO (MCMC) METHODS AND FINITE MIXTURE MODELS. IT ALSO INCLUDES EXTENDED EXAMPLES OF SIMULATIONS AND MANY NEW EXAMPLES. ENABLES EASY MOBILITY BETWEEN THE TWO SYSTEMS THROUGH THE EXTENSIVE INDEXING AND CROSS-REFERENCING, USERS CAN DIRECTLY FIND AND IMPLEMENT THE MATERIAL THEY NEED. SAS USERS CAN LOOK UP TASKS IN THE SAS INDEX AND THEN FIND THE ASSOCIATED R CODE WHILE R USERS CAN BENEFIT FROM THE R INDEX IN A SIMILAR MANNER. NUMEROUS EXAMPLE ANALYSES DEMONSTRATE THE CODE IN ACTION AND FACILITATE FURTHER EXPLORATION. THE DATASETS AND CODE ARE AVAILABLE FOR DOWNLOAD ON THE BOOK'S WEBSITE.

DATA MANAGEMENT AND ANALYSIS USING JMP - JANE E OPPENLANDER 2017-10-17

A HOLISTIC, STEP-BY-STEP APPROACH TO ANALYZING HEALTH CARE DATA! WRITTEN FOR BOTH BEGINNER AND INTERMEDIATE JMP USERS WORKING IN OR STUDYING HEALTH CARE, DATA MANAGEMENT AND ANALYSIS USING JMP: HEALTH CARE CASE STUDIES BRIDGES THE GAP BETWEEN TAKING TRADITIONAL STATISTICS COURSES AND SUCCESSFULLY APPLYING STATISTICAL ANALYSIS IN THE WORKPLACE. AUTHORS JANE OPPENLANDER AND PATRICIA SCHAFFER BEGIN BY ILLUSTRATING TECHNIQUES TO PREPARE DATA FOR ANALYSIS, FOLLOWED BY PRESENTING EFFECTIVE METHODS TO SUMMARIZE, VISUALIZE, AND ANALYZE DATA. THE STATISTICAL ANALYSIS METHODS COVERED IN THE BOOK ARE THE FOUNDATIONAL TECHNIQUES COMMONLY APPLIED TO MEET REGULATORY, OPERATIONAL, BUDGETING, AND RESEARCH NEEDS IN THE HEALTH CARE FIELD. THIS EXAMPLE-DRIVEN BOOK SHOWS PRACTITIONERS HOW TO SOLVE REAL-WORLD PROBLEMS BY USING AN APPROACH THAT INCLUDES PROBLEM DEFINITION, DATA MANAGEMENT, SELECTING THE APPROPRIATE ANALYSIS

METHODS, STEP-BY-STEP JMP INSTRUCTIONS, AND INTERPRETING STATISTICAL RESULTS IN CONTEXT. PRACTICAL STRATEGIES FOR SELECTING APPROPRIATE STATISTICAL METHODS, REMEDIATING DATA ANOMALIES, AND INTERPRETING STATISTICAL RESULTS IN THE DOMAIN CONTEXT ARE EMPHASIZED. THE CASES PRESENTED IN DATA MANAGEMENT AND ANALYSIS USING JMP USE MULTIPLE STATISTICAL METHODS. A PROGRESSION OF METHODS--FROM UNIVARIATE TO MULTIVARIATE--IS EMPLOYED, ILLUSTRATING A LOGICAL APPROACH TO PROBLEM-SOLVING. MUCH OF THE DATA USED IN THESE CASES IS OPEN SOURCE AND DRAWN FROM A VARIETY OF HEALTH CARE SETTINGS. THE BOOK OFFERS A WELCOME GUIDE TO WORKING PROFESSIONALS AS WELL AS STUDENTS STUDYING STATISTICS IN HEALTH CARE-RELATED FIELDS.

PRACTICAL TEXT ANALYTICS - MURUGAN ANANDARAJAN 2018-10-19

THIS BOOK INTRODUCES TEXT ANALYTICS AS A VALUABLE METHOD FOR DERIVING INSIGHTS FROM TEXT DATA. UNLIKE OTHER TEXT ANALYTICS PUBLICATIONS, PRACTICAL TEXT ANALYTICS: MAXIMIZING THE VALUE OF TEXT DATA MAKES TECHNICAL CONCEPTS ACCESSIBLE TO THOSE WITHOUT EXTENSIVE EXPERIENCE IN THE FIELD. USING TEXT ANALYTICS, ORGANIZATIONS CAN DERIVE INSIGHTS FROM CONTENT SUCH AS EMAILS, DOCUMENTS, AND SOCIAL MEDIA. PRACTICAL TEXT ANALYTICS IS DIVIDED INTO FIVE PARTS. THE FIRST PART INTRODUCES TEXT ANALYTICS, DISCUSSES THE RELATIONSHIP WITH CONTENT ANALYSIS, AND PROVIDES A GENERAL OVERVIEW OF TEXT MINING METHODOLOGY. IN THE SECOND PART, THE AUTHORS DISCUSS THE PRACTICE OF TEXT ANALYTICS, INCLUDING DATA PREPARATION AND THE OVERALL PLANNING PROCESS. THE THIRD PART COVERS TEXT ANALYTICS TECHNIQUES SUCH AS CLUSTER ANALYSIS, TOPIC MODELS, AND MACHINE LEARNING. IN THE FOURTH PART OF THE BOOK, READERS LEARN ABOUT TECHNIQUES USED TO COMMUNICATE INSIGHTS FROM TEXT ANALYSIS, INCLUDING DATA STORYTELLING. THE FINAL PART OF PRACTICAL TEXT ANALYTICS OFFERS EXAMPLES OF THE APPLICATION OF SOFTWARE PROGRAMS FOR TEXT ANALYTICS, ENABLING READERS TO MINE THEIR OWN TEXT DATA TO UNCOVER INFORMATION.

THE OPEN HANDBOOK OF LINGUISTIC DATA MANAGEMENT - ANDREA L. BEREZ-KROEKER 2022-01-18

A GUIDE TO PRINCIPLES AND METHODS FOR THE MANAGEMENT, ARCHIVING, SHARING, AND CITING OF LINGUISTIC RESEARCH DATA, ESPECIALLY DIGITAL DATA. "DOING LANGUAGE SCIENCE" DEPENDS ON COLLECTING, TRANSCRIBING, ANNOTATING, ANALYZING, STORING, AND SHARING LINGUISTIC RESEARCH DATA. THIS VOLUME OFFERS A GUIDE TO LINGUISTIC DATA MANAGEMENT, ENGAGING WITH CURRENT TRENDS TOWARD THE TRANSFORMATION OF LINGUISTICS INTO A MORE DATA-DRIVEN AND REPRODUCIBLE SCIENTIFIC ENDEAVOR. IT OFFERS BOTH PRINCIPLES AND METHODS, PRESENTING THE CONCEPTUAL FOUNDATIONS OF LINGUISTIC DATA MANAGEMENT AND A SERIES OF CASE STUDIES, EACH OF WHICH DEMONSTRATES A CONCRETE APPLICATION OF ABSTRACT PRINCIPLES IN A CURRENT PRACTICE. IN PART 1, CONTRIBUTORS BRING TOGETHER KNOWLEDGE FROM INFORMATION SCIENCE, ARCHIVING, AND DATA STEWARDSHIP RELEVANT TO LINGUISTIC DATA MANAGEMENT. TOPICS COVERED INCLUDE IMPLEMENTATION PRINCIPLES, ARCHIVING DATA, FINDING AND USING DATASETS, AND THE VALUATION OF TIME AND EFFORT INVOLVED IN DATA MANAGEMENT. PART 2 PRESENTS SNAPSHOTS OF PRACTICES ACROSS VARIOUS SUBFIELDS, WITH EACH CHAPTER PRESENTING A UNIQUE DATA MANAGEMENT PROJECT WITH GENERALIZABLE GUIDANCE FOR RESEARCHERS. THE OPEN HANDBOOK OF LINGUISTIC DATA MANAGEMENT IS AN ESSENTIAL ADDITION TO THE TOOLKIT OF EVERY LINGUIST, GUIDING RESEARCHERS TOWARD MAKING THEIR DATA FAIR: FINDABLE, ACCESSIBLE, INTEROPERABLE, AND REUSABLE.

TEXT MINING AND ANALYSIS - DR. GOUTAM CHAKRABORTY 2014-11-22

BIG DATA: IT'S UNSTRUCTURED, IT'S COMING AT YOU FAST, AND THERE'S LOTS OF IT. IN FACT, THE MAJORITY OF BIG DATA IS TEXT-ORIENTED, THANKS TO THE PROLIFERATION OF ONLINE SOURCES SUCH AS BLOGS, EMAILS, AND SOCIAL MEDIA. HOWEVER, HAVING BIG DATA MEANS LITTLE IF YOU CAN'T LEVERAGE IT WITH ANALYTICS. NOW YOU CAN EXPLORE THE LARGE VOLUMES OF UNSTRUCTURED TEXT DATA THAT YOUR ORGANIZATION HAS COLLECTED WITH TEXT MINING AND ANALYSIS: PRACTICAL METHODS, EXAMPLES, AND CASE STUDIES USING SAS. THIS HANDS-ON GUIDE TO TEXT ANALYTICS USING SAS PROVIDES DETAILED, STEP-BY-STEP INSTRUCTIONS AND EXPLANATIONS ON HOW TO MINE YOUR TEXT DATA FOR VALUABLE INSIGHT. THROUGH ITS COMPREHENSIVE APPROACH, YOU'LL LEARN NOT JUST HOW TO ANALYZE YOUR DATA, BUT HOW TO COLLECT, CLEANSE, ORGANIZE, CATEGORIZE, EXPLORE, AND INTERPRET IT AS WELL. TEXT MINING AND ANALYSIS ALSO FEATURES AN EXTENSIVE SET OF CASE STUDIES, SO YOU CAN SEE EXAMPLES OF HOW THE APPLICATIONS WORK WITH REAL-WORLD DATA FROM A VARIETY OF INDUSTRIES. TEXT ANALYTICS ENABLES YOU TO GAIN INSIGHTS ABOUT YOUR CUSTOMERS' BEHAVIORS AND SENTIMENTS. LEVERAGE YOUR ORGANIZATION'S TEXT DATA, AND USE THOSE INSIGHTS FOR MAKING BETTER BUSINESS DECISIONS WITH TEXT MINING AND ANALYSIS. THIS BOOK IS PART OF THE SAS PRESS PROGRAM.

ANALYTICS IN HEALTHCARE - CHRISTO EL MORR 2019-01-21

THIS BOOK OFFERS A PRACTICAL INTRODUCTION TO HEALTHCARE ANALYTICS THAT DOES NOT REQUIRE A BACKGROUND IN DATA SCIENCE OR STATISTICS. IT PRESENTS THE BASICS OF DATA, ANALYTICS AND TOOLS AND INCLUDES MULTIPLE EXAMPLES OF THEIR APPLICATIONS IN THE FIELD. THE BOOK ALSO IDENTIFIES PRACTICAL CHALLENGES THAT FUEL THE NEED FOR ANALYTICS IN HEALTHCARE AS WELL AS THE SOLUTIONS TO ADDRESS THESE PROBLEMS. IN THE HEALTHCARE FIELD, PROFESSIONALS HAVE ACCESS TO VAST AMOUNT OF DATA IN THE FORM OF STAFF RECORDS, ELECTRONIC PATIENT RECORD, CLINICAL FINDINGS, DIAGNOSIS, PRESCRIPTION DRUG, MEDICAL IMAGING PROCEDURE, MOBILE HEALTH, RESOURCES AVAILABLE, ETC. MANAGING THE DATA AND ANALYZING IT TO PROPERLY UNDERSTAND IT AND USE IT TO MAKE WELL-INFORMED DECISIONS CAN BE A CHALLENGE FOR MANAGERS AND HEALTH CARE PROFESSIONALS. A NEW GENERATION OF APPLICATIONS, SOMETIMES REFERRED TO AS END-USER ANALYTICS OR SELF-SERVE ANALYTICS, ARE SPECIFICALLY DESIGNED FOR NON-TECHNICAL USERS SUCH AS MANAGERS AND BUSINESS PROFESSIONALS. THE ABILITY TO USE THESE INCREASINGLY ACCESSIBLE TOOLS WITH THE ABUNDANT DATA REQUIRES A BASIC UNDERSTANDING OF THE CORE CONCEPTS OF DATA, ANALYTICS, AND INTERPRETATION OF OUTCOMES. THIS BOOK IS A RESOURCE FOR SUCH INDIVIDUALS TO DEMYSTIFY AND LEARN THE BASICS OF DATA MANAGEMENT AND ANALYTICS FOR HEALTHCARE, WHILE ALSO LOOKING TOWARDS FUTURE DIRECTIONS IN THE FIELD.

PRINCIPLES OF DATABASE MANAGEMENT - WILFRIED LEMAHIEU 2018-07-12

INTRODUCTORY, THEORY-PRACTICE BALANCED TEXT TEACHING THE FUNDAMENTALS OF DATABASES TO ADVANCED UNDERGRADUATES OR

GRADUATE STUDENTS IN INFORMATION SYSTEMS OR COMPUTER SCIENCE.

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

PRACTICAL DATA ANALYSIS - HECTOR CUESTA 2016-09-30

A PRACTICAL GUIDE TO OBTAINING, TRANSFORMING, EXPLORING, AND ANALYZING DATA USING PYTHON, MONGODB, AND APACHE SPARK ABOUT THIS BOOK LEARN TO USE VARIOUS DATA ANALYSIS TOOLS AND ALGORITHMS TO CLASSIFY, CLUSTER, VISUALIZE, SIMULATE, AND FORECAST YOUR DATA APPLY MACHINE LEARNING ALGORITHMS TO DIFFERENT KINDS OF DATA SUCH AS SOCIAL NETWORKS, TIME SERIES, AND IMAGES A HANDS-ON GUIDE TO UNDERSTANDING THE NATURE OF DATA AND HOW TO TURN IT INTO INSIGHT WHO THIS BOOK IS FOR THIS BOOK IS FOR DEVELOPERS WHO WANT TO IMPLEMENT DATA ANALYSIS AND DATA-DRIVEN ALGORITHMS IN A PRACTICAL WAY. IT IS ALSO SUITABLE FOR THOSE WITHOUT A BACKGROUND IN DATA ANALYSIS OR DATA PROCESSING. BASIC KNOWLEDGE OF PYTHON PROGRAMMING, STATISTICS, AND LINEAR ALGEBRA IS ASSUMED. WHAT YOU WILL LEARN ACQUIRE, FORMAT, AND VISUALIZE YOUR DATA BUILD AN IMAGE-SIMILARITY SEARCH ENGINE GENERATE MEANINGFUL VISUALIZATIONS ANYONE CAN UNDERSTAND GET STARTED WITH ANALYZING SOCIAL NETWORK GRAPHS FIND OUT HOW TO IMPLEMENT SENTIMENT TEXT ANALYSIS INSTALL DATA ANALYSIS TOOLS SUCH AS PANDAS, MONGODB, AND APACHE SPARK GET TO GRIPS WITH APACHE SPARK IMPLEMENT MACHINE LEARNING ALGORITHMS SUCH AS CLASSIFICATION OR FORECASTING IN DETAIL BEYOND BUZZWORDS LIKE BIG DATA OR DATA SCIENCE, THERE ARE A GREAT OPPORTUNITIES TO INNOVATE IN MANY BUSINESSES USING DATA ANALYSIS TO GET DATA-DRIVEN PRODUCTS. DATA ANALYSIS INVOLVES ASKING MANY QUESTIONS ABOUT DATA IN ORDER TO DISCOVER INSIGHTS AND GENERATE VALUE FOR A PRODUCT OR A SERVICE. THIS BOOK EXPLAINS THE BASIC DATA ALGORITHMS WITHOUT THE THEORETICAL JARGON, AND YOU'LL GET HANDS-ON TURNING DATA INTO INSIGHTS USING MACHINE LEARNING TECHNIQUES. WE WILL PERFORM DATA-DRIVEN INNOVATION PROCESSING FOR SEVERAL TYPES OF DATA SUCH AS TEXT, IMAGES, SOCIAL NETWORK GRAPHS, DOCUMENTS, AND TIME SERIES, SHOWING YOU HOW TO IMPLEMENT LARGE DATA PROCESSING WITH MONGODB AND APACHE SPARK. STYLE AND APPROACH THIS IS A HANDS-ON GUIDE TO DATA ANALYSIS AND DATA PROCESSING. THE CONCRETE EXAMPLES ARE EXPLAINED WITH SIMPLE CODE AND ACCESSIBLE DATA.

TEXT MINING AND ANALYSIS - DR. GOUTAM CHAKRABORTY 2014-11-22

BIG DATA: IT'S UNSTRUCTURED, IT'S COMING AT YOU FAST, AND THERE'S LOTS OF IT. IN FACT, THE MAJORITY OF BIG DATA IS TEXT-ORIENTED, THANKS TO THE PROLIFERATION OF ONLINE SOURCES SUCH AS BLOGS, EMAILS, AND SOCIAL MEDIA. HOWEVER, HAVING BIG DATA MEANS LITTLE IF YOU CAN'T LEVERAGE IT WITH ANALYTICS. NOW YOU CAN EXPLORE THE LARGE VOLUMES OF UNSTRUCTURED TEXT DATA THAT YOUR ORGANIZATION HAS COLLECTED WITH TEXT MINING AND ANALYSIS: PRACTICAL METHODS, EXAMPLES, AND CASE STUDIES USING SAS. THIS HANDS-ON GUIDE TO TEXT ANALYTICS USING SAS PROVIDES DETAILED, STEP-BY-STEP INSTRUCTIONS AND EXPLANATIONS ON HOW TO MINE YOUR TEXT DATA FOR VALUABLE INSIGHT. THROUGH ITS COMPREHENSIVE APPROACH, YOU'LL LEARN NOT JUST HOW TO ANALYZE YOUR DATA, BUT HOW TO COLLECT, CLEANSE, ORGANIZE, CATEGORIZE, EXPLORE, AND INTERPRET IT AS WELL. TEXT MINING AND ANALYSIS ALSO FEATURES AN EXTENSIVE SET OF CASE STUDIES, SO YOU CAN SEE EXAMPLES OF HOW THE APPLICATIONS WORK WITH REAL-WORLD DATA FROM A VARIETY OF INDUSTRIES. TEXT ANALYTICS ENABLES YOU TO GAIN INSIGHTS ABOUT YOUR CUSTOMERS' BEHAVIORS AND SENTIMENTS. LEVERAGE YOUR ORGANIZATION'S TEXT DATA, AND USE THOSE INSIGHTS FOR MAKING BETTER BUSINESS DECISIONS WITH TEXT MINING AND ANALYSIS. THIS BOOK IS PART OF THE SAS PRESS PROGRAM.

USING R FOR DATA MANAGEMENT, STATISTICAL ANALYSIS, AND GRAPHICS - NICHOLAS J. HORTON 2010-07-28

QUICK AND EASY ACCESS TO KEY ELEMENTS OF DOCUMENTATION INCLUDES WORKED EXAMPLES ACROSS A WIDE VARIETY OF APPLICATIONS, TASKS, AND GRAPHICS USING R FOR DATA MANAGEMENT, STATISTICAL ANALYSIS, AND GRAPHICS PRESENTS AN EASY WAY TO LEARN HOW TO PERFORM AN ANALYTICAL TASK IN R, WITHOUT HAVING TO NAVIGATE THROUGH THE EXTENSIVE, IDIOSYNCRATIC, AND SOMETIMES

BLUEPRINTS FOR TEXT ANALYTICS USING PYTHON - JENS ALBRECHT 2020-12-04

TURNING TEXT INTO VALUABLE INFORMATION IS ESSENTIAL FOR BUSINESSES LOOKING TO GAIN A COMPETITIVE ADVANTAGE. WITH RECENT IMPROVEMENTS IN NATURAL LANGUAGE PROCESSING (NLP), USERS NOW HAVE MANY OPTIONS FOR SOLVING COMPLEX CHALLENGES. BUT IT'S NOT ALWAYS CLEAR WHICH NLP TOOLS OR LIBRARIES WOULD WORK FOR A BUSINESS'S NEEDS, OR WHICH TECHNIQUES YOU SHOULD USE AND IN WHAT ORDER. THIS PRACTICAL BOOK PROVIDES DATA SCIENTISTS AND DEVELOPERS WITH BLUEPRINTS FOR BEST PRACTICE SOLUTIONS TO COMMON TASKS IN TEXT ANALYTICS AND NATURAL LANGUAGE PROCESSING. AUTHORS JENS ALBRECHT, SIDHARTH RAMACHANDRAN, AND CHRISTIAN WINKLER PROVIDE REAL-WORLD CASE STUDIES AND DETAILED CODE EXAMPLES IN PYTHON TO HELP YOU GET STARTED QUICKLY. EXTRACT DATA FROM APIS AND WEB PAGES PREPARE TEXTUAL DATA FOR STATISTICAL ANALYSIS AND MACHINE LEARNING USE MACHINE LEARNING FOR CLASSIFICATION, TOPIC MODELING, AND SUMMARIZATION EXPLAIN AI MODELS AND CLASSIFICATION RESULTS EXPLORE AND VISUALIZE SEMANTIC SIMILARITIES WITH WORD EMBEDDINGS IDENTIFY

CUSTOMER SENTIMENT IN PRODUCT REVIEWS CREATE A KNOWLEDGE GRAPH BASED ON NAMED ENTITIES AND THEIR RELATIONS

BUSINESS INTELLIGENCE FOR DUMMIES - SWAIN SCHEPS 2011-02-04

YOU'RE INTELLIGENT, RIGHT? SO YOU'VE ALREADY FIGURED OUT THAT BUSINESS INTELLIGENCE CAN BE PRETTY VALUABLE IN MAKING THE RIGHT DECISIONS ABOUT YOUR BUSINESS. BUT YOU'VE HEARD AT LEAST A DOZEN DEFINITIONS OF WHAT IT IS, AND HEARD OF AT LEAST THAT MANY BI TOOLS. WHERE DO YOU START? BUSINESS INTELLIGENCE FOR DUMMIES MAKES BI UNDERSTANDABLE! IT TAKES YOU STEP BY STEP THROUGH THE TECHNOLOGIES AND THE ALPHABET SOUP, SO YOU CAN CHOOSE THE RIGHT TECHNOLOGY AND IMPLEMENT A SUCCESSFUL BI ENVIRONMENT. YOU'LL SEE HOW THE APPLICATIONS AND TECHNOLOGIES WORK TOGETHER TO ACCESS, ANALYZE, AND PRESENT DATA THAT YOU CAN USE TO MAKE BETTER DECISIONS ABOUT YOUR PRODUCTS, CUSTOMERS, COMPETITORS, AND MORE.

YOU'LL FIND OUT HOW TO: UNDERSTAND THE PRINCIPLES AND PRACTICAL ELEMENTS OF BI DETERMINE WHAT YOUR BUSINESS NEEDS COMPARE DIFFERENT APPROACHES TO BI BUILD A SOLID BI ARCHITECTURE AND ROADMAP DESIGN, DEVELOP, AND DEPLOY YOUR BI PLAN RELATE BI TO DATA WAREHOUSING, ERP, CRM, AND E-COMMERCE ANALYZE EMERGING TRENDS AND DEVELOPING BI TOOLS TO SEE WHAT ELSE MAY BE USEFUL WHETHER YOU'RE THE BUSINESS OWNER OR THE PERSON CHARGED WITH DEVELOPING AND IMPLEMENTING A BI STRATEGY, CHECKING OUT BUSINESS INTELLIGENCE FOR DUMMIES IS A GOOD BUSINESS DECISION.

QUALITATIVE DATA ANALYSIS - PATRICIA BAZELEY 2013-02-01

LECTURERS/INSTRUCTORS ONLY - REQUEST A FREE DIGITAL INSPECTION COPY HERE WRITTEN BY AN EXPERIENCED RESEARCHER IN THE FIELD OF QUALITATIVE METHODS, THIS DYNAMIC NEW BOOK PROVIDES A DEFINITIVE INTRODUCTION TO ANALYSING QUALITATIVE DATA. IT IS A CLEAR, ACCESSIBLE AND PRACTICAL GUIDE TO EACH STAGE OF THE PROCESS, INCLUDING: - DESIGNING AND MANAGING QUALITATIVE DATA FOR ANALYSIS - WORKING WITH DATA THROUGH INTERPRETIVE, COMPARATIVE, PATTERN AND RELATIONAL ANALYSES - DEVELOPING EXPLANATORY THEORY AND COHERENT CONCLUSIONS, BASED ON QUALITATIVE DATA. THE BOOK PAIRS THEORETICAL DISCUSSION WITH PRACTICAL ADVICE USING A HOST OF EXAMPLES FROM DIVERSE PROJECTS ACROSS THE SOCIAL SCIENCES. IT DESCRIBES DATA ANALYSIS STRATEGIES IN ACTIONABLE STEPS AND HELPFULLY LINKS TO THE USE OF COMPUTER SOFTWARE WHERE RELEVANT. THIS IS AN EXCITING NEW ADDITION TO THE LITERATURE ON QUALITATIVE DATA ANALYSIS AND A MUST-READ FOR ANYONE WHO HAS COLLECTED, OR IS PREPARING TO COLLECT, THEIR OWN DATA. AVAILABLE WITH PERUSALL—AN eBook THAT MAKES IT EASIER TO PREPARE FOR CLASS PERUSALL IS AN AWARD-WINNING eBook PLATFORM FEATURING SOCIAL ANNOTATION TOOLS THAT ALLOW STUDENTS AND INSTRUCTORS TO COLLABORATIVELY MARK UP AND DISCUSS THEIR SAGE TEXTBOOK. BACKED BY RESEARCH AND SUPPORTED BY TECHNOLOGICAL INNOVATIONS DEVELOPED AT HARVARD UNIVERSITY, THIS PROCESS OF LEARNING THROUGH COLLABORATIVE ANNOTATION KEEPS YOUR STUDENTS ENGAGED AND MAKES TEACHING EASIER AND MORE EFFECTIVE. LEARN MORE.

CLINICAL ANALYTICS AND DATA MANAGEMENT FOR THE DNP, SECOND EDITION - MARTHA L. SYLVIA, PhD, MBA, RN 2018-03-28

PRaise FOR THE FIRST EDITION: "DNP STUDENTS MAY STRUGGLE WITH DATA MANAGEMENT, SINCE THEIR PROJECTS ARE NOT RESEARCH, BUT QUALITY IMPROVEMENT, AND THIS BOOK COVERS THE SUBJECT WELL. I RECOMMEND IT FOR DNP STUDENTS FOR USE DURING THEIR CAPSTONE PROJECTS." SCORE: 98, 5 STARS --DOODY'S MEDICAL REVIEWS THIS IS THE ONLY TEXT TO DELIVER THE STRONG DATA MANAGEMENT KNOWLEDGE AND SKILLS THAT ARE REQUIRED COMPETENCIES FOR ALL DNP STUDENTS. IT ENABLES READERS TO DESIGN DATA TRACKING AND CLINICAL ANALYTICS IN ORDER TO RIGOROUSLY EVALUATE CLINICAL INNOVATIONS/PROGRAMS FOR IMPROVING CLINICAL OUTCOMES, AND TO DOCUMENT AND ANALYZE CHANGE. THE SECOND EDITION IS GREATLY EXPANDED AND UPDATED TO ADDRESS MAJOR CHANGES IN OUR HEALTH CARE ENVIRONMENT. INCORPORATING FACULTY AND STUDENT INPUT, IT NOW INCLUDES MODALITIES SUCH AS SPSS, EXCEL, AND TABLEAU TO ADDRESS DIVERSE DATA MANAGEMENT TASKS. ELEVEN NEW CHAPTERS COVER THE USE OF BIG DATA ANALYTICS, ONGOING PROGRESS TOWARDS VALUE-BASED PAYMENT, THE ACA AND ITS FUTURE, SHIFTING OF RISK AND ACCOUNTABILITY TO HOSPITALS AND CLINICIANS, ADVANCEMENT OF NURSING QUALITY INDICATORS, AND NEW REQUIREMENTS FOR MAGNET CERTIFICATION. THE TEXT TAKES THE DNP STUDENT STEP BY STEP THROUGH THE COMPLETE PROCESS OF DATA MANAGEMENT FROM PLANNING TO PRESENTATION, AND ENCOMPASSES THE SCOPE OF SKILLS REQUIRED FOR STUDENTS TO APPLY RELEVANT ANALYTICS TO SYSTEMATICALLY AND CONFIDENTLY TACKLE THE CLINICAL INTERVENTIONS DATA OBTAINED AS PART OF THE DNP STUDENT PROJECT. OF PARTICULAR VALUE IS A PROGRESSIVE CASE STUDY ILLUSTRATING MULTIPLE TECHNIQUES AND METHODS THROUGHOUT THE CHAPTERS. SAMPLE DATA SETS AND EXERCISES, ALONG WITH OBJECTIVES, REFERENCES, AND EXAMPLES IN EACH CHAPTER, REINFORCE INFORMATION. KEY FEATURES: PROVIDES EXTENSIVE CONTENT FOR RIGOROUSLY EVALUATING DNP INNOVATIONS/PROJECTS TAKES DNP STUDENTS THROUGH THE COMPLETE PROCESS OF DATA MANAGEMENT FROM PLANNING THROUGH PRESENTATION INCLUDES A PROGRESSIVE CASE STUDY ILLUSTRATING MULTIPLE TECHNIQUES AND METHODS OFFERS VERY SPECIFIC EXAMPLES OF APPLICATION AND UTILITY OF TECHNIQUES DELIVERS SAMPLE DATA SETS, EXERCISES, POWERPOINT SLIDES AND MORE, COMPILED IN SUPPLEMENTAL MATERIALS AND AN INSTRUCTOR MANUAL

A PRACTICAL INTRODUCTION TO DATA STRUCTURES AND ALGORITHM ANALYSIS - CLIFFORD A. SHAFFER 2001

THIS PRACTICAL TEXT CONTAINS FAIRLY "TRADITIONAL" COVERAGE OF DATA STRUCTURES WITH A CLEAR AND COMPLETE USE OF ALGORITHM ANALYSIS, AND SOME EMPHASIS ON FILE PROCESSING TECHNIQUES AS RELEVANT TO MODERN PROGRAMMERS. IT FULLY INTEGRATES OO PROGRAMMING WITH THESE TOPICS, AS PART OF THE DETAILED PRESENTATION OF OO PROGRAMMING ITSELF. CHAPTER TOPICS INCLUDE LISTS, STACKS, AND QUEUES; BINARY AND GENERAL TREES; GRAPHS; FILE PROCESSING AND EXTERNAL SORTING; SEARCHING; INDEXING; AND LIMITS TO COMPUTATION. FOR PROGRAMMERS WHO NEED A GOOD REFERENCE ON DATA STRUCTURES.

PRACTICAL TEXT ANALYTICS - STEVEN STRUHL 2015-07-03

IN AN AGE WHERE CUSTOMER OPINION AND FEEDBACK CAN HAVE AN IMMEDIATE, MAJOR EFFECT UPON THE SUCCESS OF A BUSINESS OR ORGANIZATION, MARKETERS MUST HAVE THE ABILITY TO ANALYZE UNSTRUCTURED DATA IN EVERYTHING FROM SOCIAL MEDIA AND INTERNET REVIEWS TO CUSTOMER SURVEYS AND PHONE LOGS. PRACTICAL TEXT ANALYTICS IS AN ESSENTIAL DAILY REFERENCE RESOURCE, PROVIDING REAL-WORLD GUIDANCE ON THE EFFECTIVE APPLICATION OF TEXT ANALYTICS. THE BOOK PRESENTS THE ANALYSIS

PROCESS SO THAT IT IS IMMEDIATELY UNDERSTOOD BY THE MARKETING PROFESSIONALS WHO MUST USE IT, SO THEY CAN APPLY PROVEN CONCEPTS AND METHODS CORRECTLY AND WITH CONFIDENCE. BY DECODING INDUSTRY TERMINOLOGY AND DEMONSTRATING PRACTICAL APPLICATION OF DATA MODELS ONCE RESERVED FOR EXPERTS, PRACTICAL TEXT ANALYTICS SHOWS MARKETERS HOW TO FRAME THE RIGHT QUESTIONS, IDENTIFY KEY THEMES AND FIND HIDDEN MEANING FROM UNSTRUCTURED DATA. READERS WILL LEARN TO DEVELOP POWERFUL NEW MARKETING STRATEGIES TO ELEVATE CUSTOMER EXPERIENCE, SOLIDIFY BRAND VALUE AND ELEVATE REPUTATION. ONLINE RESOURCES INCLUDE SELF-TEST QUESTIONS, CHAPTER REVIEW Q&A AND AN INSTRUCTOR'S MANUAL WITH TEXT SOURCES AND INSTRUCTIONS.

TEXT ANALYTICS WITH PYTHON - DIPANJAN SARKAR 2016-11-30

DERIVE USEFUL INSIGHTS FROM YOUR DATA USING PYTHON. YOU WILL LEARN BOTH BASIC AND ADVANCED CONCEPTS, INCLUDING TEXT AND LANGUAGE SYNTAX, STRUCTURE, AND SEMANTICS. YOU WILL FOCUS ON ALGORITHMS AND TECHNIQUES, SUCH AS TEXT CLASSIFICATION, CLUSTERING, TOPIC MODELING, AND TEXT SUMMARIZATION. TEXT ANALYTICS WITH PYTHON TEACHES YOU THE TECHNIQUE RELATED TO NATURAL LANGUAGE PROCESSING AND TEXT ANALYTICS, AND YOU WILL GAIN THE SKILLS TO KNOW WHICH TECHNIQUE IS BEST SUITED TO SOLVE A PARTICULAR PROBLEM. YOU WILL LOOK AT EACH TECHNIQUE AND ALGORITHM WITH BOTH A BIRD'S EYE VIEW TO UNDERSTAND HOW IT CAN BE USED AS WELL AS WITH A MICROSCOPIC VIEW TO UNDERSTAND THE MATHEMATICAL CONCEPTS AND TO IMPLEMENT THEM TO SOLVE YOUR OWN PROBLEMS. WHAT YOU WILL LEARN: UNDERSTAND THE MAJOR CONCEPTS AND TECHNIQUES OF NATURAL LANGUAGE PROCESSING (NLP) AND TEXT ANALYTICS, INCLUDING SYNTAX AND STRUCTURE BUILD A TEXT CLASSIFICATION SYSTEM TO CATEGORIZE NEWS ARTICLES, ANALYZE APP OR GAME REVIEWS USING TOPIC MODELING AND TEXT SUMMARIZATION, AND CLUSTER POPULAR MOVIE SYNOPSSES AND ANALYZE THE SENTIMENT OF MOVIE REVIEWS IMPLEMENT PYTHON AND POPULAR OPEN SOURCE LIBRARIES IN NLP AND TEXT ANALYTICS, SUCH AS THE NATURAL LANGUAGE TOOLKIT (NLTK), GENSIM, SCIKIT-LEARN, SPACY AND PATTERN WHO THIS BOOK IS FOR : IT PROFESSIONALS, ANALYSTS, DEVELOPERS, LINGUISTIC EXPERTS, DATA SCIENTISTS, AND ANYONE WITH A KEEN INTEREST IN LINGUISTICS, ANALYTICS, AND GENERATING INSIGHTS FROM TEXTUAL DATA USING R AND RSTUDIO FOR DATA MANAGEMENT, STATISTICAL ANALYSIS, AND GRAPHICS - NICHOLAS J. HORTON 2015-03-10 IMPROVE YOUR ANALYTICAL SKILLS INCORPORATING THE LATEST R PACKAGES AS WELL AS NEW CASE STUDIES AND APPLICATIONS, USING R AND RSTUDIO FOR DATA MANAGEMENT, STATISTICAL ANALYSIS, AND GRAPHICS, SECOND EDITION COVERS THE ASPECTS OF R MOST OFTEN USED BY STATISTICAL ANALYSTS. NEW USERS OF R WILL FIND THE BOOK'S SIMPLE APPROACH EASY TO UNDERSTAND WHILE MORE

PRACTICAL TEXT MINING AND STATISTICAL ANALYSIS FOR NON-STRUCTURED TEXT DATA APPLICATIONS - GARY MINER 2012-01-11

THE WORLD CONTAINS AN UNIMAGINABLY VAST AMOUNT OF DIGITAL INFORMATION WHICH IS GETTING EVER VASTER EVER MORE RAPIDLY. THIS MAKES IT POSSIBLE TO DO MANY THINGS THAT PREVIOUSLY COULD NOT BE DONE: SPOT BUSINESS TRENDS, PREVENT DISEASES, COMBAT CRIME AND SO ON. MANAGED WELL, THE TEXTUAL DATA CAN BE USED TO UNLOCK NEW SOURCES OF ECONOMIC VALUE, PROVIDE FRESH INSIGHTS INTO SCIENCE AND HOLD GOVERNMENTS TO ACCOUNT. AS THE INTERNET EXPANDS AND OUR NATURAL CAPACITY TO PROCESS THE UNSTRUCTURED TEXT THAT IT CONTAINS DIMINISHES, THE VALUE OF TEXT MINING FOR INFORMATION RETRIEVAL AND SEARCH WILL INCREASE DRAMATICALLY. THIS COMPREHENSIVE PROFESSIONAL REFERENCE BRINGS TOGETHER ALL THE INFORMATION, TOOLS AND METHODS A PROFESSIONAL WILL NEED TO EFFICIENTLY USE TEXT MINING APPLICATIONS AND STATISTICAL ANALYSIS. THE HANDBOOK OF PRACTICAL TEXT MINING AND STATISTICAL ANALYSIS FOR NON-STRUCTURED TEXT DATA APPLICATIONS PRESENTS A COMPREHENSIVE HOW-TO REFERENCE THAT SHOWS THE USER HOW TO CONDUCT TEXT MINING AND STATISTICALLY ANALYZE RESULTS. IN ADDITION TO PROVIDING AN IN-DEPTH EXAMINATION OF CORE TEXT MINING AND LINK DETECTION TOOLS, METHODS AND OPERATIONS, THE BOOK EXAMINES ADVANCED PREPROCESSING TECHNIQUES, KNOWLEDGE REPRESENTATION CONSIDERATIONS, AND VISUALIZATION APPROACHES. FINALLY, THE BOOK EXPLORES CURRENT REAL-WORLD, MISSION-CRITICAL APPLICATIONS OF TEXT MINING AND LINK DETECTION USING REAL WORLD EXAMPLE TUTORIALS IN SUCH VARIED FIELDS AS CORPORATE, FINANCE, BUSINESS INTELLIGENCE, GENOMICS RESEARCH, AND COUNTERTERRORISM ACTIVITIES. -EXTENSIVE CASE STUDIES, MOST IN A TUTORIAL FORMAT, ALLOW THE READER TO 'CLICK THROUGH' THE EXAMPLE USING A SOFTWARE PROGRAM, THUS LEARNING TO CONDUCT TEXT MINING ANALYSES IN THE MOST RAPID MANNER OF LEARNING POSSIBLE -NUMEROUS EXAMPLES, TUTORIALS, POWER POINTS AND DATASETS AVAILABLE VIA COMPANION WEBSITE ON ELSEVIERDIRECT.COM -GLOSSARY OF TEXT MINING TERMS PROVIDED IN THE APPENDIX

A PRACTICAL GUIDE TO MANAGING REFERENCE DATA WITH IBM INFOSPHERE MASTER DATA MANAGEMENT REFERENCE DATA MANAGEMENT HUB - WHEI-JEN CHEN 2013-05-06

IBM® INFOSPHERE® MASTER DATA MANAGEMENT REFERENCE DATA MANAGEMENT HUB (INFOSPHERE MDM REF DM HUB) IS DESIGNED AS A READY-TO-RUN APPLICATION THAT PROVIDES THE GOVERNANCE, PROCESS, SECURITY, AND AUDIT CONTROL FOR MANAGING REFERENCE DATA AS AN ENTERPRISE STANDARD, RESULTING IN FEWER ERRORS, REDUCED BUSINESS RISK AND COST SAVINGS. THIS IBM REDBOOKS® PUBLICATION DESCRIBES WHERE INFOSPHERE MDM REF DM HUB FITS INTO INFORMATION MANAGEMENT REFERENCE ARCHITECTURE. IT EXPLAINS THE END-TO-END PROCESS OF AN INFOSPHERE MDM REF DM HUB IMPLEMENTATION INCLUDING THE CONSIDERATIONS OF PLANNING A REFERENCE DATA MANAGEMENT PROJECT, REQUIREMENTS GATHERING AND ANALYSIS, MODEL DESIGN IN DETAIL, AND INTEGRATION CONSIDERATIONS AND SCENARIOS. IT THEN SHOWS IMPLEMENTATION EXAMPLES AND THE ONGOING ADMINISTRATION TASKS. THIS PUBLICATION CAN HELP IT PROFESSIONALS WHO ARE INTERESTED OR HAVE A NEED TO MANAGE REFERENCE DATA EFFICIENTLY AND IMPLEMENT AN INFOSPHERE MDM REF DM HUB SOLUTION WITH EASE.

QUALITATIVE TEXT ANALYSIS - UDO KUCKARTZ 2014-01-23

HOW CAN YOU ANALYSE NARRATIVES, INTERVIEWS, FIELD NOTES, OR FOCUS GROUP DATA? QUALITATIVE TEXT ANALYSIS IS IDEAL FOR THESE TYPES OF DATA AND THIS TEXTBOOK PROVIDES A HANDS-ON INTRODUCTION TO THE METHOD AND ITS THEORETICAL

UNDERPINNINGS. IT OFFERS STEP-BY-STEP INSTRUCTIONS FOR IMPLEMENTING THE THREE PRINCIPAL TYPES OF QUALITATIVE TEXT ANALYSIS: THEMATIC, EVALUATIVE, AND TYPE-BUILDING. SPECIAL ATTENTION IS PAID TO HOW TO PRESENT YOUR RESULTS AND USE QUALITATIVE DATA ANALYSIS SOFTWARE PACKAGES, WHICH ARE HIGHLY RECOMMENDED FOR USE IN COMBINATION WITH QUALITATIVE TEXT ANALYSIS SINCE THEY ALLOW FOR FAST, RELIABLE, AND MORE ACCURATE ANALYSIS. THE BOOK SHOWS IN DETAIL HOW TO USE SOFTWARE, FROM TRANSCRIBING THE VERBAL DATA TO PRESENTING AND VISUALIZING THE RESULTS. THE BOOK IS INTENDED FOR MASTER'S AND DOCTORAL STUDENTS ACROSS THE SOCIAL SCIENCES AND FOR ALL RESEARCHERS CONCERNED WITH THE SYSTEMATIC ANALYSIS OF TEXTS OF ANY KIND.

DATA MANAGEMENT AT SCALE - PIETHEIN STRENGHOLT 2020-07-29

AS DATA MANAGEMENT AND INTEGRATION CONTINUE TO EVOLVE RAPIDLY, STORING ALL YOUR DATA IN ONE PLACE, SUCH AS A DATA WAREHOUSE, IS NO LONGER SCALABLE. IN THE VERY NEAR FUTURE, DATA WILL NEED TO BE DISTRIBUTED AND AVAILABLE FOR SEVERAL TECHNOLOGICAL SOLUTIONS. WITH THIS PRACTICAL BOOK, YOU'LL LEARN HOW TO MIGRATE YOUR ENTERPRISE FROM A COMPLEX AND TIGHTLY COUPLED DATA LANDSCAPE TO A MORE FLEXIBLE ARCHITECTURE READY FOR THE MODERN WORLD OF DATA CONSUMPTION. EXECUTIVES, DATA ARCHITECTS, ANALYTICS TEAMS, AND COMPLIANCE AND GOVERNANCE STAFF WILL LEARN HOW TO BUILD A MODERN SCALABLE DATA LANDSCAPE USING THE SCALED ARCHITECTURE, WHICH YOU CAN INTRODUCE INCREMENTALLY WITHOUT A LARGE UPFRONT INVESTMENT. AUTHOR PIETHEIN STRENGHOLT PROVIDES BLUEPRINTS, PRINCIPLES, OBSERVATIONS, BEST PRACTICES, AND PATTERNS TO GET YOU UP TO SPEED. EXAMINE DATA MANAGEMENT TRENDS, INCLUDING TECHNOLOGICAL DEVELOPMENTS, REGULATORY REQUIREMENTS, AND PRIVACY CONCERNS GO DEEP INTO THE SCALED ARCHITECTURE AND LEARN HOW THE PIECES FIT TOGETHER EXPLORE DATA GOVERNANCE AND DATA SECURITY, MASTER DATA MANAGEMENT, SELF-SERVICE DATA MARKETPLACES, AND THE IMPORTANCE OF METADATA

DOING COMPUTATIONAL SOCIAL SCIENCE - JOHN MCLEVEY 2021-12-15

COMPUTATIONAL APPROACHES OFFER EXCITING OPPORTUNITIES FOR US TO DO SOCIAL SCIENCE DIFFERENTLY. THIS BEGINNER'S GUIDE DISCUSSES A RANGE OF COMPUTATIONAL METHODS AND HOW TO USE THEM TO STUDY THE PROBLEMS AND QUESTIONS YOU WANT TO RESEARCH. IT ASSUMES NO KNOWLEDGE OF PROGRAMMING, OFFERING STEP-BY-STEP GUIDANCE FOR CODING IN PYTHON AND DRAWING ON EXAMPLES OF REAL DATA ANALYSIS TO DEMONSTRATE HOW YOU CAN APPLY EACH APPROACH IN ANY DISCIPLINE. THE BOOK ALSO: CONSIDERS IMPORTANT PRINCIPLES OF SOCIAL SCIENTIFIC COMPUTING, INCLUDING TRANSPARENCY, ACCOUNTABILITY AND REPRODUCIBILITY. UNDERSTANDS THE REALITIES OF COMPLETING RESEARCH PROJECTS AND OFFERS ADVICE FOR DEALING WITH ISSUES SUCH AS MESSY OR INCOMPLETE DATA AND SYSTEMATIC BIASES. EMPOWERS YOU TO LEARN AT YOUR OWN PACE, WITH ONLINE RESOURCES INCLUDING SCREENCAST TUTORIALS AND DATASETS THAT ENABLE YOU TO PRACTICE YOUR SKILLS AND GET UP TO SPEED. FOR ANYONE WHO WANTS TO USE COMPUTATIONAL METHODS TO CONDUCT A SOCIAL SCIENCE RESEARCH PROJECT, THIS BOOK EQUIPS YOU WITH THE SKILLS, GOOD HABITS AND BEST WORKING PRACTICES TO DO RIGOROUS, HIGH QUALITY WORK.

STATISTICS & DATA ANALYTICS FOR HEALTH DATA MANAGEMENT - NADINIA DAVIS 2015-12-04

INTRODUCING STATISTICS & DATA ANALYTICS FOR HEALTH DATA MANAGEMENT BY NADINIA DAVIS AND BETSY SHILAND, AN ENGAGING NEW TEXT THAT EMPHASIZES THE EASY-TO-LEARN, PRACTICAL USE OF STATISTICS AND MANIPULATION OF DATA IN THE HEALTH CARE SETTING. WITH ITS UNIQUE HANDS-ON APPROACH AND FRIENDLY WRITING STYLE, THIS VIVID TEXT USES REAL-WORLD EXAMPLES TO SHOW YOU HOW TO IDENTIFY THE PROBLEM, FIND THE RIGHT DATA, GENERATE THE STATISTICS, AND PRESENT THE INFORMATION TO OTHER USERS. BRIEF CASE SCENARIOS ASK YOU TO APPLY INFORMATION TO SITUATIONS HEALTH INFORMATION MANAGEMENT PROFESSIONALS ENCOUNTER EVERY DAY, AND REVIEW QUESTIONS ARE TIED TO LEARNING OBJECTIVES AND BLOOM'S TAXONOMY TO

REINFORCE CORE CONTENT. FROM PLANNING BUDGETS TO EXPLAINING ACCOUNTING METHODOLOGIES, STATISTICS & DATA ANALYTICS ADDRESSES THE KEY HIM ASSOCIATE DEGREE-ENTRY LEVEL COMPETENCIES REQUIRED BY CAHIIM AND COVERED IN THE RHIT EXAM. MEETS KEY HIM ASSOCIATE DEGREE-ENTRY LEVEL COMPETENCIES, AS REQUIRED BY CAHIIM AND COVERED ON THE RHIT REGISTRY EXAM, SO YOU GET THE MOST ACCURATE AND TIMELY CONTENT, PLUS IN-DEPTH KNOWLEDGE OF STATISTICS AS USED ON THE JOB. FRIENDLY, ENGAGING WRITING STYLE OFFERS A STUDENT-CENTERED APPROACH TO THE OFTEN DAUNTING SUBJECT OF STATISTICS. FOUR-COLOR DESIGN WITH AMPLE VISUALS MAKES THIS THE ONLY TEXTBOOK OF ITS KIND TO APPROACH BLAND STATISTICAL CONCEPTS AND UNFAMILIAR HEALTH CARE SETTINGS WITH VIVID ILLUSTRATIONS AND PHOTOS. MATH REVIEW CHAPTER BRINGS YOU UP-TO-SPEED ON THE MATH SKILLS YOU NEED TO COMPLETE THE TEXT. BRIEF CASE SCENARIOS STRENGTHEN THE TEXT'S HANDS-ON, PRACTICAL APPROACH BY TAKING THE INFORMATION PRESENTED AND ASKING YOU TO APPLY IT TO SITUATIONS HIM PROFESSIONALS ENCOUNTER EVERY DAY. TAKEAWAY BOXES HIGHLIGHT KEY POINTS AND IMPORTANT CONCEPTS. MATH REVIEW BOXES REMIND YOU OF BASIC ARITHMETIC, OFTEN WHILE PROVIDING ADDITIONAL PRACTICE. STAT TIP BOXES EXPLAIN TRICKIER CALCULATIONS, OFTEN WITH EXCEL FORMULAS, AND WARN OF PITFALLS IN TABULATION. REVIEW QUESTIONS ARE TIED TO LEARNING OBJECTIVES AND BLOOM'S TAXONOMY TO REINFORCE CORE CONTENT AND LET YOU CHECK YOUR UNDERSTANDING OF ALL ASPECTS OF A TOPIC. INTEGRATED EXERCISES GIVE YOU TIME TO PAUSE, REFLECT, AND RETAIN WHAT YOU HAVE LEARNED. ANSWERS TO INTEGRATED EXERCISES, BRIEF CASE SCENARIOS, AND REVIEW QUESTIONS IN THE BACK OF THE BOOK OFFER AN OPPORTUNITY FOR SELF-STUDY. APPENDIX OF COMMONLY USED FORMULAS PROVIDES EASY REFERENCE TO EVERY FORMULA USED IN THE TEXTBOOK. A COMPREHENSIVE GLOSSARY GIVES YOU ONE CENTRAL LOCATION TO LOOK UP THE MEANING OF NEW TERMINOLOGY. INSTRUCTOR RESOURCES INCLUDE TEACH LESSON PLANS, POWERPOINT SLIDES, CLASSROOM HANDOUTS, AND A 500-QUESTION TEST BANK IN EXAMVIEW THAT HELP PREPARE INSTRUCTORS FOR CLASSROOM LECTURES.

DATA MINING: PRACTICAL MACHINE LEARNING TOOLS AND TECHNIQUES - IAN H. WITTEN 2011-02-03

DATA MINING: PRACTICAL MACHINE LEARNING TOOLS AND TECHNIQUES, THIRD EDITION, OFFERS A THOROUGH GROUNDING IN MACHINE LEARNING CONCEPTS AS WELL AS PRACTICAL ADVICE ON APPLYING MACHINE LEARNING TOOLS AND TECHNIQUES IN REAL-WORLD DATA MINING SITUATIONS. THIS HIGHLY ANTICIPATED THIRD EDITION OF THE MOST ACCLAIMED WORK ON DATA MINING AND MACHINE LEARNING WILL TEACH YOU EVERYTHING YOU NEED TO KNOW ABOUT PREPARING INPUTS, INTERPRETING OUTPUTS, EVALUATING RESULTS, AND THE ALGORITHMIC METHODS AT THE HEART OF SUCCESSFUL DATA MINING. THOROUGH UPDATES REFLECT THE TECHNICAL CHANGES AND MODERNIZATIONS THAT HAVE TAKEN PLACE IN THE FIELD SINCE THE LAST EDITION, INCLUDING NEW MATERIAL ON DATA TRANSFORMATIONS, ENSEMBLE LEARNING, MASSIVE DATA SETS, MULTI-INSTANCE LEARNING, PLUS A NEW VERSION OF THE POPULAR WEKA MACHINE LEARNING SOFTWARE DEVELOPED BY THE AUTHORS. WITTEN, FRANK, AND HALL INCLUDE BOTH TRIED-AND-TRUE TECHNIQUES OF TODAY AS WELL AS METHODS AT THE LEADING EDGE OF CONTEMPORARY RESEARCH. THE BOOK IS TARGETED AT INFORMATION SYSTEMS PRACTITIONERS, PROGRAMMERS, CONSULTANTS, DEVELOPERS, INFORMATION TECHNOLOGY MANAGERS, SPECIFICATION WRITERS, DATA ANALYSTS, DATA MODELERS, DATABASE R&D PROFESSIONALS, DATA WAREHOUSE ENGINEERS, DATA MINING PROFESSIONALS. THE BOOK WILL ALSO BE USEFUL FOR PROFESSORS AND STUDENTS OF UPPER-LEVEL UNDERGRADUATE AND GRADUATE-LEVEL DATA MINING AND MACHINE LEARNING COURSES WHO WANT TO INCORPORATE DATA MINING AS PART OF THEIR DATA MANAGEMENT KNOWLEDGE BASE AND EXPERTISE. PROVIDES A THOROUGH GROUNDING IN MACHINE LEARNING CONCEPTS AS WELL AS PRACTICAL ADVICE ON APPLYING THE TOOLS AND TECHNIQUES TO YOUR DATA MINING PROJECTS OFFERS CONCRETE TIPS AND TECHNIQUES FOR PERFORMANCE IMPROVEMENT THAT WORK BY TRANSFORMING THE INPUT OR OUTPUT IN MACHINE LEARNING METHODS INCLUDES DOWNLOADABLE WEKA SOFTWARE TOOLKIT, A COLLECTION OF MACHINE LEARNING ALGORITHMS FOR DATA MINING TASKS—IN AN UPDATED, INTERACTIVE INTERFACE. ALGORITHMS IN TOOLKIT COVER: DATA PRE-PROCESSING, CLASSIFICATION, REGRESSION, CLUSTERING, ASSOCIATION RULES, VISUALIZATION