

PHONETIC DATA ANALYSIS

An Introduction to
Fieldwork and
Instrumental Techniques

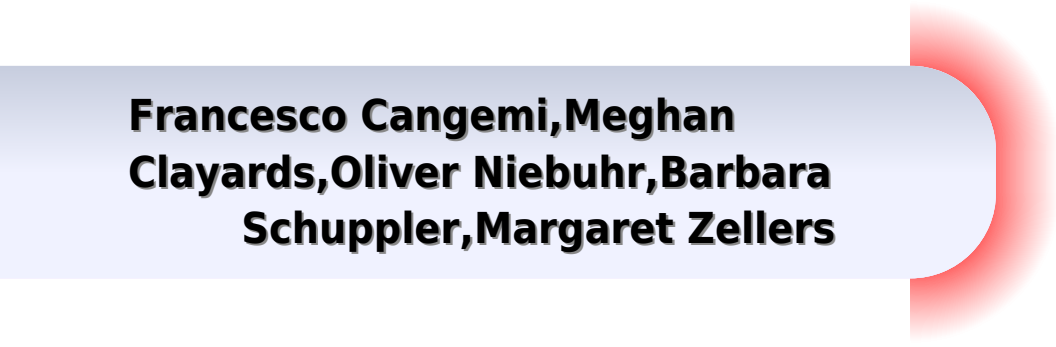
PETER LADEFOGED



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Phonetic Data Analysis An Introduction To

**Francesco Cangemi, Meghan
Clayards, Oliver Niebuhr, Barbara
Schuppler, Margaret Zellers**



Phonetic Data Analysis An Introduction To:

Phonetic Data Analysis Peter Ladefoged, 2003-09-26 *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 Examines the procedures involved in describing the sounds of a language and illustrates the basic techniques of experimental phonetics Written by Peter Ladefoged one of the world's leading phoneticians Enables readers to work with a speaker in class or go out into the field and make their own discoveries about how the sounds of a language are made Provides full descriptions of techniques that are readily available and do not require the resources of a major phonetics laboratory Includes enlightening comments throughout about Ladefoged's own fieldwork experiences

Phonetic Data Analysis Peter Ladefoged, 2003-09-26 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 Routledge Handbook of Phonetics William F. Katz, Peter F. Assmann, 2019-03-15 *The Routledge Handbook of Phonetics* provides a comprehensive and up to date compilation of research history and techniques in phonetics With contributions from 41 prominent authors from North America Europe Australia and Japan and including over 130 figures to illustrate key points this handbook covers all the most important areas in the field including the history and scope of techniques used including speech synthesis vocal tract imaging techniques and obtaining information on under researched languages from language archives the physiological bases of speech and hearing including auditory articulatory and neural explanations of hearing speech and language processes theories and models of speech perception and production related to the processing of consonants vowels prosody tone and intonation linguistic phonetics with discussions of the phonetics phonology interface sound change second language acquisition sociophonetics and second language teaching research applications and extensions including phonetics and gender clinical phonetics and forensic phonetics *The Routledge Handbook of Phonetics* will be indispensable reading for students and practitioners in the fields of speech language linguistics and hearing sciences

The Bloomsbury Companion to Phonetics Mark J. Jones, Rachael-Anne Knight, 2013-04-25 *The Bloomsbury Companion To Phonetics* is designed to be the essential one volume resource for

advanced students and academics It offers a comprehensive reference resource giving an overview of key topics and key terms in phonetics It offers a survey of current research areas and new directions in the field as well as featuring a manageable guide to beginning or developing research The book gives readers practical guidance for advanced study in the area The volume covers all the most important issues concepts movements and approaches in the field looking at both the core and applied domains of phonetics and speech science It offers insights into areas as diverse as the acquisition production and perception of speech and clinical and forensic phonetics There is a state of the art exploration of voice and phonation tone and intonation phonetic pedagogy speech technology and phonetic universals Exploring English Phonetics Tatjana Paunović, Biljana Čubrović, 2011-11-15 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 different 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 Applied English Phonology Mehmet Yavas, 2016-01-19 Now fully updated with the latest research and references the third edition of Applied English Phonology provides a detailed accessible introduction to the English sound system Discusses the fundamental concepts of English phonology from phonetic elements phonemics and allophonic rules of English consonants and vowels to phonotactics stress and intonation Includes new coverage of waveform analysis bilingual phonology code switching and loan phonology Expands discussions of L1 contrastive phonological structures and markedness Supports students and instructors with sound files for transcription exercises and an instructor s manual available upon publication at www.wiley.com/go/yavas3e **Encyclopedia of Language and Linguistics** , 2005-11-24 The first edition of ELL 1993 Ron Asher Editor was hailed as the field s standard reference work for a generation Now the all new second edition matches ELL s comprehensiveness and high quality expanded for a new generation while being the first encyclopedia to really exploit the multimedia potential of linguistics The most authoritative up to date comprehensive and international reference source in its field An entirely new work with new editors new authors new topics and newly commissioned articles

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Theories and Methods Peter Auer,Jürgen Erich Schmidt,2009-12-22 The dimensions of time and space fundamentally cause and shape the variability of all human language To reduce investigation of this insight to manageable proportions researchers have traditionally concentrated on the deepest dialects But it is increasingly apparent that although most people still speak with a distinct regional coloring the new mobility of speakers in recently industrialized and postindustrial societies and the efflorescence of communication technologies cannot be ignored This has given rise to a reconsideration of the relationship between geographical place and cultural space and the fundamental link between language and a spatially bounded territory Language and Space An International Handbook of Linguistic Variation seeks to take full account of these developments in a comprehensive theoretically rich way The introductory volume examines the concept of space and linguistic approaches to it the structure and dynamics of language spaces and relevant research methods A second volume offers the first thorough exploration of the interplay between linguistic investigation and cartography and subsequent volumes uniformly document the state of research into the spatial dimension of particular language groupings Key features comprehensive coverage of the field in terms of theory and methods the unique volume stands alone since it neither is a handbook of dialectology or of areal linguistics nor a handbook on language variation alone gathers together a great number of distinguished scholars and experts in the field

Language and Space Peter Auer,Jürgen Erich Schmidt,2010 The dimensions of time and space fundamentally cause and shape the variability of all human language To reduce investigation of this insight to manageable proportions researchers have traditionally concentrated on the deepest dialects But it is increasingly apparent that although most people still speak with a distinct

regional coloring the new mobility of speakers in recently industrialized and postindustrial societies and the efflorescence of communication technologies cannot be ignored This has given rise to a reconsideration of the relationship between geographical place and cultural space and the fundamental link between language and a spatially bounded territory Language and Space An International Handbook of Linguistic Variation seeks to take full account of these developments in a comprehensive theoretically rich way The introductory volume examines the concept of space and linguistic approaches to it the structure and dynamics of language spaces and relevant research methods A second volume offers the first thorough exploration of the interplay between linguistic investigation and cartography and subsequent volumes uniformly document the state of research into the spatial dimension of particular language groupings Key features comprehensive coverage of the field in terms of theory and methods the unique volume stands alone since it neither is a handbook of dialectology or of areal linguistics nor a handbook on language variation alone gathers together a great number of distinguished scholars and experts in the field

Variation and Gradience in Phonetics and Phonology Frank Kügler, Caroline Féry, Ruben Vijver, 2009-08-17 This book provides an overview of current issues in variation and gradience in phonetics phonology and sociolinguistics It contributes to the growing interest in gradience and variation in theoretical phonology by combining research on the factors underlying variability and systematic quantitative results with theoretical phonological considerations Variation is inherent to language and one of the aims of phonological theory is to describe and explain the mechanisms underlying variation at every level of phonological representation Variation below the segment concerns articulatory acoustic and perceptual cues that contribute to the formation of natural classes of sounds At the segmental level there are grammatical differences in the production and perception of contextual variation of segments and in the syntagmatic constraints on the combination of segments At the suprasegmental level the mapping of tones to grammatical functions and vice versa is discussed Further aspects addressed in this book are factors outside of language Variation that arises as a result of a particular dialect or of belonging to a certain age group or variation that is the consequence of language change Gradience and variation have always been a central issue in phonetic and sociolinguistic research Gradience introduces variation in phonology as well If a phonetic entity can be pronounced in different ways depending on the environment prosodic factors or dialectal influences this gradience may introduce variation which we understand as a stable state of grammar

Production, perception, and comprehension of subphonemic detail: Word-Final /s/ in English Dominic Schmitz, 2022-11-22 The complexities of speech production perception and comprehension are enormous Theoretical approaches of these complexities most recently face the challenge of accounting for findings on subphonemic differences The aim of the present dissertation is to establish a robust foundation of findings on such subphonemic differences One rather popular case for differences in subphonemic detail is word final s and z in English henceforth S as it constitutes a number of morphological functions Using word final S three general issues are investigated First are there subphonemic durational

differences between different types of word final S If there are such differences how can they be accounted for Second can such subphonemic durational differences be perceived Third do such subphonemic durational differences influence the comprehension of S These questions are investigated by five highly controlled studies a production task an implementation of Linear Discriminative Learning a same different task and two number decision tasks Using not only real words but also pseudowords as target items potentially confounding effects of lexical storage are controlled for Concerning the first issue the results show that there are indeed durational differences between different types of word final S Non morphemic S is longest in duration clitic S is shortest in duration and plural S duration is in between non morphemic S and clitic S durations It appears that the durational differences are connected to a word s semantic activation diversity and its phonological certainty Regarding the second issue subphonemic durational differences in word final S can be perceived with higher levels of perceptibility for differences of 35 ms and higher In regard to the third issue subphonemic durational differences are found not to influence the speed of comprehension but show a significant effect on the process of comprehension The overall results give raise to a revision of various extant models of speech production perception and comprehension Rethinking Reduction Francesco Cangemi,Meghan Clayards,Oliver Niebuhr,Barbara Schuppler,Margaret Zellers,2018-06-25

Phonetically reduced forms are plentiful theoretically interesting and a key challenge for automatic speech recognition systems Yet canonical forms are still central to models of production and perception Drawing from different fields and diverse languages this volume brings new insights to the debate on abstractions and canonical forms in linguistics their psychological reality descriptive adequacy and technical implementability **Fonética y fonología descriptivas de la lengua española** Juana Gil,Joaquim Llisterri,2024-10-01 The most up to date and comprehensive description of the Spanish language s phonetic and phonological system Though there has been considerable research in Spanish phonology until now no in depth and complete descriptive reference work has existed Fon tica y fonolog a descriptivas de la lengua espa ola Volumes 1 and 2 is a comprehensive reference written in Spanish describing the phonetics and phonology of Spanish Edited by Juana Gil Fernandez and Joaquim Llisterri this set provides a comprehensive overview for understanding segmental and suprasegmental topics in Spanish phonology making clear what further research is needed The international set of contributors in this essential reference present evidence never before analyzed introduce new theoretical concepts and issues not considered previously extend the scope of the case studies and organize its many subtopics as well as suggest new topics for future research A descriptive reference with copious figures and tables this book is the key to the field s assumptions and a presentation of accepted research on which future scholarship is based With state of the art information on all topics related to the sounds of Spanish Fon tica y fonolog a descriptivas de la lengua espa ola will be a valuable resource for researchers students and scholars of Spanish linguistics who wish to deepen their understanding of the phonetic and phonological characteristics of all the varieties in the Spanish language **A Grammatical Sketch of Hainan Cham**

Graham Thurgood, Ela Thurgood, Li Fengxiang, 2015-03-03 This volume is a grammatical sketch of Hainan Cham an endangered tonal Austronesian language The study focuses on three areas social background and contact history the grammar including all the recorded vocabulary and a description of the sound system including acoustic description The appendixes also include the wordlist of Sanya Chinese forms and four analyzed texts **Science, technology and art in the spoken expression of meaning** Plinio Almeida Barbosa, Sandra Madureira, Åsa Abelin, 2023-08-31 **Current Studies in Chinese Language and Discourse** Yun Xiao, Linda Tsung, 2019-04-15 This volume features a discourse empirical orientation from diverse perspectives and various methodologies in which narratives interviews surveys and large scale databases or self created written and spoken corpora are employed and analyzed to gain a better understanding of new developments and changes in Chinese language and discourse Authors employ updated approaches from a variety of fields including applied linguistics functional linguistics corpus linguistics and sociolinguistics to describe the structure of Chinese language and discourse and to examine its critical issues many focusing on globalization induced language developments and changes With an empirically based discourse socio cultural approach this collection makes valuable contributions to research on Chinese language and discourse and serves as a sound reference for Chinese researchers and educators in diverse fields such as Chinese language and discourse Chinese linguistics and language education Chinese multiculturalism and more

Sociolinguistic Approaches to Sibilant Variation in Spanish Eva Núñez-Méndez, 2021-04-27 Social processes and the nature of language variation have driven sibilant variation across the Spanish speaking world This book explores the current state of Spanish sibilants and their dialectal variations Focusing on different processes undergone by sibilants in Spanish e g voicing devoicing weakening aspiration elision in various geographical areas and language contact situations each chapter offers an analysis on a unique sociolinguistic case from different formal experimental and data based approaches The opening chapter orients the reader with an overview of sibilant system s evolution which serves as an anchor to the other chapters and facilitates understanding for readers new to the topic The volume is organized around three thematic sections part one Spain part two United States and part three Central and South America The collection includes research on dialects in both Peninsular and Trans Atlantic Spanish such as Jerezano Caribbean Spanish in Boston and New York City Cuban Spanish in Miami Colombia Barranquilla Spanish northern Buenos Aires Argentine Spanish and USA heritage Spanish among other case studies This volume offers an original and concise approach to one of the most studied variables in Spanish phonetics taking into account geographically based phonetic variation sociolinguistic factors and various Spanish language contact situations Written in English this detailed synthesis of the wide ranging geolinguistic features of Spanish sibilants provides a valuable resource for scholars in Hispanic studies linguistics Spanish dialectology and sociolinguistics [The Bloomsbury Companion to Phonology](#) Nancy C. Kula, Bert Botma, Kuniya Nasukawa, 2013-02-14 Originally published as the Continuum Companion to Phonology this book offers the definitive guide to a key area of

linguistic study It covers all the most important issues concepts movements and approaches in the field Each companion offers a comprehensive reference resource giving an overview of key topics research areas new directions and a manageable guide to beginning or developing research in the field It offers a survey of current research and also gives more practical guidance on advanced study and research in the area The book includes coverage of key research areas in phonology including the interaction of phonology with other areas of linguistics while also providing some guidance on how phonological research can be conducted in the field and in the laboratory It moves from coverage of the smallest units such as features and syllables to larger units incorporating phrasal and prosodic structure It is a complete resource for postgraduate students and researchers working in phonology *Bloomsbury Companion to Phonology* Nancy C. Kula,Engbert Doede Botma,Bert Botma,Kuniya Nasukawa,2011-02-17 The essential one volume resource for advanced students and academics in phonology Manual of Romance Phonetics and Phonology Christoph Gabriel,Randall Gess,Trudel Meisenburg,2021-11-22 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

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