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KEY=NLP - KHAN BRAXTON

Engaging NLP for Work Andrews UK Limited **Neuro Linguistic Programming has long been a popular management training tool used in companies all over the world for; Sales, Leadership, Managing people, Managing change, Motivation, Goal setting. NLP For Work gives you access to the latest NLP tools and techniques to help you; Feel confident in the workplace, Access your core skills, Drive your career forward, Learn new skills, Communicate effectively, Give impressive presentations, Write clearly and concisely, Manage reviews and feedback, Network with excellence, Get a win win in negotiations. Practical Natural Language Processing A Comprehensive Guide to Building Real-World NLP Systems** O'Reilly Media **Many books and courses tackle natural language processing (NLP) problems with toy use cases and well-defined datasets. But if you want to build, iterate, and scale NLP systems in a business setting and tailor them for particular industry verticals, this is your guide. Software engineers and data scientists will learn how to navigate the maze of options available at each step of the journey. Through the course of the book, authors Sowmya Vajjala, Bodhisattwa Majumder, Anuj Gupta, and Harshit Surana will guide you through the process of building real-world NLP solutions embedded in larger product setups. You'll learn how to adapt your solutions for different industry verticals such as healthcare, social media, and retail. With this book, you'll: Understand the wide spectrum of problem statements, tasks, and solution approaches within NLP Implement and evaluate different NLP applications using machine learning and deep learning methods Fine-tune your NLP solution based on your business problem and industry vertical Evaluate various algorithms and approaches for NLP product tasks, datasets, and stages Produce software solutions following best practices around release, deployment, and DevOps for NLP systems Understand best practices, opportunities, and the roadmap for NLP from a business and product leader's perspective Neuro-Linguistic Programming A Critical Appreciation for Managers and Developers** Springer **Addressing the need for a discerning, research-based discussion of NLP, this book seeks to answer the many questions that clients, potential users and practitioners ask, including: what is NLP and what can it best be used for? This book looks at the research and theory behind NLP, also exploring claims that it is a `pseudoscience'. NLP The Essential Guide to Neuro-Linguistic Programming** Harper Collins **By the team behind the bestselling NLP: The New Technology of Achievement comes an essential new guide to NLP techniques—for self-development and influencing others—in a focused, step-by-step handbook. NLP (Neuro-Linguistic Programming) has already helped millions of people overcome fears, increase confidence, enrich relationships, and achieve greater success. Now, from the company and training team behind NLP: The New Technology of Achievement, one of the bestselling NLP books of all time, comes NLP: The Essential Guide to Neuro-Linguistic Programming \. Written by three NLP Master Practitioners and training coaches, including the president of NLP Comprehensive, with an introduction from the President of NLP Comprehensive, NLP: The Essential Guide to Neuro-Linguistic Programming guides users to peak performance in business and life, and gets specific results. In twelve illuminating sections, NLP: The Essential Guide to Neuro-Linguistic Programming leads you through dozens of "discoveries"—revelations of NLP practice that enable you to explore your own personal thinking patterns, to manage them—and to transform them. Divided into two categories, "All About You" and "All About the Other Guy," these strategies offer a personal and interpersonal program that frees you to become better at managing your feelings instead of being dominated by them, managing your motivations, being less judgmental, more productive, more confident, more flexible, more persuasive, liked, and respected. Chapters on "Personal Remodeling" (Discovery 9: No inner enemy) and "Secrets of Making Your Point" (Discovery 31: Convey understanding and safety without talking), enhance creativity, collaboration, cooperation, and communication. Through "mind reading" techniques—non-verbal communication, and "hearing what's missing"—learn the secrets of relating with others, understanding how they are thinking—and influencing them. A streamlined all-purpose guide for both newcomers and NLP veterans, NLP: The Essential Guide to Neuro-Linguistic Programming is the new all-in-one, eye-opening blueprint for your own ultimate success. Changing with NLP A Casebook of Neuro-linguistic Programming in Medical Practice** Radcliffe Publishing **For medical practitioners considering incorporating neuro-linguistic programming into their practice, a UK general practitioner/NLP trainer introduces the theoretical basis, techniques, and clinical applications of this behavioral change model that takes onto account eye movements as neurological indicators. Dr. Walker includes exercises, a sample chart for exploring subjective experience, the NLP meta-model, eye-accessing cues, useful questions to ask patients and tips on when to use them. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com). EBOOK: NLP Coaching** McGraw-Hill Education (UK) **What are the links**

between NLP (Neuro-Linguistic Programming) and coaching? How can an NLP-influenced approach help to coach clients effectively? How can a coach use NLP approaches with confidence? This book is a practical guide for executive coaches who would like to introduce elements of NLP into their coaching. NLP can be used to help individuals attain high performance in their lives and work, and this book allows practising coaches to utilise an NLP approach to achieve outstanding results for their executive clients. Based upon skills developed by the author over many years, the book describes a practical NLP-influenced approach to some of the issues that arise most frequently in executive coaching, such as: Career or life development issues Issues of confidence in the workplace Relationship issues Goal-setting Resolution of dilemmas There is clear description of what executive coaching actually is, and a similar description of NLP, plus an account of what these have in common and how they can complement each other. Some of the possible pitfalls that can arise in trying the techniques are also included, in order that coaches can avoid mistakes in their use. Issues are illustrated throughout using case studies, diagrams and examples of real coaching experiences. NLP Coaching will help practising, professional executive and life coaches achieve outstanding results for their clients, and provides essential reading for practitioners and students of NLP who need a practical guide on how to use their skills in a coaching context. The Life Transforming power of NLP Your true power lies within your mind. Nothing is impossible Notion Press "One can have no greater mastery than mastery of oneself " – Leonardo da Vinci. Most people are not aware of the patterns and habits within them that run their lives. The only person you should be better than is the person you were yesterday, and this book shows you how. Learn how to: Ø Take self-awareness to a new level through NLP Sensory Acuity Exercises. Ø Discover and deal with suppressed emotions and self-destructive thought patterns. Ø Learn how to resolve inner conflicts and live in peace with yourself. Ø Release old patterns and write your own life script. Ø Scale new heights with NLP Belief Change Exercise. Ø Train your brain to work for you, not against you, in everyday situations. Ø Discover the power within you and forever change the way you relate to yourself and others. Natural Language Processing with Python Analyzing Text with the Natural Language Toolkit "O'Reilly Media, Inc." This book offers a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, Natural Language Processing with Python will help you: Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence This book will help you gain practical skills in natural language processing using the Python programming language and the Natural Language Toolkit (NLTK) open source library. If you're interested in developing web applications, analyzing multilingual news sources, or documenting endangered languages -- or if you're simply curious to have a programmer's perspective on how human language works -- you'll find Natural Language Processing with Python both fascinating and immensely useful. Natural Language Processing - NLP 2000 Second International Conference Patras, Greece, June 2-4, 2000 Proceedings Springer This volume contains the papers prepared for the 2nd International Conference on Natural Language Processing, held 2-4 June in Patras, Greece. The conference program features invited talks and submitted papers, c- ering a wide range of NLP areas: text segmentation, morphological analysis, lexical knowledge acquisition and representation, grammar formalism and s- tacticparsing,discourse analysis,languagegeneration,man-machineinteraction, machine translation, word sense disambiguation, and information extraction. The program committee received 71 abstracts, of which unfortunately no more than 50% could be accepted. Every paper was reviewed by at least two reviewers. The fairness of the reviewing process is demonstrated by the broad spread of institutions and countries represented in the accepted papers. So many have contributed to the success of the conference. The primary credit, ofcourse, goes to theauthors andto the invitedspeakers. By theirpapers and their inspired talks they established the quality of the conference. Secondly, thanks should go to the referees and to the program committee members who did a thorough and conscientious job. It was not easy to select the papers to be presented. Last, but not least, my special thanks to the organizing committee for making this conference happen. Nlp Coaching McGraw-Hill Education (UK) This book is a practical guide for executive coaches who would like to introduce elements of NLP into their coaching. NLP can be used to help individuals attain high performance in their lives and work, and this book allows practising coaches to utilise an NLP approach to achieve outstanding results for their executive clients. Consulting with NLP Neuro-Linguistic Programming in the Medical Consultation CRC Press This extraordinary and practical book examines neuro linguistic programming (NLP) - the knowledge and skills to detect and affect thinking patterns - and applies it to each phase of the medical consultation. It outlines the NLP tools most useful to physicians who wish to understand and utilise the dynamic structure underlying the processes used by excellent communicators. It explains how improving communication skills and developing new models of consultation to incorporate into daily practice not only helps healthcare professionals become better communicators, but reassures patients, alleviating suffering and promoting healing. This book provides many case examples and includes skill based exercises to ensure easy and effective learning. There are unique, fresh perspectives on challenging areas such as anger and aggression, dealing with complaints, breaking bad news, the heartsink patient, uncovering hidden depression and telephone consulting skills. It is relevant to all healthcare professionals, and of special interest to general practitioners, GP trainers, counsellors and medical students. Neuro-linguistic Programming For Dummies John Wiley & Sons Turn thoughts into positive action with neuro-linguistic programming Neuro-linguistic programming (NLP) has taken the psychology world by storm. So much more than just another

quick-fix or a run-of-the-mill self-help technique, NLP shows real people how to evaluate the ways in which they think, strategise, manage their emotional state and view the world. This then enables them to positively change the way they set and achieve goals, build relationships with others, communicate and enhance their overall life skills. Sounds great, right? But where do you begin? Thankfully, that's where this friendly and accessible guide comes in! Free of intimidating jargon and packed with lots of easy-to-follow guidance which you can put in to use straight away, Neuro-linguistic Programming For Dummies provides the essential building blocks of NLP and shows you how to get to grips with this powerful self-help technique. Highlighting key NLP topics, it helps you recognize and leverage your psychological perspective in a positive fashion to build self-confidence, communicate effectively and make life-changing decisions with confidence and ease. Includes updated information on the latest advances in neuroscience Covers mindfulness coaching, social media and NLP in the digital world Helps you understand the power of communication Shows you how to make change easier If you're new to this widely known and heralded personal growth technique—either as a practitioner or homegrown student—Neuro-linguistic Programming For Dummies covers everything you need to benefit from all it has to offer. Foundations of Statistical Natural Language Processing MIT Press Statistical approaches to processing natural language text have become dominant in recent years. This foundational text is the first comprehensive introduction to statistical natural language processing (NLP) to appear. The book contains all the theory and algorithms needed for building NLP tools. It provides broad but rigorous coverage of mathematical and linguistic foundations, as well as detailed discussion of statistical methods, allowing students and researchers to construct their own implementations. The book covers collocation finding, word sense disambiguation, probabilistic parsing, information retrieval, and other applications. Neuro-linguistic Programming For Dummies John Wiley & Sons Learn how to apply NLP to fine-tune life skills, build rapport, enhance communication, and become more persuasive One of the most exciting psychological techniques in use today, neuro-linguistic programming helps you model yourself on those-or, more accurately, the thought processes of those-who are stellar in their fields. Rooted in behavioral psychology of the 1970s, the concepts of NLP are now common to such diverse areas as business, education, sports, health, music and the performing arts-and have been instrumental in helping people change and improve their professional and personal lives. In this handy, informative guide, you will acquire a basic toolkit of NLP techniques, with advice on the NLP approach to goal-setting, as well as insights on how you think, form mental strategies, manage emotional states, and, finally, understand the world. With new content on new code NLP, symbolic modeling, clean language in the workplace and energetic NLP-techniques developed after the first edition Includes updated information throughout and two new chapters: Dipping into Modeling and Making Change Easier Not simply a guide to reprogramming your negative or habitual thoughts, this practical, down-to-earth introduction to NLP is the first step to fulfilling personal and professional ambitions and achieving excellence in every sphere of your life. Advances in Natural Language Processing, Intelligent Informatics and Smart Technology Selected Revised Papers from the Eleventh International Symposium on Natural Language Processing (SNLP-2016) and the First Workshop in Intelligent Informatics and Smart Technology, 10-12 February 2016, Phranakhon, Si Ayutthaya, Thailand Springer This book constitutes the thoroughly refereed proceedings of the Eleventh International Symposium on Natural Language Processing (SNLP-2016), held in Phranakhon Si Ayutthaya, Thailand on February 10-12, 2016. The SNLP promotes research in natural language processing and related fields, and provides a unique opportunity for researchers, professionals and practitioners to discuss various current and advanced issues of interest in NLP. The 2016 symposium was expanded to include the First Workshop in Intelligent Informatics and Smart Technology. Of the 66 high-quality papers accepted, this book presents twelve from the Symposium on Natural Language Processing track and ten from the Workshop in Intelligent Informatics and Smart Technology track (SSAI: Special Session on Artificial Intelligence). Natural Language Processing In Healthcare A Special Focus on Low Resource Languages CRC Press Natural Language Processing In Healthcare: A Special Focus on Low Resource Languages covers the theoretical and practical aspects as well as ethical and social implications of NLP in healthcare. It showcases the latest research and developments contributing to the rising awareness and importance of maintaining linguistic diversity. The book goes on to present current advances and scenarios based on solutions in healthcare and low resource languages and identifies the major challenges and opportunities that will impact NLP in clinical practice and health studies. Handbook of Natural Language Processing CRC Press The Handbook of Natural Language Processing, Second Edition presents practical tools and techniques for implementing natural language processing in computer systems. Along with removing outdated material, this edition updates every chapter and expands the content to include emerging areas, such as sentiment analysis.New to the Second EditionGreater Foundations of Statistical Natural Language Processing MIT Press Statistical approaches to processing natural language text have become dominant in recent years. This foundational text is the first comprehensive introduction to statistical natural language processing (NLP) to appear. The book contains all the theory and algorithms needed for building NLP tools. It provides broad but rigorous coverage of mathematical and linguistic foundations, as well as detailed discussion of statistical methods, allowing students and researchers to construct their own implementations. The book covers collocation finding, word sense disambiguation, probabilistic parsing, information retrieval, and other applications. Natural Language Processing as a Foundation of the Semantic Web Now Publishers Inc Looks at how Natural language Processing underpins the Semantic Web, including its initial construction from unstructured sources like the World Wide Web. Chinese Computational Linguistics and Natural Language Processing Based on Naturally Annotated Big Data 15th China National Conference, CCL 2016, and 4th International Symposium, NLP-NABD 2016, Yantai, China, October 15-16, 2016, Proceedings Springer This book constitutes the proceedings of the 15th China National Conference on Computational Linguistics, CCL 2016, and the 4th International Symposium on Natural Language Processing Based on Naturally Annotated Big Data, NLP-NABD 2016,

held in Yantai City, China, in October 2016. The 29 full papers and 8 short papers presented in this volume were carefully reviewed and selected from 85 submissions. They were organized in topical sections named: semantics; machine translation; multilinguality in NLP; knowledge graph and information extraction; linguistic resource annotation and evaluation; information retrieval and question answering; text classification and summarization; social computing and sentiment analysis; and NLP applications. Be a Happier Parent with NLP Practical guidance and neurolinguistic programming techniques for fulfilling, confident parenting Hachette UK Be A Happier Parent with NLP will give you exactly the skills you need to raise a confident, secure child in a confident and secure manner. It uses the tried, trusted and proven techniques of neuro-linguistic programming to help tackle areas in which you feel you lack confidence as a parent, while at the same time giving you the skills to help your child be happy, fulfilled and confident themselves. You will find yourself feeling less guilty, more in control, and communicating better with your child - at the same time you will be able to support your child in difficult situations and help them grow into a well-rounded adult. Mother Jones Magazine Mother Jones is an award-winning national magazine widely respected for its groundbreaking investigative reporting and coverage of sustainability and environmental issues. Natural Language Annotation for Machine Learning A Guide to Corpus-Building for Applications "O'Reilly Media, Inc." Create your own natural language training corpus for machine learning. Whether you're working with English, Chinese, or any other natural language, this hands-on book guides you through a proven annotation development cycle—the process of adding metadata to your training corpus to help ML algorithms work more efficiently. You don't need any programming or linguistics experience to get started. Using detailed examples at every step, you'll learn how the MATTER Annotation Development Process helps you Model, Annotate, Train, Test, Evaluate, and Revise your training corpus. You also get a complete walkthrough of a real-world annotation project. Define a clear annotation goal before collecting your dataset (corpus) Learn tools for analyzing the linguistic content of your corpus Build a model and specification for your annotation project Examine the different annotation formats, from basic XML to the Linguistic Annotation Framework Create a gold standard corpus that can be used to train and test ML algorithms Select the ML algorithms that will process your annotated data Evaluate the test results and revise your annotation task Learn how to use lightweight software for annotating texts and adjudicating the annotations This book is a perfect companion to O'Reilly's Natural Language Processing with Python. NLP Workbook: A practical guide to achieving the results you want HarperCollins UK A practical, creative guidebook to achieving the results you want using Neuro Linguistinc Programming techniques, now in e-book form. The NLP Brain Builder Self-coaching strategies for surviving and thriving Hachette UK Adaptation is imperative if you want to succeed in the 21st century. THE NLP BRAIN BUILDER increases your chances of adapting to a world of change, challenge and opportunity so that you not only survive but actually thrive. We all get stuck in our ways of thinking and we need to change our way of thinking in order to become more flexible, better able to make decisions quickly, reach solutions, spot and grasp new opportunities, assess short-term and long-term outcomes, turn crises around, prioritise, etc. THE NLP BRAIN BUILDER teaches you simple and effective NLP (neuro linguistic programming) techniques that will enable you to change your way of thinking. Wendy Jago, a business coach and NLP Master Practitioner, reveals the powerful techniques that she has used to help her high-flying clients in both public and private sectors to become more successful. Whatever your starting point, she shows you how to build mental agility just as you build physical fitness - and, with its help, manage and enjoy your professional and personal life much more. Natural Language Processing with SAS Special Collection Natural Language Processing (NLP) is a branch of artificial intelligence that helps computers understand, interpret, and emulate written or spoken human language. NLP draws from many disciplines including human-generated linguistic rules, machine learning, and deep learning to fill the gap between human communication and machine understanding. The papers included in this special collection demonstrate how NLP can be used to scale the human act of reading, organizing, and quantifying text data. Representation Learning for Natural Language Processing Springer Nature This open access book provides an overview of the recent advances in representation learning theory, algorithms and applications for natural language processing (NLP). It is divided into three parts. Part I presents the representation learning techniques for multiple language entries, including words, phrases, sentences and documents. Part II then introduces the representation techniques for those objects that are closely related to NLP, including entity-based world knowledge, sememe-based linguistic knowledge, networks, and cross-modal entries. Lastly, Part III provides open resource tools for representation learning techniques, and discusses the remaining challenges and future research directions. The theories and algorithms of representation learning presented can also benefit other related domains such as machine learning, social network analysis, semantic Web, information retrieval, data mining and computational biology. This book is intended for advanced undergraduate and graduate students, post-doctoral fellows, researchers, lecturers, and industrial engineers, as well as anyone interested in representation learning and natural language processing. Quantum NLP Thought Into Manifestation Hachette UK The wait is over. Humanity is going through a major learning curve on its path to maturity and we are already fully immersed in the adventure. Ideas that seemed impossible just five or ten years ago, are today becoming a part of the mass consciousness. Every person on Earth is playing a vital role in that global transformation of consciousness that we are presently experiencing, and every person's personal thoughts and actions are intricately intertwined with the greater journey we are all on together. Christiane Turner, NLP Trainer and Author, invites you to the magical place of self discovery and transformation that will lead to enhancing your own life and the contribution you are able to make to the larger systems you are a part of... your family, your community, your country and ultimately the whole planet. Let her gently guide you to new possibilities as she teaches you: Awareness - The first step towards transformation Acknowledgment - Being with what is Acceptance - Gratitude for the learning Appreciation - Being present in the moment Accountability - Being responsible Awakening - Raising Consciousness Brief

NLP Therapy SAGE `Of the many books on NLP, few deal with it specifically as psychotherapy and none so well as this one. All the usual strategies are there plus considerations on such matters as how the therapist benefits from using NLP, some excellent examples and case reports, written in a manner that is admirably suited to a professional readership. Top class´ - NLP World Neuro-Linguistic Programming has evolved as an effective approach to therapeutic work which originated in the study of excellence in communication. With its focus on enabling clients to find their own solutions and achieving their full potential, NLP is of increasing interest to many counsellors and psychotherapists. Brief NLP Therapy provides a much-needed guide to the core concepts underpinning NLP practice. Each concept is explained clearly in terms of its theoretical and historical development and its practical application within brief therapy. Each chapter also features a `skill-builder´ aimed at helping the reader develop the therapeutic techniques which stem from the theory. The application of NLP skills is demonstrated throughout with examples selected from practice and by two extended case studies at the end of the book which draw together the themes developed throughout. Ian McDermott and Wendy Jago present NLP as an approach not only to therapeutic work, but to life in general. Brief NLP Therapy will resonate with the many therapists who are looking to enhance their practice, but who are also interested in developing their own personal efficacy in all arenas. Speech & Language Processing Pearson Education India **Nlp for Work** MX Publishing Neuro Linguistic Programming has long been a popular management training tool used in companies all over the world for; Sales, Leadership, Managing people, Managing change, Motivation, Goal setting. NLP For Work gives you access to the latest NLP tools and techniques to help you; Feel confident in the workplace, Access your core skills, Drive your career forward, Learn new skills, Communicate effectively, Give impressive presentations, Write clearly and concisely, Manage reviews and feedback, Network with excellence, Get a win win in negotiations. Context PediaPress **Natural Language Processing with Python** O'Reilly Media This practical book provides a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, this second edition includes code updated for Python 3, shows you how to scale up for larger data sets, and covers the semantic web. Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence Introduction to Natural Language Processing MIT Press A survey of computational methods for understanding, generating, and manipulating human language, which offers a synthesis of classical representations and algorithms with contemporary machine learning techniques. This textbook provides a technical perspective on natural language processing—methods for building computer software that understands, generates, and manipulates human language. It emphasizes contemporary data-driven approaches, focusing on techniques from supervised and unsupervised machine learning. The first section establishes a foundation in machine learning by building a set of tools that will be used throughout the book and applying them to word-based textual analysis. The second section introduces structured representations of language, including sequences, trees, and graphs. The third section explores different approaches to the representation and analysis of linguistic meaning, ranging from formal logic to neural word embeddings. The final section offers chapter-length treatments of three transformative applications of natural language processing: information extraction, machine translation, and text generation. End-of-chapter exercises include both paper-and-pencil analysis and software implementation. The text synthesizes and distills a broad and diverse research literature, linking contemporary machine learning techniques with the field's linguistic and computational foundations. It is suitable for use in advanced undergraduate and graduate-level courses and as a reference for software engineers and data scientists. Readers should have a background in computer programming and college-level mathematics. After mastering the material presented, students will have the technical skill to build and analyze novel natural language processing systems and to understand the latest research in the field. Achieving Rural Development Using Neuro Linguistic Programming NLP Guide for Planners and People-helpers In Indian context. Natural Language Processing in Action Understanding, analyzing, and generating text with Python Simon and Schuster Summary Natural Language Processing in Action is your guide to creating machines that understand human language using the power of Python with its ecosystem of packages dedicated to NLP and AI. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Recent advances in deep learning empower applications to understand text and speech with extreme accuracy. The result? Chatbots that can imitate real people, meaningful resume-to-job matches, superb predictive search, and automatically generated document summaries—all at a low cost. New techniques, along with accessible tools like Keras and TensorFlow, make professional-quality NLP easier than ever before. About the Book Natural Language Processing in Action is your guide to building machines that can read and interpret human language. In it, you'll use readily available Python packages to capture the meaning in text and react accordingly. The book expands traditional NLP approaches to include neural networks, modern deep learning algorithms, and generative techniques as you tackle real-world problems like extracting dates and names, composing text, and answering free-form questions. What's inside Some sentences in this book were written by NLP! Can you guess which ones? Working with Keras, TensorFlow, gensim, and scikit-learn Rule-based and data-based NLP Scalable pipelines About the Reader This book requires a basic understanding of deep learning and intermediate Python skills. About the Author Hobson Lane, Cole Howard, and Hannes Max Hapke are experienced NLP engineers who use these techniques in production. Table of Contents PART 1 - WORDY MACHINES Packets of thought (NLP overview) Build

your vocabulary (word tokenization) Math with words (TF-IDF vectors) Finding meaning in word counts (semantic analysis) PART 2 - DEEPER LEARNING (NEURAL NETWORKS) Baby steps with neural networks (perceptrons and backpropagation) Reasoning with word vectors (Word2vec) Getting words in order with convolutional neural networks (CNNs) Loopy (recurrent) neural networks (RNNs) Improving retention with long short-term memory networks Sequence-to-sequence models and attention PART 3 - GETTING REAL (REAL-WORLD NLP CHALLENGES) Information extraction (named entity extraction and question answering) Getting chatty (dialog engines) Scaling up (optimization, parallelization, and batch processing) Personal Development All-in-One John Wiley & Sons Provides information for self-improvement and self-actualization, including achieving goals, overcoming anxiety, and communicating with others. Achievement and Assurance of Safety Proceedings of the Third Safety-critical Systems Symposium Springer Science & Business Media Each year there are improvements in safety-critical system technology. These arise both from developments in the contributing technologies, such as safety engineering, software engineering, human factors and risk assessment, and from the adoption or adaptation of appropriate techniques from other domains, such as security. For these improvements to be of real benefit, they need to be applied during the appropriate stage in the life cycle of the system, whether it be development, assessment, or operation. For this to occur, they must be communicated and explained. Each year the Safety-critical Systems Symposium offers a distinguished forum for the presentation of papers on such developments, and also for papers from industry on the lessons learned from the use of technologies and methods. The results of many collaborative research projects, with components from both industry and academia, are reported in a universally understandable form. In 1995 the Symposium was held in Brighton, a venue calculated to stimulate not just the presenters of papers, but all the delegates. Yet, this book of Proceedings is intended not only for the delegates but also for readers not able to attend the event itself. We welcome both categories of reader. Delegates have the benefit of attending the presentations and the opportunity to participate in the discussions; those who take up this book after the event can peruse it attheir leisure and, perhaps, on account of it will resolve to attend subsequent symposia. C D A Journal Treating Abuse Today