

Phonetic Data Analysis An Introduction To Pdf Pdf

Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound, form, meaning, and language change), and in addition provides full coverage of contextual linguistics, ...

Phonetic Data Analysis 2003-09-26 Peter Ladefoged Describing how people talk requires recording and analyzing phonetic data. This is true for researchers investigating the variant pronunciations of street names in Los Angeles, missionaries translating the Bible into a little-known tongue, and scholars obtaining data from a carefully controlled group in a laboratory experiment. Phonetic Data Analysis examines the procedures involved in describing the sounds of a language and illustrates the basic techniques of experimental phonetics, most of them requiring little more than a tape recorder, a video camera, and a computer. This book enables readers to work with a speaker in a classroom setting or to go out into the field and make their own discoveries about how the sounds of a language are made. Peter Ladefoged, one of the world's leading phoneticians, introduces the experimental phonetic techniques for describing the major phonetic characteristics of any language. Throughout the book there are also comments, written in a more anecdotal fashion, on Ladefoged's own fieldwork.

The Acehnese Language and Society: Language and Linguistics 2022-10-27 Maya Safhida, dkk Indonesia is a pluralistic nation, consisting of various ethnic groups throughout the country. Each tribe has its own language to communicate, both among ethnic and inter-ethnic groups. Language has an important role as a means of communication for humans to convey their intentions, and ideas, and express themselves in interactions in society. The Acehnese language is one of the regional languages in Aceh Province, one of the provinces out of 37 provinces in Indonesia. This language is one of the languages with the largest number of speakers in the province. It dominates in the acquisition of the language of the people in Aceh. However, until now, few people know about the fundamentals of the Acehnese language. Structurally, the Acehnese language has many unique features. One of its uniqueness is the phonological aspect or the sound of the language. The Acehnese language has a higher number of phonemes when compared to other regional languages in Aceh, even Indonesian. Another of its uniqueness, for example, is in the aspect of vocabulary and how some word differences are seen in the varieties of Acehnese spoken throughout the province, country, and even those speakers who reside in other countries. There are also many social factors in Acehnese society that affect the meaning of a particular word or phrase in this language. Therefore, we had invited researchers and practitioners to contribute to writing the book 'The Acehnese Language and Society', as part of the Universitas Syiah Kuala Press Book Series 'Language and Linguistics'.

The Concise Encyclopedia of Applied Linguistics 2019-11-20 Carol A. Chapelle Offers a wide-ranging overview of the issues and research approaches in the diverse field of applied linguistics Applied linguistics is an interdisciplinary field that identifies, examines, and seeks solutions to real-life language-related issues. Such issues often occur in situations of language contact and technological innovation, where language problems can range from explaining misunderstandings in face-to-face oral conversation to designing automated speech recognition systems for business. The Concise Encyclopedia of Applied Linguistics includes entries on the fundamentals of the discipline, introducing readers to the concepts, research, and methods used by applied linguists working in the field. This succinct, reader-friendly volume offers a collection of entries on a range of language problems and the analytic approaches used to address them. This abridged reference work has been compiled from the most-accessed entries from The Encyclopedia of Applied Linguistics (www.encyclopediaofappliedlinguistics.com), the more extensive volume which is available in print and digital format in 1000 libraries spanning 50 countries worldwide. Alphabetically-organized and updated entries help readers gain an understanding of the essentials of the field with entries on topics such as multilingualism, language policy and planning, language assessment and testing, translation and interpreting, and many others. Accessible for readers who are new to applied linguistics, The Concise Encyclopedia of Applied Linguistics: Includes entries written by experts in a broad range of areas within applied linguistics Explains the theory and research approaches used in the field for analysis of language, language use, and contexts of language use Demonstrates the connections among theory, research, and practice in the study of language issues Provides a perfect starting point for pursuing essential topics in applied linguistics Designed to offer readers an introduction to the range of topics and approaches within the field, The Concise Encyclopedia of Applied Linguistics is ideal for new students of applied linguistics and for researchers in the field.

Optimizing Online English Language Learning and Teaching 2023-04-14 Maria-del-Mar Suárez This book focuses on English as a Foreign Language (EFL) and provides advice on how to approach EFL teaching in the online context. Coronavirus has accelerated e-learning significantly and has highlighted the need of appropriate web tools that will allow teachers to present their material either synchronously or asynchronously, while also adequately assess their students. At the same time, there is a need of tools that can engage the students and motivate them to actively participate in the lesson. With e-learning being a rather new challenge for both teachers and students, this book provides research- and practice-based chapters with strategies, techniques, approaches, and methods which have proven to be successful in e-learning environments, maximizing their impact . Apart from presenting research results with strong pedagogical implications on online or blended English language learning and teaching, the book also trains educators on utilizing online tools and managing online learning environments and platforms.

Research Methods in Clinical Linguistics and Phonetics 2013-10-24 Nicole Müller The only volume to offer hands-on information about the wide range of research philosophies, methods and tools used across linguistics, phonetics, and speech science, as applied to disordered speech and language. • Covers core topics for students undertaking their own research, including experimental and qualitative methods, sociolinguistics, corpus construction and analysis, data recording, transcription and digital analysis of speech, and speech imaging. • Considers the research ethics associated with working with people who have speech, language or other communication difficulties. • Includes a detailed discussion of the dissemination of research results, and advice on the writing of theses and dissertations, and on the writing and publishing of journal articles, as well the peer review process. • Offers students and researchers from a

variety of entry points – such as linguistics, education, psychology, and speech pathology – an introduction to the scope of research in clinical linguistics and phonetics, and a practical guide to this interdisciplinary field

Relevant Acoustic Phonetics of L2 English 2021-04-20 Ettien Koffi Intelligibility is the ultimate goal of human communication. However, measuring it objectively remained elusive until the 1940s when physicist Harvey Fletcher pioneered a psychoacoustic methodology for doing so. Another physicist, von Bekesy, demonstrated clinically that Fletcher's theory of Critical Bands was anchored in anatomical and auditory reality. Fletcher's and Bekesy's approach to intelligibility has revolutionized contemporary understanding of the processes involved in encoding and decoding speech signals. Their insights are applied in this book to account for the intelligibility of the pronunciation of 67 non-native speakers from the following language backgrounds –10 Arabic, 10 Japanese, 10 Korean, 10 Mandarin, 11 Serbian and Croatian "the Slavic Group," 6 Somali, and 10 Spanish speakers who read the Speech Accent Archive elicitation paragraph. Their pronunciation is analyzed instrumentally and compared and contrasted with that of 10 native speakers of General American English (GAE) who read the same paragraph. The data-driven intelligibility analyses proposed in this book help answer the following questions: Can L2 speakers of English whose native language lacks a segment/segments or a suprasegment/ suprasegments manage to produce it/them intelligibly? If they cannot, what segments or suprasegments do they use to substitute for it/them? Do the compensatory strategies used interfere with intelligibility? The findings reported in this book are based on nearly 12,000 measured speech tokens produced by all the participants. This includes some 2,000 vowels, more than 500 stop consonants, over 3,000 fricatives, nearly 1,200 nasals, about 1,500 approximants, a over 1,200 syllables onsets, as many as 800 syllable codas, more than 1,600 measurement of F0/pitch, and duration measurements of no fewer than 539 disyllabic words. These measurements are in keeping with Baken and Orlikoff (2000:3) and in accordance with widely accepted Just Noticeable Difference thresholds, and relative functional load calculations provided by Catforda (1987).

Africa's Endangered Languages 2017 Jason Kandybowicz Includes a General index, an Author index, and a Language index.

Intonational Meaning in Cameroon English Discourse 2010-02-19 Yves Talla Sando Ouafeu This study is a phonetic description of intonation in Cameroon English, a postcolonial variety of English. Its focus is on the usage of specific tones, paratone and the intonational marking of the information status in discourse. Two main descriptive frameworks are used, namely the Discourse Intonation and the Auto-Segmental Metrical frameworks. Findings of the study are based on the auditory and acoustic analyses of natural conversation as well as read speech and, with relation to the sociolinguistic variables of education and gender, the linguistic variable speaking style. These findings demonstrate for example that, unlike speakers of other postcolonial Englishes (cf. Nigerian English), Cameroon English speakers make new information more prominent (or louder) than given information in the discourse structure. Furthermore, it is shown that Cameroon English speakers make extensive use of the falling pitch movement in speech, which leads the author to conclude that the falling tone does a lot of work in Cameroon English. Lastly, the findings also reveal that sociolinguistic theories postulated in native English communities do not necessarily apply in postcolonial English settings given that native English and postcolonial Englishes have being developing along different lines.

Philippine English 2022-09-19 Ariane Macalinga Borlongan Philippine English is a comprehensive reference work on the history, sociology, and linguistic structure of Philippine English. It offers readers unprecedented access to a synthesis of the last 50 years of research into Philippine English and puts forward a new and better understanding of the phenomenon of the nativization of English in the Philippines and the emergence of Philippine English. This definitive resource covers in great length and depth all that is currently known about the new English. The chapters offer detailed descriptions of Philippine English at various linguistic levels in addition to examining the psychosociolinguistic factors which shaped the language. Offering discussions of practice, language policy, language education, language teaching, and the relevance of English in various social phenomena in the Philippines, readers will find everything they need to know on theory, methodology, and application in the study of Philippine English.

Click Consonants 2020-09-25 Bonny Sands Click Consonants is an indispensable volume for those who want to explore cutting-edge research on the linguistics of this remarkable yet oft-overlooked class of consonants.

Statistics for Linguists: An Introduction Using R 2019-10-30 Bodo Winter Statistics for Linguists: An Introduction Using R is the first statistics textbook on linear models for linguistics. The book covers simple uses of linear models through generalized models to more advanced approaches, maintaining its focus on conceptual issues and avoiding excessive mathematical details. It contains many applied examples using the R statistical programming environment. Written in an accessible tone and style, this text is the ideal main resource for graduate and advanced undergraduate students of Linguistics statistics courses as well as those in other fields, including Psychology, Cognitive Science, and Data Science.

Gemination and degemination in English affixation 2019 Sonia Ben Hedia In English, phonological double consonants only occur across morphological boundaries, for example, in affixation (e.g. in unnatural, innumerous). There are two possibilities for the phonetic realization of these morphological geminates: Either the phonological double is realized with a longer duration than a phonological singleton (gemination), or it is of the same duration as a singleton consonant (degemination). The present book provides the first large-scale empirical study on the gemination with the five English affixes un-, locative in-, negative in-, dis- and -ly. Using corpus and experimental data, the predictions of various approaches to the morpho-phonological and the morpho-phonetic interface are tested. By finding out which approach can account best for the gemination pattern of English affixed words, important implications about the interplay between morphology, phonology and phonetics are drawn.

Understanding Linguistic Fieldwork 2018-03-19 Felicity Meakins Understanding Linguistic Fieldwork offers a diverse and practical introduction to research methods used in field linguistics. Designed to teach students how to collect quality linguistic data in an ethical and responsible manner, the key features include: A focus on fieldwork in countries and continents that have undergone colonial expansion, including Australia, the United States of America, Canada, South America and Africa; A description of specialist methods used to conduct research on phonological, grammatical and lexical description, but also including methods for research on gesture and sign, language acquisition, language contact and the verbal arts; Examples of resources that have resulted from collaborations with language communities and which both advance linguistic understanding and support language revitalisation work; Annotated guidance on sources for further reading. This book is essential reading for students studying modules relating to linguistic fieldwork or those looking to embark upon field research.

Practical Corpus Linguistics 2016-02-16 Martin Weisser This is the first book of its kind to provide a practical and student-friendly guide to corpus linguistics that explains the nature of electronic data and how it can be collected and analyzed. Designed to equip readers with the technical skills necessary to analyze and interpret language data, both written and (orthographically) transcribed Introduces a number of easy-to-use, yet powerful, free analysis resources consisting of standalone programs and web interfaces for use with Windows, Mac OS X, and Linux Each section includes practical exercises, a list of sources and further reading, and illustrated step-by-step introductions to analysis tools Requires only a basic knowledge of computer concepts in order to develop the specific linguistic analysis skills required for understanding/analyzing corpus data

Word Stress 2014-06-05 Harry van der Hulst A team of world-renowned phonologists present new perspectives on word stress, exploring stress as a phenomenon, data selection, and analysis.

Introduction to English Linguistics 2015-05-19 Ingo Plag This highly successful textbook introduces university students to English linguistics, with a hands-on didactic orientation. It covers the core areas of structural linguistics, with extensions to historical linguistics, sociolinguistics and psycholinguistics. The updated third edition contains a new chapter that presents modern empirical research methods in the form of exemplary small-scale studies.

The Routledge Handbook of Variationist Approaches to Spanish 2021-10-12 Manuel Díaz-Campos The Routledge Handbook of Variationist Approaches to Spanish provides an up-to-date overview of the latest research examining sociolinguistic approaches to analyzing variation in Spanish. Divided into three sections, the book includes the most current research conducted in Spanish variationist sociolinguistics. This comprehensive volume covers phonological, morphosyntactic, social, and lexical variation in Spanish. Each section is further divided into subsections focusing on specific areas of language variation, highlighting the most salient and current developments in each subfield of Hispanic sociolinguistics. As such, this Handbook delves further into the details of topics relating to variation and change in Spanish than previous publications, with a focus on the symbolic sociolinguistic value of specific phenomena in the field. Encouraging readers to think critically about language variation, this book will be of interest to advanced undergraduate and graduate students, as well as researchers seeking to explore lesser-known areas of Hispanic sociolinguistics. The Routledge Handbook of Variationist Approaches to Spanish will be a welcome addition to specialists and students in the fields of linguistics, Hispanic linguistics, sociolinguistics, and linguistic anthropology.

A Grammar of Kunbarlang 2021-07-05 Ivan Kapitonov This is a comprehensive linguistic description of Kunbarlang (Gunbalang), a highly endangered polysynthetic language of northern Australia. Kunbarlang belongs to the non-Pama-Nyungan Gunwinyguan language family and is currently spoken by nearly 40 people. This work draws on elicitations and analysis of narratives from the author's original field work (2015--2018), as well as those from previous recordings. The main areas covered are the sound system, morphology, syntax, and aspects of lexical and constructional semantics. Dictated by the polysynthetic structure of the language and the patterns of its use, the principal focus of the work is the analysis of the verbal complex and the interaction between the verb and other constituents of the clause. The analysis strike a balance between taking into consideration the areal and genetic context, being informed by linguistic typology and theory, yet at the same time remaining data-driven and theory-neutral in the way generalisations are stated. Against the Australian and a broader cross-linguistic background, Kunbarlang possesses remarkable features at all levels of its organisation.

Linguistics Out of the Closet 2023-11-06 Tyler Everett Kibbey Queer linguistics – in its position as both a linguistic science of and for queer folk – is inherently agitating to the disciplinary anxiety of a general linguistic science. It represents, as all queer science does, a disruption of the normative modes of knowledge production and a displacement of academic authority. This collection reconsiders the placement of the queer subject, both as the researcher and as the researched, within and beyond the discipline and provides an intellectual space for the interdisciplinary (and sometimes anti-disciplinary) linguistic science of gender and sexuality. In three sections, it respectively considers the development of hyper-speciated queer linguistic subfields, the interdisciplinarity of intersectional approaches to queer language, and the institution of queer linguistic science both within and beyond the academy. Taken together, the essays in this collection confront the scientific and institutional discipline of linguistics from a queer vantage point, one which is perhaps inherently interdisciplinary in its formulation.

Introducing Phonology 2013-11-28 David Odden Designed for students with only a basic knowledge of linguistics, this leading textbook provides a clear and practical introduction to phonology, the study of sound patterns in language. It teaches in a step-by-step fashion the logical techniques of phonological analysis and the fundamental theories that underpin it. This thoroughly revised and updated edition teaches students how to analyze phonological data, how to think critically about data, how to formulate rules and hypotheses, and how to test them. New to this edition: • Improved examples, over 60 exercises and 14 new problem sets from a wide variety of languages encourage students to practise their own analysis of phonological processes and patterns • A new and updated reference list of phonetic symbols and an updated transcription system, making data more accessible to students • Additional online material includes pedagogical suggestions and password-protected answer keys for instructors

Analysing Conversation 2017-09-16 Beatrice Szczepek Reed Spoken interaction is impossible without prosody. Intonation, pitch register, tempo, rhythm, pausing, loudness and voice quality all contribute to the spontaneous negotiation process that is everyday talk. This highly accessible introduction to the prosody and analysis of everyday conversation explains basic concepts and methods of interpretation using a wealth of examples from real-life conversations. Readers are introduced to the many conversational practices prosody plays a part in through sample analyses, all of which are available to listen to as downloadable audio files on the accompanying companion website: www.palgrave.com/analysingconversation Packed with authentic examples, practical suggestions for analysis, suggestions for further reading and a helpful glossary, this clear and comprehensive guide is essential reading for students and researchers alike.

Phonology 2017 Robert Kennedy This thoughtfully ordered introduction to a wide range of phonological phenomena is accessibly written to assist student understanding.

Introduction to Information Retrieval 2008-07-07 Christopher D. Manning Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

The Study of Language 2010-03-04 George Yule This best-selling textbook provides an engaging and user-friendly introduction to the study of language. Assuming no prior knowledge in the subject, Yule presents information in short, bite-sized sections, introducing the major concepts in language study – from how children learn language to why men and women speak differently, through all the key elements of language. This fourth edition has been revised and updated with twenty new sections, covering new accounts of language origins, the key properties of language, text messaging, kinship terms and more than twenty new word etymologies. To increase student engagement with the text, Yule has also included more than fifty new tasks, including thirty involving data analysis, enabling students to apply what they have learned. The online study guide offers students further resources when working on the tasks, while encouraging lively and proactive learning. This is the most fundamental and easy-to-use introduction to the study of language.

Automatic Treatment and Analysis of Learner Corpus Data 2013-12-15 Ana Díaz-Negrillo This book is a critical appraisal of recent developments in corpus linguistics for the analysis of written and spoken learner data. The twelve papers cover an introductory critical appraisal of learner corpus data compilation and development (section 1); issues in data compilation, annotation and exchangeability (section 2); automatic approaches to data identification and analysis (section 3); and analysis of learner corpus data in the light of recent models of data analysis and interpretation, especially recent automatic approaches for the identification of learner language features (section 4). This collection is aimed at students and researchers of corpus linguistics, second language acquisition studies and quantitative linguistics. It will significantly advance learner corpus research in terms of methodological innovation and will fill in an important gap in the development of multidisciplinary approaches (for learner corpus studies).

Manual of Romance Phonetics and Phonology 2021-11-22 Christoph Gabriel This handbook is structured in two parts: it provides, on the one hand, a comprehensive (synchronic) overview of the phonetics and phonology (including prosody) of a breadth of Romance languages and focuses, on the other hand, on central topics of research in Romance segmental and suprasegmental phonology, including comparative and diachronic perspectives. Phonetics and phonology have always been a core discipline in Romance linguistics: the wide synchronic variety of languages and dialects derived from spoken Latin is extensively explored in numerous corpus and atlas projects, and for quite a few of these varieties there is also more or less ample documentation of at least some of their diachronic stages. This rich empirical database offers excellent testing grounds for different theoretical approaches and allows for substantial insights into phonological structuring as well as into (incipient, ongoing, or concluded) processes of phonological change. The volume can be read both as a state-of-the-art report of research in the field and as a manual of Romance languages with special emphasis on the key topics of phonetics and phonology.

Exploring English Phonetics 2011-11-15 Tatjana Paunović Exploring English Phonetics is conceived as a meeting point of the diverse perspectives, approaches and interests of scholars working in the field of English Phonetics worldwide. The focus of the volume is on the topics in the domain of language varieties, mutual language influences, and also on issues pertaining to the research, study, and teaching of English to speakers from other language backgrounds. Authors raise a number of novel, motivating and noteworthy questions, relevant from the point of view of either phonetic research or phonetic training and EFL teaching. These questions cover a wide range of phonetic topics: the nature of vowels and consonants in several dominating varieties of English, the phenomena of connected speech and the nature of intonation, issues in the methodology of phonetic research, problems encountered by speakers of other languages striving to acquire English pronunciation, and attitudes to differing native and non-native varieties of English. Despite such a broad variety of topics, the volume offers a unifying approach to the study of speech and puts forward intriguing results gained by original research. Whatever their focus and sample size, most chapters deal with the English spoken and learned by speakers of other languages, thus highlighting both the current status of English as the language of global communication, and the international orientation of this volume.

Introduction to English Phonetics 2017-02-06 Richard Ogden The second edition of this distinguished textbook introduces undergraduates to the concepts, terminology and representations needed for an understanding of how English is pronounced around the world. Assuming no prior knowledge, this textbook guides the reader through the vocal tract and explains how the sounds of speech are made, offering an accessible and expanded introduction to areas including transcription, vowels and acoustic analysis. As far as possible, it uses naturally-occurring conversational speech so that readers are familiar with the details of everyday talk (and not just the careful pronunciations presented in

dictionaries.) The book also includes a new concluding chapter that works through a piece of spoken data to show the reader how a more complete phonetic analysis can be conducted. Examples are taken from around the English-speaking world, including North America, Australia, New Zealand and varieties of British English. The book takes an open-minded approach to what sounds of English might be significant for making meaning, and highlights the significance of word meaning, morphology, sociolinguistics and conversational interaction in phonetic analysis.

Sociophonetics 2021-03-11 Tyler Kendall A concise introduction to sociophonetics, this book links research in sociolinguistics, phonetics, speech sciences, and psycholinguistics.

Phonetic Analysis of Speech Corpora 2010-04-12 Jonathan Harrington An accessible introduction to the phonetic analysis of speech corpora, this workbook-style text provides an extensive set of exercises to help readers develop the necessary skills to design and carry out experiments in speech research. Offers the first step-by-step treatment of advanced techniques in experimental phonetics using speech corpora and downloadable software, including the R programming language Introduces methods of analyzing phonetically-labelled speech corpora, with the goal of testing hypotheses that often arise in experimental phonetics and laboratory phonology Incorporates an extensive set of exercises and answers to reinforce the techniques introduced Accessibly written with easy-to-follow computer commands and spectrograms of speech Companion website at www.wiley.com/go/harrington, which includes illustrations, video tutorials, appendices, and downloadable speech corpora for testing purposes. Discusses techniques in digital speech processing and in structuring and querying annotations from speech corpora Includes substantial coverage of analysis, including measuring gestural synchronization using EMA, the acoustics of vowels, consonant overlap using EPG, spectral analysis of fricatives and obstruents, and the probabilistic classification of acoustic speech data

The Sounds of Language 2012-11-26 Elizabeth C. Zsiga The Sounds of Language is an introductory guide to the linguistic study of speech sounds, which provides uniquely balanced coverage of both phonology and phonetics. Features exercises and problem sets, as well as supporting online resources at www.wiley.com/go/zsiga, including additional discussion questions and exercises, as well as links to further resources such as sound files, video files, and useful websites Creates opportunities for students to practice data analysis and hypothesis testing Integrates data on sociolinguistic variation, first language acquisition, and second language learning Explores diverse topics ranging from the practical, such as how to make good digital recordings, make a palatogram, solve a phoneme/allophone problem, or read a spectrogram; to the theoretical, including the role of markedness in linguistic theory, the necessity of abstraction, features and formal notation, issues in speech perception as distinct from hearing, and modelling sociolinguistic and other variations Organized specifically to fit the needs of undergraduate students of phonetics and phonology, and is structured in a way which enables instructors to use the text both for a single semester phonetics and phonology course or for a two-course sequence

The Study Of Language 4Ed 2010 George Yule "This best-selling textbook provides an engaging and user-friendly introduction to the study of language. Assuming no prior knowledge in the subject, Yule presents information in short, bite-sized sections, introducing the major concepts in language study - from how children learn language to why men and women speak differently, through all the key elements of language. This fourth edition has been revised and updated with twenty new sections, covering new accounts of language origins, the key properties of language, text messaging, kinship terms and more than twenty new word etymologies. To increase student engagement with the text, Yule has also included more than fifty new tasks, including thirty involving data analysis, enabling students to apply what they have learned. The online study guide offers students further resources when working on the tasks, while encouraging lively and proactive learning. This is the most fundamental and easy-to-use introduction to the study of language"--Provided by publisher.

Speech & Language Processing 2000-09 Dan Jurafsky

Vowels and Consonants 2005-01-24 Peter Ladefoged (www.linguistics.ucla.edu/people/ladefoged/), which includes an online version of the CD as well as other useful phonetics links. This revised second edition includes a new chapter on how we listen to speech and an updated CD that contains data on 100 languages.

Manual of Clinical Phonetics 2021-04-11 Martin J. Ball This comprehensive collection equips readers with a state-of-the-art description of clinical phonetics and a practical guide on how to employ phonetic techniques in disordered speech analysis. Divided into four sections, the manual covers the foundations of phonetics, sociophonetic variation and its clinical application, clinical phonetic transcription, and instrumental approaches to the description of disordered speech. The book offers in-depth analysis of the instrumentation used in articulatory, auditory, perceptual, and acoustic phonetics and provides clear instruction on how to use the equipment for each technique as well as a critical discussion of how these techniques have been used in studies of speech disorders. With fascinating topics such as multilingual sources of phonetic variation, principles of phonetic transcription, speech recognition and synthesis, and statistical analysis of phonetic data, this is the essential companion for students and professionals of phonetics, phonology, language acquisition, clinical linguistics, and communication sciences and disorders.

An Introduction to the Science of Phonetics 2013-04-03 Nigel Hewlett The book is designed as an introduction to the scientific study of speech. No prior knowledge of phonetics is assumed. As far as mathematical knowlege is concerned, all that is assumed is a knowledge of simple arithmetic and as far as possible concepts are dealt with on an intuitive rather than mathematical level. The anatomical material is all fully explained and illustrated. The book is arranged in four parts. Part 1, Basic Principles, provides an introduction to established phonetic theory and to the principles of phonetic analysis and description, including phonetic transcription. Part 2, Acoustic Phonetics, considers the physical nature of speech sounds as they pass through the air between speaker and hearer. It includes sections on temporal measurement, fundamental frequency, spectra and spectrograms. Part 3, Auditory Phonetics, covers the anatomy of the ear and the perception of loudness, pitch and quality. The final part, Part 4, covers the articulatory production of speech, and shows how experimental techniques and tools can enhance our understanding of the complexities of speech production. Though the audience for this book is mainly students and professors in the Speech Sciences, it will also be valuable to any students studying hearing science and acoustics. The book is well supported with figures, tables, and practice boxes with experiments.

Introductory Phonology 2011-09-13 Bruce Hayes Accessible, succinct, and including numerous student-friendly features, this introductory textbook offers an exceptional foundation to the field for those who are coming to it for the first time. Provides an ideal first course book in phonology, written by a renowned phonologist Developed and tested in the classroom through years of experience and use Emphasizes analysis of phonological data, placing this in its scientific context, and explains the relevant methodology Guides students through the larger questions of what phonological patterns reveal about language Includes numerous course-friendly features, including multi-part exercises and annotated suggestions for further reading at the end of each chapter

Applications of Machine Learning and Artificial Intelligence in Education 2022-02-18 Khadimally, Seda Modes and models of learning and instruction have shown a significant shift from yesterday's conventional learning and teaching given this era's current educational and social contexts. Learners are no longer learning and communicating with human-generated, computed, and mediated—or traditional—learning and instructional practices, paving the way for machine-facilitated communication, learning, and teaching tools. Learning and instruction, communication and information exchange, as well as gathering, coding, analyzing, and synthesizing data have proven to be in need of even more innovative technology-moderated tools. Applications of Machine Learning and Artificial Intelligence in Education focuses on the parameters of remote learning, machine learning, deep learning, and artificial intelligence under 21st-century learning and instructional contexts. Covering topics such as data coding and social networking technology, it is ideal for learners with an interest in the deep learning discipline, educators, educational technologists, instructional designers, and data evaluators, as well as special interest groups (SGIs) in the discipline.

Models and Theories of Speech Production 2020-08-07 Adamantios Gafos

An Introduction to Language and Linguistics 2006-03-06 Ralph Fasold This accessible textbook is the only introduction to linguistics in which each chapter is written by an expert who teaches courses on that topic, ensuring balanced and uniformly excellent coverage of the full range of modern linguistics. Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound, form, meaning, and language change), and in addition provides full coverage of contextual linguistics, including separate chapters on discourse, dialect variation, language and culture, and the politics of language. There are also up-to-date separate chapters on language and the brain, computational linguistics, writing, child language acquisition, and second-language learning. The breadth of the textbook makes it ideal for introductory courses on language and linguistics offered by departments of English, sociology, anthropology, and communications, as well as by linguistics departments.

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