

TEXT ANALYSIS TOOL

JUDITH S. HURWITZ,ALAN NUGENT,FERN HALPER,MARCIA KAUFMAN

📖 **TEXT MINING WITH R** JULIA SILGE, DAVID ROBINSON, 2017-06-12 CHAPTER 7. CASE STUDY : COMPARING TWITTER ARCHIVES; GETTING THE DATA AND DISTRIBUTION OF TWEETS; WORD FREQUENCIES; COMPARING WORD USAGE; CHANGES IN WORD USE; FAVORITES AND RETWEETS; SUMMARY; CHAPTER 8. CASE STUDY : MINING NASA METADATA; HOW DATA IS ORGANIZED AT NASA; WRANGLING AND TIDYING THE DATA; SOME INITIAL SIMPLE EXPLORATION; WORD CO-OCCURRENCES AND CORRELATIONS; NETWORKS OF DESCRIPTION AND TITLE WORDS; NETWORKS OF KEYWORDS; CALCULATING TF-IDF FOR THE DESCRIPTION FIELDS; WHAT IS TF-IDF FOR THE DESCRIPTION FIELD WORDS?; CONNECTING DESCRIPTION FIELDS TO KEYWORDS; TOPIC MODELING.

📖 **TEXT ANALYSIS WITH R** MATTHEW L. JOCKERS, ROSAMOND THALKEN, 2020-03-30 NOW IN ITS SECOND EDITION, TEXT ANALYSIS WITH R PROVIDES A PRACTICAL INTRODUCTION TO COMPUTATIONAL TEXT ANALYSIS USING THE OPEN SOURCE PROGRAMMING LANGUAGE R. R IS AN EXTREMELY POPULAR PROGRAMMING LANGUAGE, USED THROUGHOUT THE SCIENCES; DUE TO ITS ACCESSIBILITY, R IS NOW USED INCREASINGLY IN OTHER RESEARCH AREAS. IN THIS VOLUME, READERS IMMEDIATELY BEGIN WORKING WITH TEXT, AND EACH CHAPTER EXAMINES A NEW TECHNIQUE OR PROCESS, ALLOWING READERS TO OBTAIN A BROAD EXPOSURE TO CORE R PROCEDURES AND A FUNDAMENTAL UNDERSTANDING OF THE POSSIBILITIES OF COMPUTATIONAL TEXT ANALYSIS AT BOTH THE MICRO AND THE MACRO SCALE. EACH CHAPTER BUILDS ON ITS PREDECESSOR AS READERS MOVE FROM SMALL SCALE “MICROANALYSIS” OF SINGLE TEXTS TO LARGE SCALE “MACROANALYSIS” OF TEXT CORPORA, AND EACH CONCLUDES WITH A SET OF PRACTICE EXERCISES THAT REINFORCE AND EXPAND UPON THE CHAPTER LESSONS. THE BOOK’S FOCUS IS ON MAKING THE TECHNICAL PALATABLE AND MAKING THE TECHNICAL USEFUL AND IMMEDIATELY GRATIFYING. TEXT ANALYSIS WITH R IS WRITTEN WITH STUDENTS AND SCHOLARS OF LITERATURE IN MIND BUT WILL BE APPLICABLE TO OTHER HUMANISTS AND SOCIAL SCIENTISTS WISHING TO EXTEND THEIR METHODOLOGICAL TOOLKIT TO INCLUDE QUANTITATIVE AND COMPUTATIONAL APPROACHES TO THE STUDY OF TEXT. COMPUTATION PROVIDES ACCESS TO INFORMATION IN TEXT THAT READERS SIMPLY CANNOT GATHER USING TRADITIONAL QUALITATIVE METHODS OF CLOSE READING AND HUMAN SYNTHESIS. THIS NEW EDITION FEATURES TWO NEW CHAPTERS: ONE THAT INTRODUCES DPLYR AND TIDYR IN THE CONTEXT OF PARSING AND ANALYZING DRAMATIC TEXTS TO EXTRACT SPEAKER AND RECEIVER DATA, AND ONE ON SENTIMENT ANALYSIS USING THE SYUZHET PACKAGE. IT IS ALSO FILLED WITH UPDATED MATERIAL IN EVERY CHAPTER TO INTEGRATE NEW DEVELOPMENTS IN THE FIELD, CURRENT PRACTICES IN R STYLE, AND THE USE OF MORE EFFICIENT ALGORITHMS.


📖 NATURAL LANGUAGE PROCESSING AND COMPUTATIONAL LINGUISTICS BHARGAV SRINIVASA-DESIKAN, 2018-06-29
WORK WITH PYTHON AND POWERFUL OPEN SOURCE TOOLS SUCH AS GENSIM AND SPACY TO PERFORM MODERN TEXT ANALYSIS, NATURAL LANGUAGE PROCESSING, AND COMPUTATIONAL LINGUISTICS ALGORITHMS. KEY FEATURES DISCOVER THE OPEN SOURCE PYTHON TEXT ANALYSIS ECOSYSTEM, USING SPACY, GENSIM, SCIKIT-LEARN, AND KERAS HANDS-ON TEXT ANALYSIS WITH PYTHON, FEATURING NATURAL LANGUAGE PROCESSING AND COMPUTATIONAL LINGUISTICS ALGORITHMS LEARN DEEP LEARNING TECHNIQUES FOR TEXT ANALYSIS BOOK DESCRIPTION MODERN TEXT ANALYSIS IS NOW VERY ACCESSIBLE USING PYTHON AND OPEN SOURCE TOOLS, SO DISCOVER HOW YOU CAN NOW PERFORM MODERN TEXT ANALYSIS IN THIS ERA OF TEXTUAL DATA. THIS BOOK SHOWS YOU HOW TO USE NATURAL LANGUAGE PROCESSING, AND COMPUTATIONAL LINGUISTICS ALGORITHMS, TO MAKE INFERENCES AND GAIN INSIGHTS ABOUT DATA YOU HAVE. THESE ALGORITHMS ARE BASED ON STATISTICAL MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE TECHNIQUES. THE TOOLS TO WORK WITH THESE ALGORITHMS ARE AVAILABLE TO YOU RIGHT NOW - WITH PYTHON, AND TOOLS LIKE GENSIM AND SPACY. YOU'LL START BY LEARNING ABOUT DATA CLEANING, AND THEN HOW TO PERFORM COMPUTATIONAL LINGUISTICS FROM FIRST CONCEPTS. YOU'RE THEN READY TO EXPLORE THE MORE SOPHISTICATED AREAS OF STATISTICAL NLP AND DEEP LEARNING USING PYTHON, WITH REALISTIC LANGUAGE AND TEXT SAMPLES. YOU'LL LEARN TO TAG, PARSE, AND MODEL TEXT USING THE BEST TOOLS. YOU'LL GAIN HANDS-ON KNOWLEDGE OF THE BEST FRAMEWORKS TO USE, AND YOU'LL KNOW WHEN TO CHOOSE A TOOL LIKE GENSIM FOR TOPIC MODELS, AND WHEN TO WORK WITH KERAS FOR DEEP LEARNING. THIS BOOK BALANCES THEORY AND PRACTICAL HANDS-ON EXAMPLES, SO YOU CAN LEARN ABOUT AND CONDUCT YOUR OWN NATURAL LANGUAGE PROCESSING PROJECTS AND COMPUTATIONAL LINGUISTICS. YOU'LL DISCOVER THE RICH ECOSYSTEM OF PYTHON TOOLS YOU HAVE AVAILABLE TO CONDUCT NLP - AND ENTER THE INTERESTING WORLD OF MODERN TEXT ANALYSIS. WHAT YOU WILL LEARN WHY TEXT ANALYSIS IS IMPORTANT IN OUR MODERN AGE UNDERSTAND NLP TERMINOLOGY AND GET TO KNOW THE PYTHON TOOLS AND DATASETS LEARN HOW TO PRE-PROCESS AND CLEAN TEXTUAL DATA CONVERT TEXTUAL DATA INTO VECTOR SPACE REPRESENTATIONS USING SPACY TO PROCESS TEXT TRAIN YOUR OWN NLP MODELS FOR COMPUTATIONAL LINGUISTICS USE STATISTICAL LEARNING AND TOPIC MODELING ALGORITHMS FOR TEXT, USING GENSIM AND SCIKIT-LEARN EMPLOY DEEP LEARNING TECHNIQUES FOR TEXT ANALYSIS USING KERAS WHO THIS BOOK IS FOR THIS BOOK IS FOR YOU IF YOU WANT TO DIVE IN, HANDS-FIRST, INTO THE INTERESTING WORLD OF TEXT ANALYSIS AND NLP, AND YOU'RE READY TO WORK WITH THE RICH PYTHON ECOSYSTEM OF TOOLS AND DATASETS WAITING FOR YOU!


📖 COMPUTER-ASSISTED TEXT ANALYSIS ROEL POPPING, 2000-02-28 A GUIDE TO THE METHODS FOR THE COMPUTER-BASED QUANTITATIVE ANALYSIS OF TEXTS. THE BOOK CONCENTRATES ON THE METHODOLOGICAL AND PRACTICAL ISSUES OF CODING AND HANDLING DATA INCLUDING SAMPLING, RELIABILITY AND VALIDITY ISSUES. IT FOCUSES ON THREE MAIN APPROACHES TO TEXT ANALYSIS: LEXICAL, SEMANTIC AND NETWORK. THE AUTHOR: PROVIDES AN OVERVIEW OF THE BACKGROUND AND CONCEPTS IN THE FIELD; INTRODUCES NEWER DEVELOPMENTS; AND LOOKS AT THE RELATIONSHIP BETWEEN CONTENT ANALYSIS AND OTHER KINDS OF TEXT ANALYSIS. THE WORK CONCLUDES WITH AN APPENDIX OF COMPUTER PROGRAMMES FOR TEXT ANALYSIS.

📖 WORKING WITH TEXT EMMA TONKIN, GREGORY J.L. TOURTE, 2016-07-14 WHAT IS TEXT MINING, AND HOW CAN IT BE USED? WHAT RELEVANCE DO THESE METHODS HAVE TO EVERYDAY WORK IN INFORMATION SCIENCE AND THE DIGITAL HUMANITIES? HOW DOES ONE DEVELOP COMPETENCES IN TEXT MINING? WORKING WITH TEXT PROVIDES A SERIES OF CROSS-DISCIPLINARY PERSPECTIVES ON TEXT MINING AND ITS APPLICATIONS. AS TEXT MINING RAISES LEGAL AND ETHICAL ISSUES, THE LEGAL BACKGROUND OF TEXT MINING AND THE RESPONSIBILITIES OF THE ENGINEER ARE DISCUSSED IN THIS BOOK. CHAPTERS PROVIDE AN INTRODUCTION TO THE USE OF THE POPULAR GATE TEXT MINING PACKAGE WITH DATA DRAWN FROM SOCIAL MEDIA, THE USE OF TEXT MINING TO SUPPORT SEMANTIC SEARCH, THE DEVELOPMENT OF AN AUTHORITY SYSTEM TO SUPPORT CONTENT TAGGING, AND RECENT TECHNIQUES IN AUTOMATIC LANGUAGE EVALUATION. FOCUSED STUDIES DESCRIBE TEXT MINING ON HISTORICAL TEXTS, AUTOMATED INDEXING USING CONSTRAINED VOCABULARIES, AND THE USE OF NATURAL LANGUAGE PROCESSING TO EXPLORE THE CLIMATE SCIENCE LITERATURE. INTERVIEWS ARE INCLUDED THAT OFFER A GLIMPSE INTO THE REAL-LIFE EXPERIENCE OF WORKING WITHIN COMMERCIAL AND ACADEMIC TEXT MINING. INTRODUCES TEXT ANALYSIS AND TEXT MINING TOOLS PROVIDES A COMPREHENSIVE OVERVIEW OF COSTS AND BENEFITS INTRODUCES THE TOPIC, MAKING IT ACCESSIBLE TO A GENERAL AUDIENCE IN A VARIETY OF FIELDS, INCLUDING EXAMPLES FROM BIOLOGY, CHEMISTRY, SOCIOLOGY, AND CRIMINOLOGY

📖 TEXTUAL ANALYSIS MADE EASY C. BRIAN TAYLOR, 2016-10-04 IN THIS NEW BOOK, YOU'LL LEARN HOW TO TEACH EVIDENCE-BASED WRITING USING A VARIETY OF TOOLS, ACTIVITIES, AND SAMPLE LITERARY TEXTS. SHOWING ELEMENTARY AND MIDDLE SCHOOL STUDENTS HOW TO THINK CRITICALLY ABOUT WHAT THEY'RE READING CAN BE A CHALLENGE, BUT AUTHOR C. BRIAN TAYLOR MAKES IT EASY BY PRESENTING TWELVE CRITICAL THINKING TOOLS ALONG WITH STEP-BY-STEP INSTRUCTIONS FOR IMPLEMENTING EACH ONE EFFECTIVELY IN THE CLASSROOM. YOU'LL LEARN HOW TO: DESIGN UNITS AND LESSON PLANS THAT GRADUALLY INTRODUCE YOUR STUDENTS TO MORE COMPLEX LEVELS OF TEXTUAL ANALYSIS; ENCOURAGE STUDENTS TO DIG

DEEPER BY USING THE 12 TOOLS FOR CRITICAL THINKING; HELP STUDENTS IDENTIFY CONTEXT AND ANALYZE QUOTES WITH THE EVIDENCE FINDER GRAPHIC ORGANIZER; USE THE SECRET RECIPE STRATEGY TO CONSTRUCT PERSUASIVE EVIDENCE-BASED RESPONSES THAT ANALYZE A TEXT'S CONTENT OR TECHNIQUE; CREATE CUE CARDS TO TEACH STUDENTS HOW TO RECOGNIZE AND DEFINE COMMON LITERARY DEVICES. THE BOOK ALSO OFFERS A SERIES OF EXTRA EXAMPLES USING MENTOR TEXTS, SO YOU CAN CLEARLY SEE HOW THE STRATEGIES IN THIS BOOK CAN BE APPLIED TO EXCERPTS FROM POPULAR, CANONICAL, AND SEMI-HISTORICAL LITERATURE. ADDITIONALLY, A NUMBER OF THE TOOLS AND TEMPLATES IN THE BOOK ARE AVAILABLE AS FREE ERESOURCES FROM OUR WEBSITE ([HTTP://WWW.ROUTLEDGE.COM/9781138950658](http://www.routledge.com/9781138950658)), SO YOU CAN START USING THEM IMMEDIATELY IN YOUR CLASSROOM.

 **TEXT ANALYSIS WITH R FOR STUDENTS OF LITERATURE** MATTHEW L. JOCKERS, 2014-06-10 TEXT ANALYSIS WITH R FOR STUDENTS OF LITERATURE IS WRITTEN WITH STUDENTS AND SCHOLARS OF LITERATURE IN MIND BUT WILL BE APPLICABLE TO OTHER HUMANISTS AND SOCIAL SCIENTISTS WISHING TO EXTEND THEIR METHODOLOGICAL TOOL KIT TO INCLUDE QUANTITATIVE AND COMPUTATIONAL APPROACHES TO THE STUDY OF TEXT. COMPUTATION PROVIDES ACCESS TO INFORMATION IN TEXT THAT WE SIMPLY CANNOT GATHER USING TRADITIONAL QUALITATIVE METHODS OF CLOSE READING AND HUMAN SYNTHESIS. TEXT ANALYSIS WITH R FOR STUDENTS OF LITERATURE PROVIDES A PRACTICAL INTRODUCTION TO COMPUTATIONAL TEXT ANALYSIS USING THE OPEN SOURCE PROGRAMMING LANGUAGE R. R IS EXTREMELY POPULAR THROUGHOUT THE SCIENCES AND BECAUSE OF ITS ACCESSIBILITY, R IS NOW USED INCREASINGLY IN OTHER RESEARCH AREAS. READERS BEGIN WORKING WITH TEXT RIGHT AWAY AND EACH CHAPTER WORKS THROUGH A NEW TECHNIQUE OR PROCESS SUCH THAT READERS GAIN A BROAD EXPOSURE TO CORE R PROCEDURES AND A BASIC UNDERSTANDING OF THE POSSIBILITIES OF COMPUTATIONAL TEXT ANALYSIS AT BOTH THE MICRO AND MACRO SCALE. EACH CHAPTER BUILDS ON THE PREVIOUS AS READERS MOVE FROM SMALL SCALE "MICROANALYSIS" OF SINGLE TEXTS TO LARGE SCALE "MACROANALYSIS" OF TEXT CORPORA, AND EACH CHAPTER CONCLUDES WITH A SET OF PRACTICE EXERCISES THAT REINFORCE AND EXPAND UPON THE CHAPTER LESSONS. THE BOOK'S FOCUS IS ON MAKING THE TECHNICAL PALATABLE AND MAKING THE TECHNICAL USEFUL AND IMMEDIATELY GRATIFYING.

 **BIG DATA FOR DUMMIES** JUDITH S. HURWITZ, ALAN NUGENT, FERN HALPER, MARCIA KAUFMAN, 2013-04-02 FIND THE RIGHT BIG DATA SOLUTION FOR YOUR BUSINESS OR ORGANIZATION BIG DATA MANAGEMENT IS ONE OF THE MAJOR CHALLENGES FACING BUSINESS, INDUSTRY, AND NOT-FOR-PROFIT ORGANIZATIONS. DATA SETS SUCH AS CUSTOMER TRANSACTIONS FOR A

MEGA-RETAILER, WEATHER PATTERNS MONITORED BY METEOROLOGISTS, OR SOCIAL NETWORK ACTIVITY CAN QUICKLY OUTPACE THE CAPACITY OF TRADITIONAL DATA MANAGEMENT TOOLS. IF YOU NEED TO DEVELOP OR MANAGE BIG DATA SOLUTIONS, YOU'LL APPRECIATE HOW THESE FOUR EXPERTS DEFINE, EXPLAIN, AND GUIDE YOU THROUGH THIS NEW AND OFTEN CONFUSING CONCEPT. YOU'LL LEARN WHAT IT IS, WHY IT MATTERS, AND HOW TO CHOOSE AND IMPLEMENT SOLUTIONS THAT WORK. EFFECTIVELY MANAGING BIG DATA IS AN ISSUE OF GROWING IMPORTANCE TO BUSINESSES, NOT-FOR-PROFIT ORGANIZATIONS, GOVERNMENT, AND IT PROFESSIONALS. AUTHORS ARE EXPERTS IN INFORMATION MANAGEMENT, BIG DATA, AND A VARIETY OF SOLUTIONS. EXPLAINS BIG DATA IN DETAIL AND DISCUSSES HOW TO SELECT AND IMPLEMENT A SOLUTION, SECURITY CONCERNS TO CONSIDER, DATA STORAGE AND PRESENTATION ISSUES, ANALYTICS, AND MUCH MORE. PROVIDES ESSENTIAL INFORMATION IN A NO-NONSENSE, EASY-TO-UNDERSTAND STYLE THAT IS EMPOWERING. BIG DATA FOR DUMMIES CUTS THROUGH THE CONFUSION AND HELPS YOU TAKE CHARGE OF BIG DATA SOLUTIONS FOR YOUR ORGANIZATION.

DIGITAL CLASSICAL PHILOLOGY MONICA BERTI, 2019-08-05 THANKS TO THE DIGITAL REVOLUTION, EVEN A TRADITIONAL DISCIPLINE LIKE PHILOLOGY HAS BEEN ENJOYING A RENAISSANCE WITHIN ACADEMIA AND BEYOND. DECADES OF WORK HAVE BEEN PRODUCING GROUNDBREAKING RESULTS, RAISING NEW RESEARCH QUESTIONS AND CREATING INNOVATIVE EDUCATIONAL RESOURCES. THIS BOOK DESCRIBES THE RAPIDLY DEVELOPING STATE OF THE ART OF DIGITAL PHILOLOGY WITH A FOCUS ON ANCIENT GREEK AND LATIN, THE CLASSICAL LANGUAGES OF WESTERN CULTURE. CONTRIBUTIONS COVER A WIDE RANGE OF TOPICS ABOUT THE ACCESSIBILITY AND ANALYSIS OF GREEK AND LATIN SOURCES. THE DISCUSSION IS ORGANIZED IN FIVE SECTIONS CONCERNING OPEN DATA OF GREEK AND LATIN TEXTS; CATALOGS AND CITATIONS OF AUTHORS AND WORKS; DATA ENTRY, COLLECTION AND ANALYSIS FOR CLASSICAL PHILOLOGY; CRITICAL EDITIONS AND ANNOTATIONS OF SOURCES; AND FINALLY LINGUISTIC ANNOTATIONS AND LEXICAL DATABASES. AS A WHOLE, THE VOLUME PROVIDES A COMPREHENSIVE OUTLINE OF AN EMERGENT RESEARCH FIELD FOR A NEW GENERATION OF SCHOLARS AND STUDENTS, EXPLAINING WHAT IS REACHABLE AND ANALYZABLE THAT WAS NOT BEFORE IN TERMS OF TECHNOLOGY AND ACCESSIBILITY.


TEXTUAL ANALYSIS MADE EASY C. BRIAN TAYLOR, 2016-10-04 IN THIS NEW BOOK, YOU'LL LEARN HOW TO TEACH EVIDENCE-BASED WRITING USING A VARIETY OF TOOLS, ACTIVITIES, AND SAMPLE LITERARY TEXTS. SHOWING ELEMENTARY AND MIDDLE SCHOOL STUDENTS HOW TO THINK CRITICALLY ABOUT WHAT THEY'RE READING CAN BE A CHALLENGE, BUT AUTHOR C. BRIAN TAYLOR MAKES IT EASY BY PRESENTING TWELVE CRITICAL THINKING TOOLS ALONG WITH STEP-BY-STEP INSTRUCTIONS FOR IMPLEMENTING EACH ONE EFFECTIVELY IN THE CLASSROOM. YOU'LL LEARN HOW TO: DESIGN UNITS AND LESSON PLANS THAT

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📖 **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 TECHNIQUES 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

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 APPLIED TEXT ANALYSIS WITH PYTHON BENJAMIN BENGFORT, REBECCA BILBRO, TONY OJEDA, 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

📖 *TEXT ANALYSIS PIPELINES* HENNING WACHSMUTH, 2015-12-02 THIS MONOGRAPH PROPOSES A COMPREHENSIVE AND FULLY AUTOMATIC APPROACH TO DESIGNING TEXT ANALYSIS PIPELINES FOR ARBITRARY INFORMATION NEEDS THAT ARE OPTIMAL IN TERMS OF RUN-TIME EFFICIENCY AND THAT ROBUSTLY MINE RELEVANT INFORMATION FROM TEXT OF ANY KIND. BASED ON STATE-OF-THE-ART TECHNIQUES FROM MACHINE LEARNING AND OTHER AREAS OF ARTIFICIAL INTELLIGENCE, NOVEL PIPELINE CONSTRUCTION AND EXECUTION ALGORITHMS ARE DEVELOPED AND IMPLEMENTED IN PROTOTYPICAL SOFTWARE. FORMAL ANALYSES OF THE ALGORITHMS AND EXTENSIVE EMPIRICAL EXPERIMENTS UNDERLINE THAT THE PROPOSED APPROACH REPRESENTS AN ESSENTIAL STEP TOWARDS THE AD-HOC USE OF TEXT MINING IN WEB SEARCH AND BIG DATA ANALYTICS. BOTH WEB SEARCH AND BIG DATA ANALYTICS AIM TO FULFILL PEOPLES' NEEDS FOR INFORMATION IN AN ADHOC MANNER. THE INFORMATION SOUGHT FOR IS OFTEN HIDDEN IN LARGE AMOUNTS OF NATURAL LANGUAGE TEXT. INSTEAD OF SIMPLY RETURNING LINKS TO POTENTIALLY RELEVANT TEXTS, LEADING SEARCH AND ANALYTICS ENGINES HAVE STARTED TO DIRECTLY MINE RELEVANT INFORMATION FROM THE TEXTS. TO THIS END, THEY EXECUTE TEXT ANALYSIS PIPELINES THAT MAY CONSIST OF SEVERAL COMPLEX INFORMATION-EXTRACTION AND TEXT-CLASSIFICATION STAGES. DUE TO PRACTICAL REQUIREMENTS OF EFFICIENCY AND ROBUSTNESS, HOWEVER, THE USE OF TEXT MINING HAS SO FAR BEEN LIMITED TO ANTICIPATED INFORMATION NEEDS THAT CAN BE FULFILLED WITH RATHER SIMPLE, MANUALLY CONSTRUCTED PIPELINES.

📖 *PRACTICAL TEXT ANALYTICS* MURUGAN ANANDARAJAN, CHELSEY HILL, THOMAS NOLAN, 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.

📖 *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--

📖 **SUPERVISED MACHINE LEARNING FOR TEXT ANALYSIS IN R** EMIL HVITFELDT, JULIA SILGE, 2021-10-22 TEXT DATA IS IMPORTANT FOR MANY DOMAINS, FROM HEALTHCARE TO MARKETING TO THE DIGITAL HUMANITIES, BUT SPECIALIZED APPROACHES ARE NECESSARY TO CREATE FEATURES FOR MACHINE LEARNING FROM LANGUAGE. SUPERVISED MACHINE LEARNING FOR TEXT ANALYSIS IN R EXPLAINS HOW TO PREPROCESS TEXT DATA FOR MODELING, TRAIN MODELS, AND EVALUATE MODEL PERFORMANCE USING TOOLS FROM THE TIDYVERSE AND TIDYMODELS ECOSYSTEM. MODELS LIKE THESE CAN BE USED TO MAKE PREDICTIONS FOR NEW OBSERVATIONS, TO UNDERSTAND WHAT NATURAL LANGUAGE FEATURES OR CHARACTERISTICS CONTRIBUTE TO DIFFERENCES IN THE OUTPUT, AND MORE. IF YOU ARE ALREADY FAMILIAR WITH THE BASICS OF PREDICTIVE MODELING, USE THE COMPREHENSIVE, DETAILED EXAMPLES IN THIS BOOK TO EXTEND YOUR SKILLS TO THE DOMAIN OF NATURAL LANGUAGE PROCESSING. THIS BOOK PROVIDES PRACTICAL GUIDANCE AND DIRECTLY APPLICABLE KNOWLEDGE FOR DATA SCIENTISTS AND ANALYSTS WHO WANT TO INTEGRATE UNSTRUCTURED TEXT DATA INTO THEIR MODELING PIPELINES. LEARN HOW TO USE TEXT DATA FOR BOTH REGRESSION

AND CLASSIFICATION TASKS, AND HOW TO APPLY MORE STRAIGHTFORWARD ALGORITHMS LIKE REGULARIZED REGRESSION OR SUPPORT VECTOR MACHINES AS WELL AS DEEP LEARNING APPROACHES. NATURAL LANGUAGE MUST BE DRAMATICALLY TRANSFORMED TO BE READY FOR COMPUTATION, SO WE EXPLORE TYPICAL TEXT PREPROCESSING AND FEATURE ENGINEERING STEPS LIKE TOKENIZATION AND WORD EMBEDDINGS FROM THE GROUND UP. THESE STEPS INFLUENCE MODEL RESULTS IN WAYS WE CAN MEASURE, BOTH IN TERMS OF MODEL METRICS AND OTHER TANGIBLE CONSEQUENCES SUCH AS HOW FAIR OR APPROPRIATE MODEL RESULTS ARE.

📖 *TEXT ANALYTICS* DOMENICA FIOREDISTELLA IZZI, DAMON MAYAFFRE, MICHELANGELO MISURACA, 2020-11-24 FOCUSING ON METHODOLOGIES, APPLICATIONS AND CHALLENGES OF TEXTUAL DATA ANALYSIS AND RELATED FIELDS, THIS BOOK GATHERS SELECTED AND PEER-REVIEWED CONTRIBUTIONS PRESENTED AT THE 14TH INTERNATIONAL CONFERENCE ON STATISTICAL ANALYSIS OF TEXTUAL DATA (JADT 2018), HELD IN ROME, ITALY, ON JUNE 12-15, 2018. STATISTICAL ANALYSIS OF TEXTUAL DATA IS A MULTIDISCIPLINARY FIELD OF RESEARCH THAT HAS BEEN MAINLY FOSTERED BY STATISTICS, LINGUISTICS, MATHEMATICS AND COMPUTER SCIENCE. THE RESPECTIVE SECTIONS OF THE BOOK FOCUS ON TECHNIQUES, METHODS AND MODELS FOR TEXT ANALYTICS, DICTIONARIES AND SPECIFIC LANGUAGES, MULTILINGUAL TEXT ANALYSIS, AND THE APPLICATIONS OF TEXT ANALYTICS. THE INTERDISCIPLINARY CONTRIBUTIONS COVER TOPICS INCLUDING TEXT MINING, TEXT ANALYTICS, NETWORK TEXT ANALYSIS, INFORMATION EXTRACTION, SENTIMENT ANALYSIS, WEB MINING, SOCIAL MEDIA ANALYSIS, CORPUS AND QUANTITATIVE LINGUISTICS, STATISTICAL AND COMPUTATIONAL METHODS, AND TEXTUAL DATA IN SOCIOLOGY, PSYCHOLOGY, POLITICS, LAW AND MARKETING.

📖 *INTRODUCTION TO LINGUISTIC ANNOTATION AND TEXT ANALYTICS* GRAHAM WILCOCK, 2022-05-31 LINGUISTIC ANNOTATION AND TEXT ANALYTICS ARE ACTIVE AREAS OF RESEARCH AND DEVELOPMENT, WITH ACADEMIC CONFERENCES AND INDUSTRY EVENTS SUCH AS THE LINGUISTIC ANNOTATION WORKSHOPS AND THE ANNUAL TEXT ANALYTICS SUMMITS. THIS BOOK PROVIDES A BASIC INTRODUCTION TO BOTH FIELDS, AND AIMS TO SHOW THAT GOOD LINGUISTIC ANNOTATIONS ARE THE ESSENTIAL FOUNDATION FOR GOOD TEXT ANALYTICS. AFTER BRIEFLY REVIEWING THE BASICS OF XML, WITH PRACTICAL EXERCISES ILLUSTRATING IN-LINE AND STAND-OFF ANNOTATIONS, A CHAPTER IS DEVOTED TO EXPLAINING THE DIFFERENT LEVELS OF LINGUISTIC ANNOTATIONS. THE READER IS ENCOURAGED TO CREATE EXAMPLE ANNOTATIONS USING THE WORDFREAK LINGUISTIC ANNOTATION TOOL. THE NEXT CHAPTER SHOWS HOW ANNOTATIONS CAN BE CREATED AUTOMATICALLY USING STATISTICAL NLP TOOLS, AND COMPARES TWO SETS OF TOOLS, THE OPENNLP AND STANFORD NLP TOOLS. THE SECOND

HALF OF THE BOOK DESCRIBES DIFFERENT ANNOTATION FORMATS AND GIVES PRACTICAL EXAMPLES OF HOW TO INTERCHANGE ANNOTATIONS BETWEEN DIFFERENT FORMATS USING XSLT TRANSFORMATIONS. THE TWO MAIN TEXT ANALYTICS ARCHITECTURES, GATE AND UIMA, ARE THEN DESCRIBED AND COMPARED, WITH PRACTICAL EXERCISES SHOWING HOW TO CONFIGURE AND CUSTOMIZE THEM. THE FINAL CHAPTER IS AN INTRODUCTION TO TEXT ANALYTICS, DESCRIBING THE MAIN APPLICATIONS AND FUNCTIONS INCLUDING NAMED ENTITY RECOGNITION, COREFERENCE RESOLUTION AND INFORMATION EXTRACTION, WITH PRACTICAL EXAMPLES USING BOTH OPEN SOURCE AND COMMERCIAL TOOLS. COPIES OF THE EXAMPLE FILES, SCRIPTS, AND STYLESHEETS USED IN THE BOOK ARE AVAILABLE FROM THE COMPANION WEBSITE, LOCATED AT THE BOOK WEBSITE. TABLE OF CONTENTS: WORKING WITH XML / LINGUISTIC ANNOTATION / USING STATISTICAL NLP TOOLS / ANNOTATION INTERCHANGE / ANNOTATION ARCHITECTURES / TEXT ANALYTICS

❑ TEXT MINING AND ANALYSIS DR. GOUTAM CHAKRABORTY, MURALI PAGOLU, SATISH GARLA, 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.

EMBRACING THE MELODY OF APPEARANCE: AN MENTAL SYMPHONY WITHIN **TEXT ANALYSIS TOOL**

IN A WORLD USED BY MONITORS AND THE CEASELESS CHATTER OF IMMEDIATE TRANSMISSION, THE MELODIC ELEGANCE AND PSYCHOLOGICAL SYMPHONY DEVELOPED BY THE PUBLISHED TERM USUALLY FADE IN TO THE BACKGROUND, ECLIPSED BY THE PERSISTENT SOUND AND INTERRUPTIONS THAT PERMEATE OUR LIVES. NEVERTHELESS, NESTLED WITHIN THE PAGES OF **TEXT ANALYSIS TOOL** A CHARMING FICTIONAL VALUE FILLED WITH ORGANIC EMOTIONS, LIES AN IMMERSIVE SYMPHONY WAITING TO BE EMBRACED. CONSTRUCTED BY AN ELEGANT COMPOSER OF LANGUAGE, THIS CHARMING MASTERPIECE CONDUCTS READERS ON A MENTAL TRIP, WELL UNRAVELING THE HIDDEN MELODIES AND PROFOUND INFLUENCE RESONATING WITHIN EACH CAREFULLY CONSTRUCTED PHRASE. WITHIN THE DEPTHS OF THIS MOVING ANALYSIS, WE SHALL EXPLORE THE BOOK'S MAIN HARMONIES, ANALYZE ITS ENTHRALLING WRITING STYLE, AND SURRENDER OURSELVES TO THE PROFOUND RESONANCE THAT ECHOES IN THE DEPTHS OF READERS' SOULS.

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TEXT ANALYSIS TOOL INTRODUCTION

IN THIS DIGITAL AGE, THE CONVENIENCE OF ACCESSING INFORMATION AT OUR FINGERTIPS HAS BECOME A NECESSITY. WHETHER ITS RESEARCH PAPERS, EBOOKS, OR USER MANUALS, PDF FILES HAVE BECOME THE PREFERRED FORMAT FOR SHARING AND READING DOCUMENTS. HOWEVER, THE COST ASSOCIATED WITH PURCHASING PDF FILES CAN SOMETIMES BE A BARRIER FOR MANY INDIVIDUALS AND ORGANIZATIONS. THANKFULLY, THERE ARE NUMEROUS WEBSITES AND PLATFORMS THAT ALLOW USERS TO DOWNLOAD FREE PDF FILES LEGALLY. IN THIS ARTICLE, WE WILL EXPLORE SOME OF THE BEST PLATFORMS TO DOWNLOAD FREE PDFs. ONE OF THE MOST POPULAR PLATFORMS TO DOWNLOAD FREE PDF FILES IS PROJECT GUTENBERG. THIS ONLINE LIBRARY OFFERS OVER 60,000 FREE EBOOKS THAT ARE IN THE PUBLIC DOMAIN. FROM CLASSIC LITERATURE TO HISTORICAL DOCUMENTS, PROJECT

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SENTENCE FOUR LINES BELOW EQUATION (1.1), THE BOOK SAYS. “(SINCE WE ALSO HAVE $x \in C$)” WHEN IT SHOULD INSTEAD SAY “(SINCE WE ... DISCRETE MATHEMATICS: ELEMENTARY AND BEYOND THIS BOOK IS AN EXCELLENT INTRODUCTION TO A LOT OF PROBLEMS OF DISCRETE MATHEMATICS. THE AUTHORS DISCUSS A NUMBER OF SELECTED RESULTS AND METHODS. DISCRETE MATHEMATICS: ELEMENTARY AND BEYOND - 1ST EDITION FIND STEP-BY-STEP SOLUTIONS AND ANSWERS TO DISCRETE MATHEMATICS: ELEMENTARY AND BEYOND - 9780387955841, AS WELL AS THOUSANDS OF TEXTBOOKS SO YOU CAN MOVE ... BUY CHEAP DISCRETE MATHEMATICS TEXTBOOKS ONLINE DISCRETE MATHEMATICS | BROWSE NEW AND USED DISCRETE MATHEMATICS TEXTBOOKS & TEXTBOOK RENTALS | VALOREBOOKS.COM. COMING TO AMERICA (SECOND EDITION) - HARPERCOLLINS PUBLISHERS COMING TO AMERICA (SECOND EDITION) -

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EDITION). A HISTORY OF IMMIGRATION AND ETHNICITY IN AMERICAN LIFE. ROGER DANIELS. READ THIS BOOK NOW. COMING TO AMERICA (SECOND EDITION) - ROGER DANIELS OCT 1, 2019 — FORMER PROFESSOR ROGER DANIELS DOES HIS UTMOST TO CAPTURE THE HISTORY OF IMMIGRATION TO AMERICA AS ACCURATELY AS POSSIBLE IN THIS DEFINITIVE ... CHI HEALTH IMMANUEL CHI HEALTH IMMANUEL IS A TOP RANKED HOSPITAL IN OMAHA, NEBRASKA WITH DOCTORS SPECIALIZING IN BACK AND SPINE, BARIATRIC SURGERY, REHAB AND CANCER CARE. MAPS & DIRECTIONS - CHI HEALTH IMMANUEL MAPS AND DIRECTIONS FOR CHI HEALTH IMMANUEL IN OMAHA, NEBRASKA. ... (402) 572-2121. RELATED LINKS. CHI HEALTH CREIGHTON UNIVERSITY MEDICAL CENTER - BERGAN MERCY. CHI HEALTH IMMANUEL | OMAHA NE CHI HEALTH IMMANUEL • PAGE • HOSPITAL • (402) 572-2121 • CHIHEALTH.COM/CONTENT/CHI-

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