

Analysing Conversation

An Introduction to Prosody

Beatrice Szczepek Reed







© Beatrice Szczepek Reed 2011

All rights reserved. No reproduction, copy or transmission of this publication may be made without written permission.

No portion of this publication may be reproduced, copied or transmitted save with written permission or in accordance with the provisions of the Copyright, Designs and Patents Act 1988, or under the terms of any licence permitting limited copying issued by the Copyright Licensing Agency, Saffron House, 6-10 Kirby Street, London EC1N 8TS.

Any person who does any unauthorised act in relation to this publication may be liable to criminal prosecution and civil claims for damages.

The author has asserted her right to be identified as the author of this work in accordance with the Copyright, Designs and Patents Act 1988.

First published 2011 by PALGRAVE MACMILLAN

Palgrave Macmillan in the UK is an imprint of Macmillan Publishers Limited, registered in England, company number 785998, of Houndmills, Basingstoke, Hampshire RG21 6XS.

Palgrave Macmillan in the US is a division of St Martin's Press LLC, 175 Fifth Avenue, New York, NY 10010.

Palgrave Macmillan is the global academic imprint of the above companies and has companies and representatives throughout the world.

Palgrave[®] and Macmillan[®] are registered trademarks in the United States, the United Kingdom, Europe and other countries.

ISBN 978-0-230-22344-8 hardback ISBN 978-0-230-22345-5 paperback

This book is printed on paper suitable for recycling and made from fully managed and sustained forest sources. Logging, pulping and manufacturing processes are expected to conform to the environmental regulations of the country of origin.

A catalogue record for this book is available from the British Library.

A catalog record for this book is available from the Library of Congress.

10 9 8 7 6 5 4 3 2 1 20 19 18 17 16 15 14 13 12 11

Printed and bound in Great Britain by CPI Antony Rowe, Chippenham and Eastbourne

ANALYSING CONVERSATION

PROSODIC ORIENTATION IN ENGLISH CONVERSATION

此为试读,需要完整PDF请访问: www.ertongbook.com

This book is dedicated to Elizabeth Couper-Kuhlen

Acknowledgements

In the writing of this book I am greatly indebted to Elizabeth Couper-Kuhlen, whose passionate and meticulous study of prosody first inspired me to take up the subject, and whose work I have admired ever since. Furthermore, I would like to express my sincerest thanks to Rebecca Hughes for numerous inspiring conversations about spoken language, and for very helpful comments on earlier drafts of this book.

Very special thanks also to my students, particularly those whose first language is not English, as their insightful comments and questions have inspired me greatly in thinking through many issues concerning the prosody of English conversation.

For their kind support and efficient handling of the entire publishing process I warmly thank Kitty van Boxel and Felicity Noble at Palgrave Macmillan.

For his continuous patience and encouragement in the writing of this book I am deeply grateful to my husband Darren Reed.

BEATRICE SZCZEPEK REED

The author and publishers wish to thank the following for kind permission to use copyright material:

Black and white headphone © istock International Inc.

TalkBank, for kind permission to use the Santa Barbara Corpus of Spoken American English.

Brief Contents

List of Figures		xiii
	enowledgements	XV
1	Preliminaries	1
2	Pitch: Introduction	25
3	Pitch: Intonation	30
4	Pitch: Range and Register	78
5	Time: Sound and Syllable Duration	106
6	Time: Speech Rate	122
7	Time: Speech Rhythm	139
8	Time: Pauses	162
9	Loudness	179
10	Voice Quality	199
11	Outlook: Future Issues in Research on	
	Prosody in Conversation	219
Ans	swers to Exercises	223
Appendix: Transcription Conventions		236
Not	-	238
Glo	ossary	239
	liography	242
Ind		255

Contents

List	of Figu	ures		xiii
Ack	nowlea	gements		XV
	_			
1		minaries		1
	1.1		sing natural conversation	2
		1.1.1	Naturally occurring talk-in-interaction	5
		1.1.2	Turn-taking	6
		1.1.3	1 1 0	8
		1.1.4		
			interactional negotiation	8
		1.1.5	Repair	11
	1.2		dy in natural conversation	12
		1.2.1	Prosody and turn-taking	13
		1.2.2	Prosody and sequence organisation	15
		1.2.3	Prosody and interactional negotiation	15
	1.3	The d	ata	17
	1.4	Transo	cription conventions	18
	1.5	Chapt	ter overview	22
2	Dia l	: Introd	landing.	25
2	2.1			26
	2.1	Pitch	analysis using speech analysis software	20
3	Pitch	: Intona	ation	30
	3.1	Contr	asts in intonation	30
		3.1.1	Stress and pitch accents	31
		3.1.2	Intonation contours and intonation phrases	43
			Summary	52
	3.2		sing intonation	53
			Intonation phrases	56
			Pitch accents	61
			Exercises	70
	3.3		rch on intonation in natural conversation	73
		3.3.1	Elizabeth Couper-Kuhlen (2004): Prosody and	
			sequence organization in English conversation:	
			the case of new beginnings	74
		3.3.2	Beatrice Szczepek Reed (2006, pp. 111–19,	
		2.2.2	127–30): Marked prosody: declining	
			intonation contours with lengthening and	
			portamento	75
			r	, ,

İX

4	Pitch:	Range and Register	78
	4.1	Contrasts in pitch range and register	78
		4.1.1 Pitch range	79
		4.1.2 Pitch register	89
		4.1.3 Summary	94
	4.2	Analysing pitch register	94
		4.2.1 Exercises	101
	4.3	Research on pitch range and pitch register in natural	
		conversation	103
		4.3.1 Elizabeth Couper-Kuhlen (1996a): The prosody of repetition: on quoting and	
		mimicry	104
		4.3.2 Gabriele Klewitz and Elizabeth Couper-Kuhlen (1999): Quote–unquote? The role of prosody in the contextualisation of reported speech	
		sequences	105
		1	
5	Time	Sound and Syllable Duration	106
	5.1	Contrasts in sound and syllable duration	107
	J.1	5.1.1 Summary	111
	5.2	Analysing sound and syllable duration	112
	7.2	5.2.1 Exercises	117
	5.3	Research on syllable duration in natural conversation: Hiroko Tanaka (2004): Prosody for marking transition-relevance places in Japanese conversation: the case of turns unmarked by utterance-final objects	119
		utterance-imai objects	117
6	Time	Smooth Data	122
6	6.1	Speech Rate	122
	0.1	Contrasts in speech rate	
	6.2	6.1.1 Summary	131
	6.2	Analysing speech rate	131
	6.3	6.2.1 Exercises Research on speech rate in natural conversation:	135
		Susanne Uhmann (1992): Contextualising	
		relevance: on some forms and functions of speech	
		rate changes in everyday conversation	136
		, ,	
7	Time:	Speech Rhythm	139
	7.1	Contrasts in speech rhythm	139
		7.1.1 Measuring speech rhythm aurally	142
		7.1.2 Measuring speech rhythm using rhythm	
		indices	143
		7.1.3 Measuring speech rhythm using speech analysis	
		software	144
		7.1.4 Summary	146

			CONTENTS	XI
	7.2	Analys	sing speech rhythm Exercises	147 157
	7.3	,	ch on speech rhythm in natural	1)/
	1.3	conver		158
				1)0
		7.3.1	Susanne Uhmann (1996): On rhythm in	
			everyday German conversation: beat clashes in	150
		722	assessment utterances	159
		7.3.2	Elizabeth Couper-Kuhlen (1993, pp. 115–62):	1.00
			Analysing speech rhythm at turn transitions	160
8	Timo	Pauses		162
O	8.1		note there was a	162
			asts through pauses	168
	8.2		ing pauses	
	0.2	8.2.1	Exercises	173
	8.3		ch on pauses in natural conversation	175
		8.3.1	John Local and John Kelly (1986): Projection	
			and 'silences': notes on phonetic and	
			conversational structure	175
		8.3.2	Beatrice Szczepek Reed (2009): Prosodic	
			orientation: a practice for sequence organization	
			in broadcast telephone openings	176
0	T 1			170
9	Loud			179
	9.1		asts in loudness	179
	9.2		ing loudness	188
		9.2.1	Exercises	193
	9.3		ch on loudness in natural conversation	195
		9.3.1	Peter French and John Local (1986): Prosodic	
			features and the management of	
			interruptions	196
		9.3.2	Peter Auer and Barbara Rönfeldt (2004):	
			Prolixity as adaptation: prosody and	
			turn-taking in German conversation with	
			a fluent aphasic	196
10	***	0 11		100
10		Quality		199
	10.1		asts in voice quality	201
		10.1.1	Creaky voice	202
		10.1.2	Falsetto	204
	10.2	10.1.3	Breathy voice	206
	10.2		ing voice quality	208
		10.2.1	Exercises	214
	10.3		ch on voice quality in natural conversation	216
		10.3.1	Richard Ogden (2004): Non-modal voice	
		2.2.	quality and turn-taking in Finnish	216
		10.3.2	Beatrice Szczepek Reed (2006, pp. 52–4):	Special or to
			Prosodic matching of voice quality	217

XII CONTENTS

11	Outlook: Future Issues in Research on Prosody in		
	Conversation	219	
Ans	swers to Exercises	223	
App	pendix: Transcription Conventions	236	
Not	tes	238	
Glo.	ossary	239	
Bib	liography	242	
Ind	lex	255	

List of Figures

2.1	Pitch analysis of Extract 2.1	28
2.2	Pitch analysis of line 8 in Extract 2.1	28
2.3	Final pitch analysis of line 8 in Extract 2.1	29
3.1	Final pitch analysis of line 8 in Extract 2.1	32
3.2	Low rise on man, line 13 in Extract 3.1	33
3.3	High rise on diarrhetic, line 11 in Extract 3.2	34
3.4	Rise-to-high on herself, line 11 in Extract 3.3	36
3.5	Fall-rise on <i>thinking</i> , line 2 in Extract 3.4	37
3.6	Low fall on salvation, line 1 in Extract 3.5	38
3.7	High fall on disapproving, line 10 in Extract 3.6	40
3.8	Fall-to-mid on <i>cigarettes</i> , line 13 in Extract 3.7	41
3.9	Rise-fall on is, line 5 in Extract 3.7	42
3.10	Level pitch on saw relatives coming for them, lines 6-8 in	
	Extract 3.8	43
3.11	Intonation phrases, lines 1–5 in Extract 3.9	46
3.12	For how can a person, line 1 in Extract 3.9	47
3.13	Be responsible for his deeds, line 3 in Extract 3.9	47
3.14	If he possesses no free will, line 5 in Extract 3.9	48
3.15	Intonation phrases, lines 1–2 in Extract 3.10(a)	50
3.16	I still haven't found anybody that wants to, line 1 in	
	Extract 3.11	57
3.17	Wants to let me, lines 1-3 in Extract 3.11	57
3.18	Let me pay a little fee, line 3 in Extract 3.11	58
3.19	Fee and then call them, lines 3–5 in Extract 3.11	59
3.20	Up and around, line 7 in Extract 3.11	61
3.21	I would like to have it on a business basis, line 79 in	
	Extract 3.11	62
3.22	Right now, line 88 in Extract 3.11	64
3.23	Corporation, line 89 in Extract 3.11	65
3.24	I'll draw up the papers, line 91 in Extract 3.11	65
3.25	Nine o'clock, line 37 in Extract 3.11	66
3.26	You will, line 42 in Extract 3.11	67
3.27	Does it really bother you, line 50 in Extract 3.11	68
3.28	Somebody, line 18 in Extract 3.11	69
3.29	By the phone, line 19 in Extract 3.11	69
3.30	In the morning, line 20 in Extract 3.11	70
3.31	mm, line 21 in Extract 3.12	76
4.1	Low pitch range, female voice: highest pitch at 429 Hz	81
4.2	Low pitch range, female voice: lowest pitch at 139 Hz	81

4.3	Low pitch range, male voice: highest pitch at 317 Hz	83
4.4	Low pitch range, male voice: lowest pitch at 54 Hz	84
4.5	High pitch range, female voice: highest pitch at 346 Hz	86
4.6	High pitch range, female voice: lowest pitch at 174 Hz	86
4.7	High pitch range, male voice: highest pitch 619 Hz	87
4.8	High pitch range, male voice: lowest pitch 101 Hz	88
4.9	Shift to low pitch register, female voice	90
4.10	Shift to low pitch register, male voice	91
4.11	Shift to high pitch register, male voice	92
4.12	Shift to high pitch register, female voice	93
5.1	Syllable lengthening on <i>sweet</i> , line 5 in Extract 5.1	108
5.2	Sound lengthening on <i>fifty</i> , line 5 in Extract 5.2	109
6.1	Slow speech rate, lines 27–28 in Extract 6.1	125
6.2	Default speech rate, lines 35–36 in Extract 6.1	125
6.3	Fast speech rate: reduced syllables, line 12 in Extract 6.3	129
6.4	Fast speech rate, lines 41–42 in Extract 6.3	130
6.5	Default speech rate, line 10 in Extract 6.3	130
7.1	Speech rhythm, line 10 in Extract 7.1	145
7.2	To distribute throughout the rest of the day, line 2 in Extract 7.2	150
7.3	I would say maybe even ten percent here, lines 22-25 in	
	Extract 7.2	152
7.4	Ten percent here uhm, lines 25-27 in Extract 7.2	152
7.5	I just don't have time, line 32 in Extract 7.2	153
7.6	I just don't have time y' know, lines 32-34 in Extract 7.2	154
7.7	Big carbo breakfast, line 48 in Extract 7.2	155
7.8	Bunch of carbo, you take a bunch of insulin; right, lines 70-73	
	in Extract 7.2	156
7.9	Skyrocketing down; mhm, lines 76–77 in Extract 7.2	156
8.1	Pauses, lines 8–10 in Extract 8.1	165
9.1	Wave form of line 8, Extract 9.1	181
9.2	Pitch changes in lines 2–5, Extract 9.2	183
9.3	Loudness changes in lines 2–5, Extract 9.2	183
9.4	Local increase in loudness in lines 10–11, Extract 9.3	185
9.5	Local increase in pitch register in lines 10–11, Extract 9.3	185
9.6	Increase in loudness on one syllable in line 24, Extract 9.3	186
9.7	Increase in pitch on one syllable in line 24, Extract 9.3	186
9.8	Decrease in loudness in lines 5–8, Extract 9.4	187
9.9	Decrease in pitch register in lines 5–8, Extract 9.4	187
10.1	Creaky voice, lines 18–19 in Extract 10.2	205
10.2	Falsetto voice, lines 2–5 in Extract 10.3	206
10.3	I kind of like to go to Guatemala but, line 8 in Extract 10.5	210
10.4	God listen, line 23 in Extract 10.5	212
10.5	Incredible r- like resort, lines 48-49 in Extract 10.5	213

Preliminaries

This book is concerned with the prosody of naturally occurring conversation. It explores the ways in which participants in everyday talk use and interpret the 'musical' aspects of speech, that is, pitch, timing, loudness and voice quality, as part of social interaction. This book is not an introduction to phonetics or phonology, although it does make use of some phonetic concepts to describe prosodic phenomena. My central aim is to introduce the non-expert reader to the analysis of the prosody of spontaneous talk. All descriptions, definitions and analyses are presented in combination with examples from everyday conversations. In following this approach I treat prosody as an integral part of human interaction, and interaction as a collaborative achievement by interactants themselves. This perspective on language has been developed by researchers in the fields known as conversation analysis (CA) and interactional linguistics, and the approach to language study adopted here is a conversation analytic/interactional linguistic one.

During the second half of the 20th century, a way of investigating language emerged that took an entirely new perspective on language itself and its role for human communication. From the mid-1960s, the sociologists Harvey Sacks and Emanuel A. Schegloff were among the first to suggest that the primary habitat of language is natural conversation. This position was, and still is, in stark contrast to traditional enquiry into language in the field of linguistics, whose typical object of study is language as a primarily cognitive and monological activity. Sacks and Schegloff postulated that all aspects of interaction, including all features of language, must be studied in the context of their occurrence and from the perspective of the conversational participants themselves. Analytical claims and interpretations regarding any part of human interaction must be based entirely on evidence that shows their reality for those interacting with one another. Again, this marked a significant change from conventional linguistic investigation, where language is typically either studied in isolation from its speakers and from natural contexts, or where language production is experimentally elicited and controlled.

This new approach soon found its way from sociology into linguistics and established itself as 'interactional linguistics'. Students of language in this area

adopted the view that language must be analysed as a human activity, rather than a theoretical system of rules, and interactional linguists began exploring many different aspects of language in this new light. Previously unquestioned linguistic categories were investigated for their relevance for conversational participants themselves; some survived this 'reality check', others did not. Alongside the field of syntax, the fields of phonetics and phonology became a particularly fruitful area of interactional linguistic investigation. From the mid-1980s onwards, groundbreaking research by phonologists such as Elizabeth Couper-Kuhlen, Margret Selting and John Local brought to light the crucial role played by prosody for natural conversation. While it could be shown that participants orient to prosodic patterns as relevant for a variety of conversational activities, prosody as such emerged as integral to all aspects of spontaneous spoken interaction.

This book introduces the most relevant analytical tools and concepts for a prosodic analysis of naturally occurring talk. For this purpose, the present chapter gives an overview of the most relevant terminology and analytical practice regarding both the analysis of conversation and of prosody. Subsequently, some of the most central findings in recent research on prosody are presented and the transcription system used in this book is introduced. The final section contains an outline of the chapters in the rest of the book.

All examples used in this book can be found on the accompanying website (www.palgrave.com/language/analysingconversation). Each time the headphone icon Ω appears next to a transcript, the sound file can be listened to on the website. I cannot recommend strongly enough that readers should make use of the opportunity to listen to the extracts, rather than simply read the transcripts, as the prosodic features described here only really come to life when they are heard. As this book takes seriously the importance of working with naturally occurring discourse, the data extracts take centre stage in almost every part of the book.

I.I Analysing natural conversation

In many areas of linguistics the study of language typically involves isolating areas such as sounds, meaning or grammar and developing theories that are based on internal rules within these areas. Those rules are established through linguists' theoretical considerations and based on constructed examples. Language in this tradition is treated as a formal system with laws of its own and is often investigated independently of its use in natural contexts. In contrast, for conversation analysis and interactional linguistics it is precisely the real life uses of language that are of interest: language is considered a repertoire of resources for human interaction, and conversation analytic research shows that the employment of those resources is highly ordered. In contrast to the formal analysis typical of theoretical linguistics, practitioners of conversation analysis use a normative approach. They generally do not speak of 'rules', but of the normative orderliness of social interaction. For example, one action, such as a first greeting, may make a next action, such as a return greeting, relevant or expectable. However, those expectations are not rules in any strict sense: we

may find them broken by participants themselves, leading to inferences and interactional strategies dealing with the noticeable deviation from an expectable pattern. A next participant may not offer a return greeting, but ask a question instead. In conversation analysis, this would not be considered a 'mistake', but an insight into how this participant interprets the interaction at hand; in this case, his or her next action may show that he or she did not interpret the prior utterance as a greeting. We should therefore not think of the organisation of conversation as rule governed, but as normatively ordered – with conversationalists themselves acting out this order at any given moment in time.

Participants employ a shared repertoire of routine conversational practices, some of which seem to be universal, while others depend on the individual ethnic, cultural and/or social group a speaker belongs to. Typically, these practices are accomplished in the form of 'turns', that is participants' contributions to conversations; 'turn constructional units' (TCUs), that is utterances which could potentially be complete turns; or their building blocks ('intonation phrases', see Chapter 3; or 'turn constructional phrases' (TCPs), see Szczepek Reed (2010a, 2010c)). Discovering this repertoire of conversational practices is one of the main aims in interactional linguistics and conversation analysis. And while we can observe participants using many well-known linguistic units, such as sounds, noun phrases or sentences, in their talk, thinking of these as fixed linguistic categories is not necessarily the best way forward in exploring language in interaction. Instead, thinking of them initially simply as conversational practices will allow us as analysts to free our mind from any preconceptions and investigate what is treated as interactionally relevant by participants themselves. See, for example, the utterance can I say something at line 12 in Extract 1.1.

Extract I.I SBC033 Guilt 🙃

```
Apropos something [JENnifer said in MAY;
1 Leann:
                              [well WAIT -
 2 Laura:
 3
            you know [liz-
4 Don:
                     MA,
 5
            [you HAVE to hear this;
            << falsetto+f> WAIT WAIT ->
 6 Leann:
 7 Jenn:
            WHAT -
 8 Bill:
            [<<f> will you let leann FINish;>
9 Jenn:
            [did i -
            << falsetto+f> WAIT -
10 Leann:
11
            \uparrowTIME; >
12
            <<falsetto> can i SAY sOmething ->
13 (0.42)
14
            JENnifer and I and dana;
15
            had a HU::GE Argument in mAY;
16
            which creAted a RIFT;
            for about a DAY. 99
17
```