Contents

Lis	t of	Figure.	S	page viii			
Lis	t of	Tables		X			
		vledgm		xii			
1							
1	Intr	1					
	1.1	Introdu		1			
	1.2		perational Definition of a "Corpus"	7			
			A Sample of Texts	7			
			A Corpus Is Large	9			
			A Principled Sample Designed to Represent a Domain	10 11			
	1.3 A Preliminary Definition of Representativeness in Corpus Linguistics						
	1.4 Target Audiences for DELC						
			and Key Features of the Book	15			
	Chaj	oter I Ex	tercises and Discussion Points	18			
2	Approaches to Representativeness in Previous Corpus Linguistic						
	Res	28					
	2.1	What Is	s the Statistical Meaning of REPRESENTATIVENESS?	28			
	2.2		A Survey of Previous Conceptualizations of Representativeness				
	in Corpus Linguistics						
		*	Representativeness = "GENERAL ACCLAIM FOR DATA"	30			
		2.2.2	Representativeness = "ABSENCE OF SELECTIVE FORCES"	31			
		2.2.3	Representativeness = "TYPICAL OR IDEAL CASES"	32			
		2.2.4	Representativeness = "MINIATURE OF THE POPULATION"	33			
		2.2.5	Representativeness = "COVERAGE OF THE POPULATION'S				
			HETEROGENEITY"	34			
		2.2.6	Representative = "PERMITTING GOOD ESTIMATION"	35			
		2.2.7	Representativeness = "DESIGNED FOR A PARTICULAR PURPOSE"	36			
		2.2.8	A VERY LARGE CORPUS IS A DE FACTO REPRESENTATIVE CORPUS	36			
		2.2.9	A BALANCED CORPUS IS A REPRESENTATIVE CORPUS	37			
		2.2.10	A REPRESENTATIVE CORPUS IS NEVER POSSIBLE	39			
	2.3	Chapte	r Summary	41			
	Chapter 2 Exercises and Discussion Points						

3	Corpus Representativeness: A Conceptual and Methodological Framework					
	3.1	Overv	iew and Definitions	52		
	3.2		istic Parameter Estimation - The Ultimate Objective of Corpus			
			istic Analysis	56		
	3.3	_	istic Research Goals	57		
	3.4					
	3.5					
	3.6					
		-	derations	61		
	3.7	7 Representativeness as a Continuous Construct		62		
	3.8		er Summary	63		
	Cha		xercises and Discussion Points	64		
4	Domain Considerations					
	4.1	Introd	uction	68		
	4.2	Descri	ibing the Domain	71		
		4.2.1	Methods and Resources for Domain Description	81		
		4.2.2	Defining Domain Boundaries	86		
		4.2.3	Establishing Domain-Internal Categories	88		
	4.3	Opera	tionalizing the Domain	91		
		4.3.1	Specifying Operational Domain Boundaries and Strata	93		
		4.3.2	Evaluation: Operational Domain -> Domain	97		
	4.4	Sampl	ling the Texts	98		
		4.4.1	Sampling Units and Sampling Designs	98		
		4.4.2	Stratification	100		
		4.4.3	Relative Sizes of the Strata	100		
		4.4.4	Randomness	103		
		4.4.5	Nonrandom Sampling Methods	103		
		4.4.6	Evaluation: Corpus → Operational Domain	104		
	4.5	Detailed Case Study: From Domain Analysis to Corpus Design in the AJRC		105		
	4.6	Conclusion		112		
	Cha	pter 4 E	Exercises and Discussion Points	113		
5	Dis	Distribution Considerations 12				
	5.1	Introd	uction	122		
	5.2	Lingu	istic Variables	123		
	5.3 Sample Size		le Size	124		
		5.3.1	Undersampling	125		
		5.3.2	Oversampling	128		
	5.4	Analy	zing Sample Size and Precision for Linguistic Rates of Occurrence	129		
		5.4.1	Determining Required Sample Size for Creating a New Corpus	130		
		5.4.2	Determining Precision for an Existing Corpus	134		
		5.4.3	Common Misconceptions about Sample Size	136		
	5.5	Achie	ving Precise Analyses of Linguistic Types	138		
		5.5.1	Corpora That Contain As Many Different Words As Possible	139		
		5.5.2	Creating a Rank-Ordered List of Linguistic Types	142		
	Chapter 5 Exercises and Discussion Points					

Contents	vii				
6 The Influence of Domain and Distribution Considerations on					
Corpus Representativeness – Bringing It All Together	156				
6.1 Corpus Representativeness and Linguistic Parameter Estimation	156				
6.2 Experimentally Investigating Domain and Distribution Considerations As					
Predictors of Quantitative-Linguistic Accuracy	160				
6.2.1 Methods for the Experiments	161				
6.2.2 Results of the Experiments	166				
Chapter 6 Exercises and Discussion Points	174				
Corpus Design and Representativeness in Practice					
WITH DANIEL KELLER					
7.1 Introduction	177				
7.2 Key Steps in Ensuring and Evaluating Corpus Representativeness	178				
7.3 Designing and Creating Representative Corpora: Two Case Studies	182				
7.3.1 Case Study 1: Designing and evaluating the representativeness					
of a Corpus of Yelp Restaurant Reviews	182				
7.3.2 Case Study 2: Designing and evaluating the representativeness					
of a Corpus of YouTube Vlogs	191				
7.3.3 Summary: Addressing Challenges in the Creation of New Corpora					
7.4 Evaluating the Suitability of an Existing Corpus for a Particular Research Question: Academic Research Writing	201				
7.5 Conclusion	216				
Chapter 7 Exercises and Discussion Points	218				
Chapter / Literoises and Discussion I onto	210				
Glossary	220				
Appendix A List of Example Stand-alone Corpus Description					
Articles	224				
Appendix B Survey of Corpus Design and Compilation Practices	226				
B1 Corpus Survey	226				
B2 Synthesis and Commentary	258				
B2.1 Corpus Description	258				
B2.2 Domain Description					
B2.3 Evaluation and Documentation	268				
B3 Looking Ahead	270				
References	271				
Index	280				