## Contents

List of figures		page ix
Li	ist of tables	x
Pr	reface	xv
A	cknowledgements	xviii
1	Introduction	1
	1.1 The economics of team sports: three seminal contributions and the	_
	subsequent development of the subject	3
	1.2 Outline of this volume	11
	1.3 The use of econometrics in this volume	16
2	Professional football: historical development and economic	
	structure	22
	2.1 The commercial structure of Europe's 'big five' football leagues	24
	2.2 The English football league: competitive structure and team	
	performance	38
	2.3 Match attendances	56
	2.4 Admission prices and gate revenues	71
	2.5 English football and the broadcasting media	80
	2.6 Other sources of revenue and cross-subsidy	87
	2.7 Football's labour market: players' wages and the transfer system	90
	2.8 The historical development of professional football: international	
	comparisons	101
	2.9 Convergence and divergence in the league gate revenues of English	
	football clubs 2.10 Conclusion	109
	2.10 Conclusion	123
3	Competitive balance and uncertainty of outcome	125
	3.1 Economic theory of competitive balance in sports leagues	126
	3.2 Patterns in football league match results	150
	3.3 Modelling and forecasting match results	167
	3.4 Conclusion	187
4	The labour and transfer markets	189
	4.1 Player mobility, migration and career structure in the English league	191
	4.2 Patterns of international migration for professional footballers	203
	4.3 The earnings of professional footballers	209
	4.4 Determinants of players' compensation: empirical evidence	221
	4.5 The football transfer market	227
	4.6 Conclusion	236

vii

	~
V111	Contents

5	The contribution of the football manager	240
	5.1 The role of the football manager	242
	5.2 Measuring the managerial contribution: the production frontier approach	245
	5.3 Measuring managerial efficiency in English football	252
	5.4 Conclusion	262
6	Managerial change and team performance	264
	6.1 Patterns of managerial change in English football	265
	6.2 Determinants of managerial change: evidence from North American	
	team sports	280
	6.3 Specification of job-departure hazard functions	284
	6.4 Hazard functions for English managers: duration measured in seasons	286
	<ul><li>6.5 Hazard functions for English managers: duration measured in matches</li><li>6.6 The effect of managerial change on team performance: evidence from</li></ul>	296
	North American team sports	303
	6.7 Managerial succession effects in English football: performance measured by season	306
	6.8 Managerial succession effects in English football: performance measured	300
	by match	309
	6.9 Conclusion	314
		314
7	The demand for football attendance	317
	7.1 Econometric analysis of football attendances	318
	7.2 Case studies in the sociology of football attendance: FC Barcelona, and	
	Celtic and Rangers	335
	7.3 Modelling the demand for attendance at English league football,	
	1947–1997	342
	7.4 Conclusion	371
8	Information transmission and efficiency: share prices and	
	fixed-odds betting	373
	8.1 Ownership, finance and English football's stock market boom	375
	8.2 Football team performance and share price movements: an event study	381
	8.3 Efficiency of prices in the fixed-odds betting market	397
	8.4 Conclusion	416
9	Professional football: current issues and future prospects	418
	9.1 Sources of competitive imbalance in English football	419
	9.2 The future of professional football	425
	9.3 Conclusion	439
Lis	st of references	440
_	Index	