SUPPLEMENTARY MATERIAL

Statistical Adjustment for Tactical Choices When Evaluating Team's Offensive Output Across Five Major European Club Soccer Leagues

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Premier League Ligue 1

1.00

1.00

1.00

1.00

1. Variable Selection Results for Corners

Score Diff = -9

Score Diff = -8

Score Diff = -7 -	1.00	1.00	1.00	1.00	1.00	
Score Diff = -6 -	1.00	1.00	1.00	1.00	1.00	
Score Diff = -5 -	1.00	1.00	1.00	1.00	1.00	
Score Diff = -4 -	1.00	1.00	1.40	1.00	1.00	
Score Diff = -3 -	1.18	1.46	1.35	1.39	1.25	
Score Diff = -2 -	1.30	1.39	1.38	1.35	1.26	
Score Diff = -1 -	1.22	1.28	1.26	1.26	1.21	
Score Diff = 0 –	1.00	1.00	1.00	1.00	1.00	
Score Diff = $+1$ -	0.84	0.73	0.74	0.74	0.77	
Score Diff = $+2$ -	0.75	0.63	0.65	0.67	0.75	
Score Diff = $+3$ -	0.74	0.59	0.63	0.62	0.68	
Score Diff = $+4$ -	0.75	0.53	0.73	0.68	0.72	
Score Diff = $+5$ -	0.70	0.45	0.61	1.00	1.00	
Score Diff = $+6$ -	1.00	1.00	1.00	1.00	1.00	
Score Diff = $+7$ -	1.00	1.00	1.00	1.00	1.00	
Score Diff = +8 -	1.00	1.00	1.00	1.00	1.00	
Score Diff = $+9$ -	1.00	1.00	1.00	1.00	1.00	
Weighted Win Prob -	1.90	1.94	1.75	1.77	1.98	
Home (vs Away) -	1.05	1.06	1.15	1.10	1.06	
Red Card Diff -	0.69	0.72	0.71	0.69	0.66	

La Liga

1.00

1.00

Serie A

1.00

1.00

Bundesliga

1.00

1.00

Fig. (S1). Stepwise variable selection results for 15 seasons (2008-2023) across five major European soccer leagues, converted into multiplicative effects of the respective variables on corner kicks. A value of "1.00" indicates no effect (*i.e.*, the variable was not selected), while coefficients above and below 1.00 represent positive and negative effects on corners, respectively. The score differential of 0 was not an explicit vari- able in the selection process (it served as the baseline) and is included here solely to represent the tied game scenario.





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2. Statistical Adjustment for Corners

Table S1. The largest positive (top five rows) and negative (bottom five rows) adjustments to corner kicks produced in a game for each major European soccer league. "@" indicates that the team played at the opponent's home field (*i.e.*, away). "*" indicates that the game had periods with a score or red card differential greater than ± 1 (*e.g.*, a team was ahead by at least two goals or down two men).

League		Opponent	Season	Total	Corners	Actual Corners (& Minutes Played) When			
	Team			Actual	Adjusted	Up 1+ goal	Down 1+ goal	Up 1+ men	Down 1+ men
ENG	Man City	@ Norwich	2012/13	9	15.7(1)	9*(98)	0 (0)	0 (0)	4 (56)
ESP	Barcelona	@ Celta	2020/21	8	18.5 (1)	8*(90)	0 (0)	0 (0)	7 (59)
FRA	Nice	@ Troyes	2022/23	14	20.8 (1)	14 (93)	0 (0)	0 (0)	0 (0)
GER	Wolfsburg	@ Eintracht	2012/13	9	15.2(1)	8*(86)	0 (0)	0 (0)	7 (60)
ITA	AS Roma	Palermo	2012/13	15	24.7(1)	13*(84)	0 (0)	0 (0)	2 (13)
ENG	Bournemouth	Tottenham	2018/19	10	5.3 (↓)	0 (5)	0 (0)	9*(56)	0 (0)
ESP	Getafe	Deportivo	2009/10	14	7.4 (↓)	0 (0)	13*(77)	11*(64)	0 (0)
FRA	Paris St-Ger	St Rennais	2012/13	18	8.6 (↓)	0 (0)	17 (71)	16*(71)	0 (0)
GER	Eintracht	Stuttgart	2010/11	13	8.3 (♥)	0 (0)	5*(26)	13 (77)	0 (0)
ITA	AS Roma	Venezia	2021/22	20	12.5(♥)	0 (0)	14 (79)	18 (69)	0 (0)

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