## CONTENTS

	cknowledgements st of Contributors	ix xi
In	troduction	1
P	ART I BASEBALL	3
1	. Were the 1996–2000 Yankees the best baseball team ever? GARY A. SIMON AND JEFFREY S. SIMONOFF	10
2	2. Comparing the performance of baseball players GARY KOOP	21
3	3. Career records for all modern position players eligible for the Major League Baseball Hall of Fame  JAMES J. COCHRAN	41
4	8. Streakiness in team performance: How often would we expect to see a 20-game winning streak like that of the Oakland Athletics in 2002?  JIM ALBERT	50
5	5. Statistical practice TEDDY SCHALL AND GARY SMITH	64
P	ART II OLYMPICS/TRACK & FIELD	73
6	6. Gold medals, protests, and trading ratings the 2002 Winter Olympics Figure Skating SCOTT M. BERRY	77
7	7. A statistician reads the sports pages SCOTT M. BERRY	85
8	3. Evaluation of the current decision rule in figure skating and possible improvements SAMUEL S. WU AND MARK C. K. YANG	93

9.	An analysis of decathlon data TREVOR F. COX AND RYAN T. DUNN	108
PA	RT III AMERICAN FOOTBALL	119
10.	College football rankings: The BCS and the CLT SCOTT M. BERRY	124
11.	General tiered polychotomous regression: Ranking NFL quarterbacks CHRIS WHITE AND SCOTT BERRY	132
12.	The cold-foot effect SCOTT BERRY AND CRAIG WOOD	152
13.	A penalized maximum likelihood approach for the ranking of college football teams independent of victory margins  DAVID MEASE	161
14.	Determining optimal strategy requires finding the point value of field position KEITH A. WILLOUGHBY	178
15.	Statistics and the college football championship HAL S. STERN	187
PA	RT IV CRICKET	223
16.	A fair result in foul weather FRANK DUCKWORTH	229
17.	Rating teams and analysing outcomes in one-day and test cricket P. E. ALLSOPP AND STEPHEN R. CLARKE	235
18.	Rain rules for limited overs cricket and probabilities of victory IAN PRESTON AND JONATHAN THOMAS	248
		<ul><li>248</li><li>264</li></ul>
19.	IAN PRESTON AND JONATHAN THOMAS  Focus on sport	
19.	IAN PRESTON AND JONATHAN THOMAS  Focus on sport IAN PRESTON AND JONATHAN THOMAS	264
19. PA 20.	IAN PRESTON AND JONATHAN THOMAS  Focus on sport IAN PRESTON AND JONATHAN THOMAS  RT V GOLF  Is the USGA Golf Handicap System equitable? LAWRENCE L. KUPPER, LEONARD B. HEARNE, SANDRA L. MARTIN,	264

23.	statistics ROBERT KETZSCHER AND TREVOR J. RINGROSE	317		
PA	RT VI SOCCER	333		
24.	An improved award system for soccer EDUARDO FERNANDEZ-CANTELLI AND GLEN MEEDEN	337		
25.	Balance in competition in Dutch soccer RUUD H. KONING	348		
26.	Dynamic modelling and prediction of English Football League matches for betting  MARTIN CROWDER, MARK DIXON, ANTHONY LEDFORD AND MIKE ROBINSON	363		
27.	An evaluation of characteristics of teams in association football by using a Markov process model  NOBUYOSHI HIROTSU AND MIKE WRIGHT	376		
28.	Focus on sport DAVID FORREST AND ROBERT SIMMONS	390		
PART VII OTHER SPORTS				
29.	Coach Markov pulls goalie Poisson ZIA ZAMAN	403		
30.	The National Hockey League Entry Draft, 1969–1995 DON DAWSON AND LONNIE MAGEE	411		
31.	Bowlers' hot hands REID DORSEY-PALMATEER AND GARY SMITH	423		
32.	Did Lennox Lewis beat Evander Holyfield?  HERBERT K. H. LEE, DANIEL L. CORK AND DAVID J. ALGRANATI	438		
PA	RT VIII MISCELLANEOUS TOPICS	459		
33.	Analysis of sports data by using bivariate Poisson models DIMITRIS KARLIS AND LOANNIS NTZOUFRAS	463		
34.	Dynamic rating of sports teams LEONHARD KNORR-HELD	478		
35.	Inferences about testosterone abuse among athletes: How does one teach anti-doping officials about evidence-based decision making?  DONALD A. BERRY AND LEEANN CHASTAIN	495		