Contents

Contributors	vii	В	
Looking back and forward:		Aging across the ages	
An introduction—Defining, refining,		riging deress the ages	
and [re]modeling age estimation:		3. Subadult age estimation variable	s:
A trajectory for forensic anthropology	ix	Exploring their varying roles across ontog Kyra E. Stull, Louise K. Corron, and Michael H. Price	geny
A		Background Statistical explorations of correlation and	50
Longstanding problems of		conditional dependence	53
"the population"		Conclusions	71
the population		Acknowledgments References	71 72
1. Using data from the US Korean W	′ar	References	12
Dead and the Terry Collection to demonstrate problems of the common "overlap methods"		4. Aging the elderly: Does the skull tell us something about age at death? Flávia Teixeira and Eugénia Cunha	
Lyle W. Konigsberg		Introduction	75
Material and methods	5	Material and methods	78
Results	11	Statistical analysis	83
Discussion	22	Results	84
Acknowledgments	23	Results per variable	86
References	23	Discussion	93
		References	95 07
2. Testing for differences in senescence	ce	Further reading	97
using score data to understand the effect	cts	5. Population variation in diaphyses	
of reference sample choices		growth and age estimation of juvenil	.e
Susan R. Frankenberg		skeletal remains	
	20	Hugo F.V. Cardoso, Laure Spake, Luis Ríos, and John Alban	nese
Samples and data	28	Land Latin	99
Methodological approach and analytical framework	29	Introduction Samples	104
Testing for sample effects using a single age	2)	Research hypotheses and predictions	110
estimator	32	Analysis	111
Testing for sex and race effects using multiple		Results	113
age estimators	35	Discussion	126
Discussion	42	Conclusion	132
References	44	References	132

vi	Con	tents	
6. Great expectations: The rise, fall, and resurrection of adult skeleta age estimation George R. Milner, Jesper L. Boldsen, Stephen D. Ousley Sara M. Getz, Svenja Weise, and Peter Tarp		Implementation Statistical analysis Discussion References	182 182 188 192
Good age estimates Conventional procedure results Resulting misconceptions Is there hope? A path forward Recommendations Acknowledgments References	140 143 145 146 148 151 152 152	D Classic indicators rejuvenat 9. The fallacy of forensic age estimation from morphometric quantifications of the pubic symph Fred L. Bookstein and Guillermo Bravo Morante	ysis
C		Introduction	199 200
7. A volumetric approach to age estimation informed by voxel selection Application to the spheno-occipital synchondrosis Nicolene Lottering, Mark D. Barry, Laura S. Gregory, Donna M. MacGregor, and Clair L. Alston-Knox	n:	A theorem about inverse regression The fallacy here perfectly describes pubic symphysis data The only solution is to change the problem Concluding remark Acknowledgments References	203 207 211 211 212
Methods Results Discussion Conclusions Acknowledgments Declaration of interest References 8. The consecutive inference of ancestry and age from shape measure of the pubic symphysis Bridget F.B. Algee-Hewitt and Jieun Kim	159 163 174 176 177 177 177	10. An application of the Bayesi SanMillán-Rissech acetabular agi method to an African American sar Preliminary results Marta San-Millán Introduction Samples and methods Results Discussion Acknowledgments References	ng

Index

179 181

Introduction
Data acquisition

231