

SUPPORTING INFORMATION for P. Dorian Owen and Nicholas King “Competitive Balance Measures in Sports Leagues: The Effects of Variation in Season Length”, University of Otago, Economics Discussion Papers No. 1309, July 2013

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Appendix D: Summary statistics for simulated density functions for RSD and ASD^* for the Bradley-Terry model, with draws, home advantage, and a (3,1,0) points allocation

N = number of teams; K = number of rounds of matches; G = number of games played by each team; For 1000 simulations, min = minimum value; $mean$ = arithmetic mean; $p5$, $p25$, $p50$, $p75$, and $p95$ are 5th, 25th, 50th, 75th and 95th percentiles, respectively; max = maximum value

Tables:

D1: RSD , $R = 0$

D2: ASD^* , $R = 0$

D3: RSD , $R = 1.25$

D4: ASD^* , $R = 1.25$

D5: RSD , $R = 2.5$

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Tables:

E1: *RSD*, $R = 0$

E2: *ASD**, $R = 0$

E3: *RSD*, $R = 1.25$

E4: *ASD**, $R = 1.25$

E5: *RSD*, $R = 2.5$

E6: *ASD**, $R = 2.5$

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E8: *ASD**, $R = 3.75$

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E10: *ASD**, $R = 5$

Appendix F: Summary statistics for simulated density functions for *RSD* and *ASD for the linear model, with no draws, no home advantage, and a (2,1,0) points allocation**

Tables:

F1: *RSD*, $R = 0$

F2: *ASD**, $R = 0$

F3: *RSD*, $R = 1.25$

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Appendix A: Strength rating distributions used for simulations for different numbers of teams (N)

TABLE A1

Strength Rating Distributions Used for Simulations, $N = 10$

Team	$R = 0$	$R = 1.25$	$R = 2.5$	$R = 3.75$	$R = 5$
1	0	0.625	1.25	1.875	2.5
2	0	0.486111	0.972222	1.458333	1.944444
3	0	0.347222	0.694444	1.041667	1.388889
4	0	0.208333	0.416667	0.625	0.833333
5	0	0.069444	0.138889	0.208333	0.277778
6	0	-0.06944	-0.13889	-0.20833	-0.27778
7	0	-0.20833	-0.41667	-0.625	-0.83333
8	0	-0.34722	-0.69444	-1.04167	-1.38889
9	0	-0.48611	-0.97222	-1.45833	-1.94444
10	0	-0.625	-1.25	-1.875	-2.5

TABLE A2

Strength Rating Distributions Used for Simulations, $N = 15$

Team	$R = 0$	$R = 1.25$	$R = 2.5$	$R = 3.75$	$R = 5$
1	0	0.625	1.25	1.875	2.5
2	0	0.535714	1.071429	1.607143	2.142857
3	0	0.446429	0.892857	1.339286	1.785714
4	0	0.357143	0.714286	1.071429	1.428571
5	0	0.267857	0.535714	0.803571	1.071429
6	0	0.178571	0.357143	0.535714	0.714286
7	0	0.089286	0.178571	0.267857	0.357143
8	0	0	0	0	0
9	0	-0.08929	-0.17857	-0.26786	-0.35714
10	0	-0.17857	-0.35714	-0.53571	-0.71429
11	0	-0.26786	-0.53571	-0.80357	-1.07143
12	0	-0.35714	-0.71429	-1.07143	-1.42857
13	0	-0.44643	-0.89286	-1.33929	-1.78571
14	0	-0.53571	-1.07143	-1.60714	-2.14286
15	0	-0.625	-1.25	-1.875	-2.5

TABLE A3Strength Rating Distributions Used for Simulations, $N = 20$

Team	$R = 0$	$R = 1.25$	$R = 2.5$	$R = 3.75$	$R = 5$
1	0	0.625	1.25	1.875	2.5
2	0	0.559211	1.118421	1.677632	2.236842
3	0	0.493421	0.986842	1.480263	1.973684
4	0	0.427632	0.855263	1.282895	1.710526
5	0	0.361842	0.723684	1.085526	1.447368
6	0	0.296053	0.592105	0.888158	1.184211
7	0	0.230263	0.460526	0.690789	0.921053
8	0	0.164474	0.328947	0.493421	0.657895
9	0	0.098684	0.197368	0.296053	0.394737
10	0	0.032895	0.065789	0.098684	0.131579
11	0	-0.03289	-0.06579	-0.09868	-0.13158
12	0	-0.09868	-0.19737	-0.29605	-0.39474
13	0	-0.16447	-0.32895	-0.49342	-0.65789
14	0	-0.23026	-0.46053	-0.69079	-0.92105
15	0	-0.29605	-0.59211	-0.88816	-1.18421
16	0	-0.36184	-0.72368	-1.08553	-1.44737
17	0	-0.42763	-0.85526	-1.28289	-1.71053
18	0	-0.49342	-0.98684	-1.48026	-1.97368
19	0	-0.55921	-1.11842	-1.67763	-2.23684
20	0	-0.625	-1.25	-1.875	-2.5

TABLE A4Strength Rating Distributions Used for Simulations, $N = 25$

Team	$R = 0$	$R = 1.25$	$R = 2.5$	$R = 3.75$	$R = 5$
1	0	0.625	1.25	1.875	2.5
2	0	0.572917	1.145833	1.71875	2.291667
3	0	0.520833	1.041667	1.5625	2.083333
4	0	0.46875	0.9375	1.40625	1.875
5	0	0.416667	0.833333	1.25	1.666667
6	0	0.364583	0.729167	1.09375	1.458333
7	0	0.3125	0.625	0.9375	1.25
8	0	0.260417	0.520833	0.78125	1.041667
9	0	0.208333	0.416667	0.625	0.833333
10	0	0.15625	0.3125	0.46875	0.625
11	0	0.104167	0.208333	0.3125	0.416667
12	0	0.052083	0.104167	0.15625	0.208333
13	0	0	0	0	0
14	0	-0.05208	-0.10417	-0.15625	-0.20833
15	0	-0.10417	-0.20833	-0.3125	-0.41667
16	0	-0.15625	-0.3125	-0.46875	-0.625
17	0	-0.20833	-0.41667	-0.625	-0.83333
18	0	-0.26042	-0.52083	-0.78125	-1.04167
19	0	-0.3125	-0.625	-0.9375	-1.25
20	0	-0.36458	-0.72917	-1.09375	-1.45833
21	0	-0.41667	-0.83333	-1.25	-1.66667
22	0	-0.46875	-0.9375	-1.40625	-1.875
23	0	-0.52083	-1.04167	-1.5625	-2.08333
24	0	-0.57292	-1.14583	-1.71875	-2.29167
25	0	-0.625	-1.25	-1.875	-2.5

Appendix B: Density functions for competitive balance measures for the linear model, with draws, home advantage, and a (3,1,0) points allocation

FIGURE B1

Density functions of balance measures for $R = 0$ (perfect balance), $N = 10$, varying K

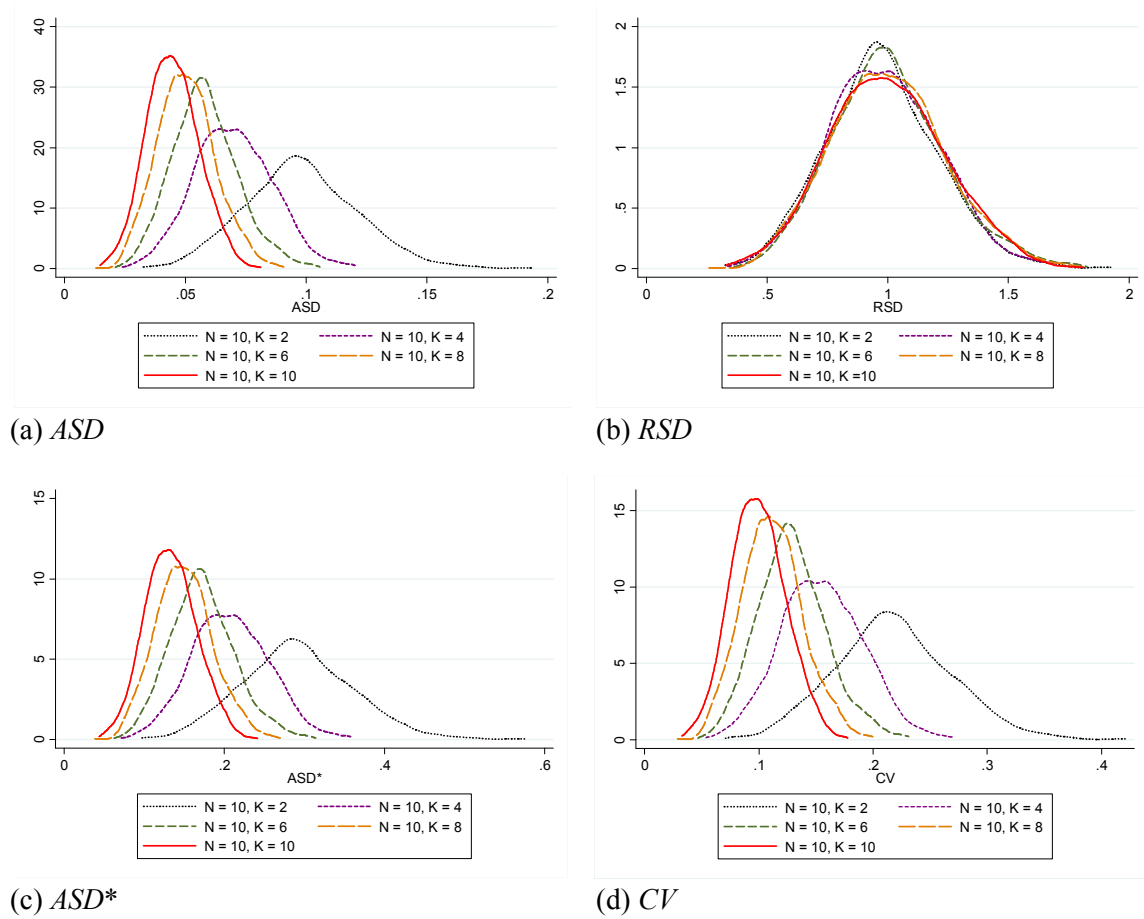


FIGURE B2

Density functions of balance measures for $R = 0$ (perfect balance), $K = 2$, varying N

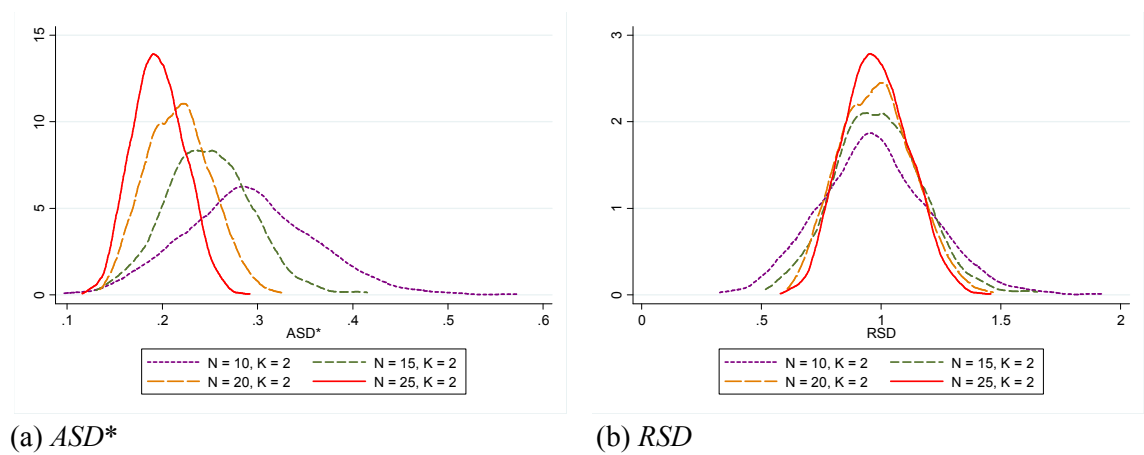
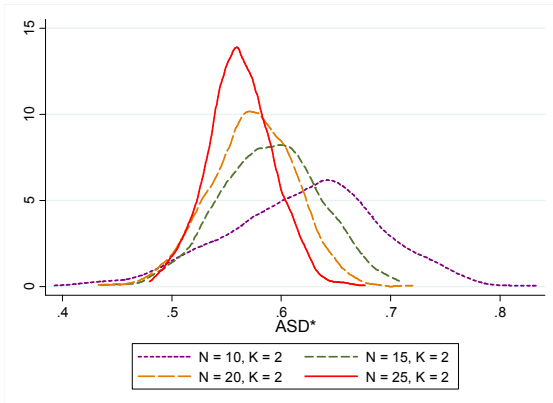
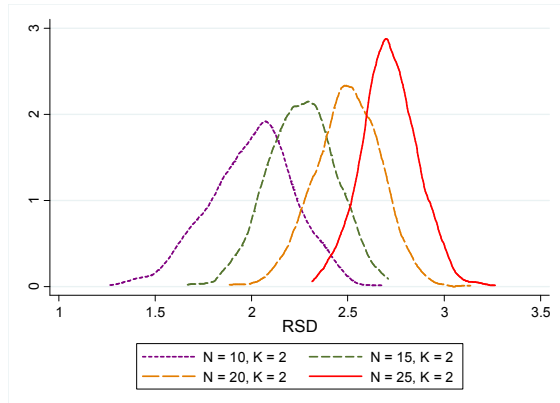


FIGURE B3

Density functions of balance measures for $R = 2.5$ (moderate imbalance), $K = 2$, varying N



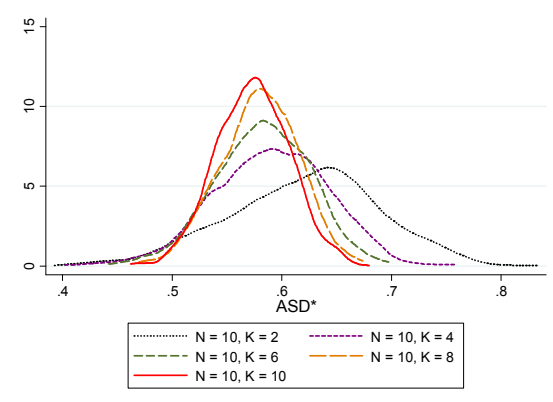
(a) ASD^*



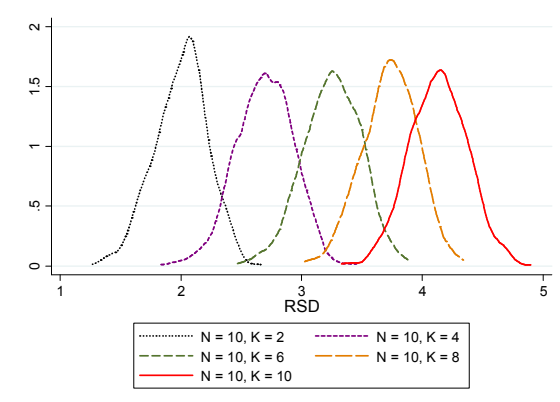
(b) RSD

FIGURE B4

Density functions of balance measures for $R = 2.5$ (moderate imbalance), $N = 10$, varying K



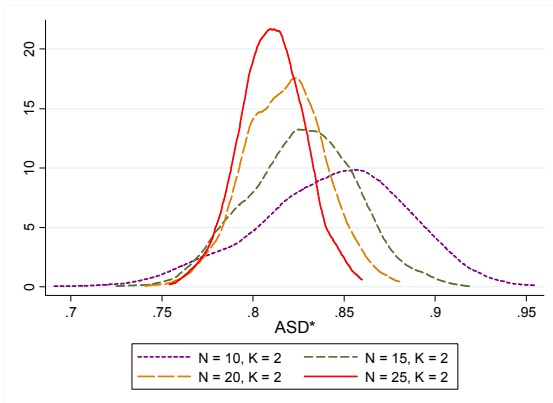
(a) ASD^*



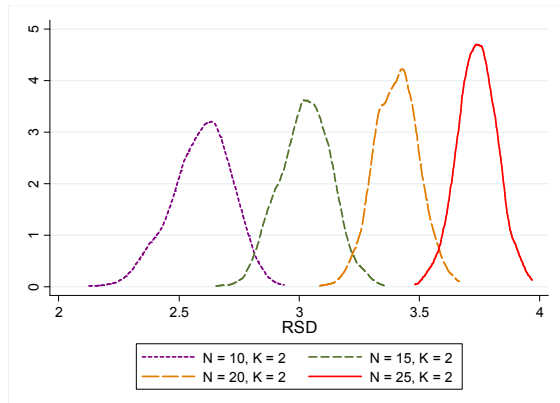
(b) RSD

FIGURE B5

Density functions of balance measures for $R = 5$ (severe imbalance), $K = 2$, varying N



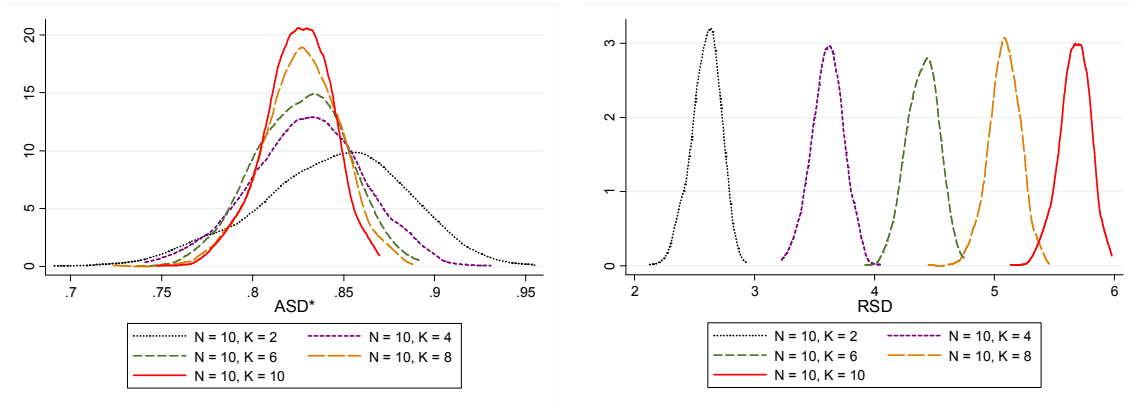
(a) ASD^*



(b) RSD

FIGURE B6

Density functions of balance measures for $R = 5$ (severe imbalance), $N = 10$, varying K

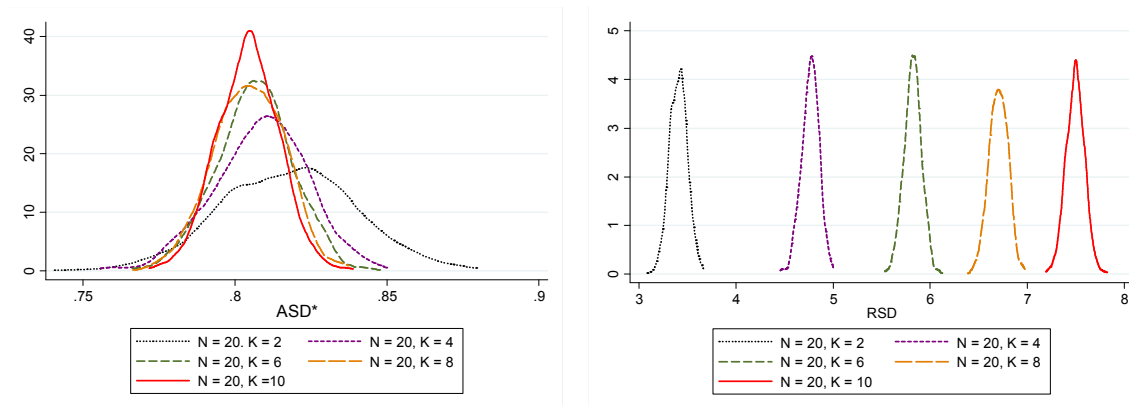


(a) ASD^*

(b) RSD

FIGURE B7

Density functions of balance measures for $R = 5$ (severe imbalance), $N = 20$, varying K



(a) ASD^*

(b) RSD

Appendix C: Density functions for competitive balance measures for the linear model, with no draws, no home advantage, and a (2,1,0) points allocation

FIGURE C1

Density functions of balance measures for $R = 0$ (perfect balance), $N = 10$, varying K

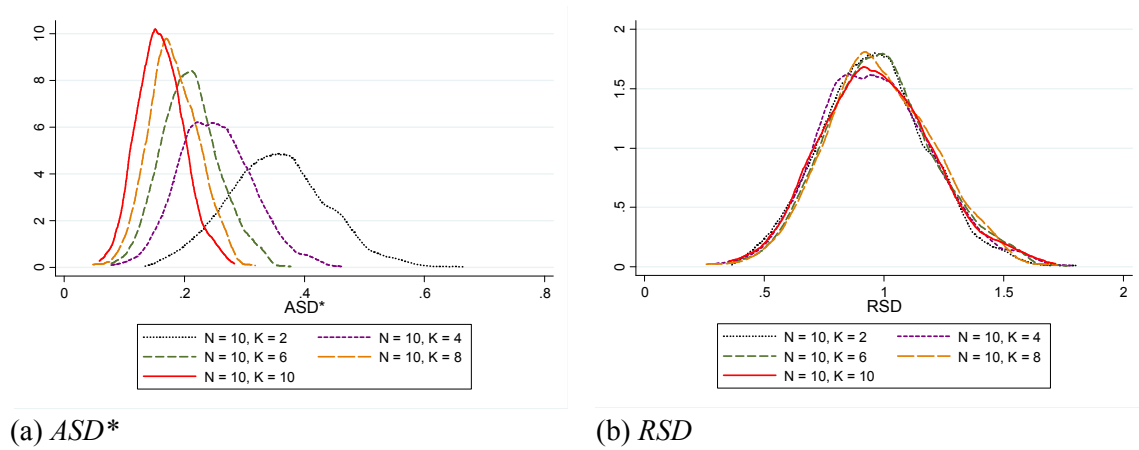


FIGURE C2

Density functions of balance measures for $R = 0$ (perfect balance), $K = 2$, varying N

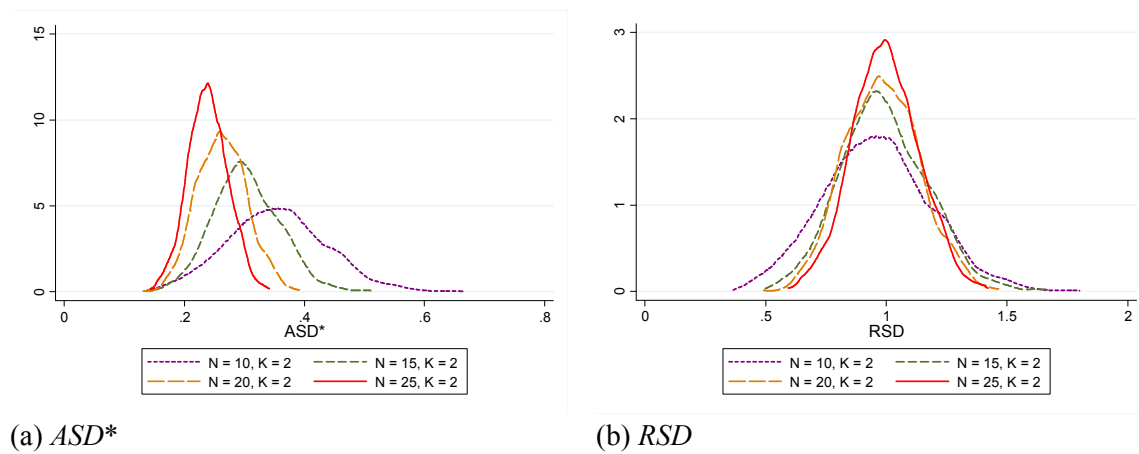


FIGURE C3

Density functions of balance measures for $R = 2.5$ (moderate imbalance), $K = 2$, varying N

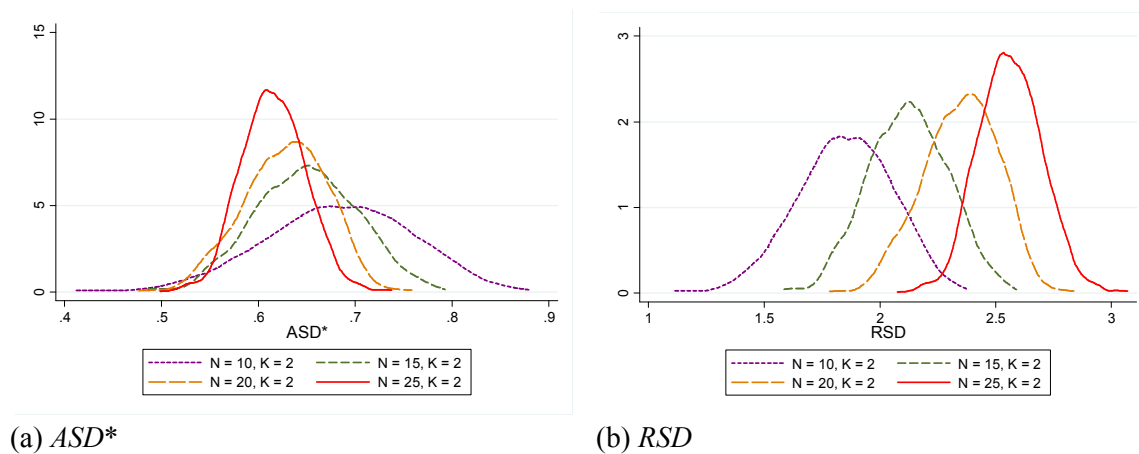
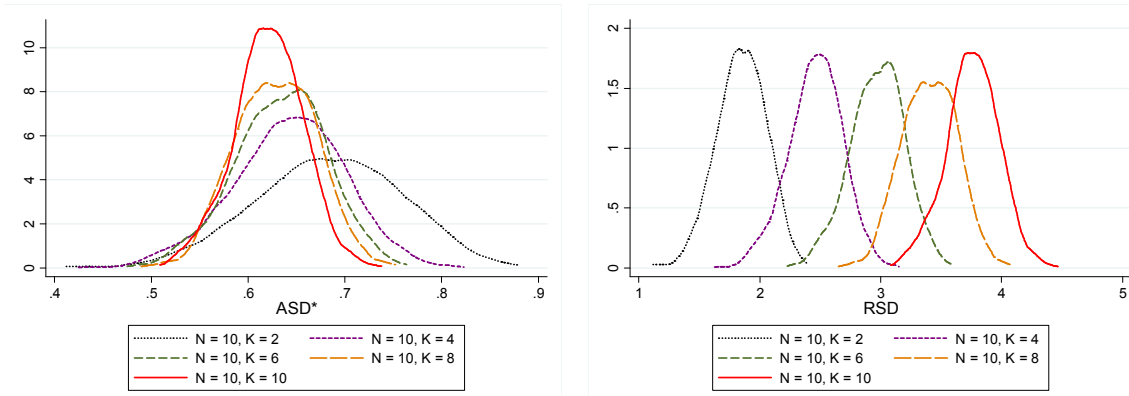


FIGURE C4

Density functions of balance measures for $R = 2.5$ (moderate imbalance), $N = 10$, varying K

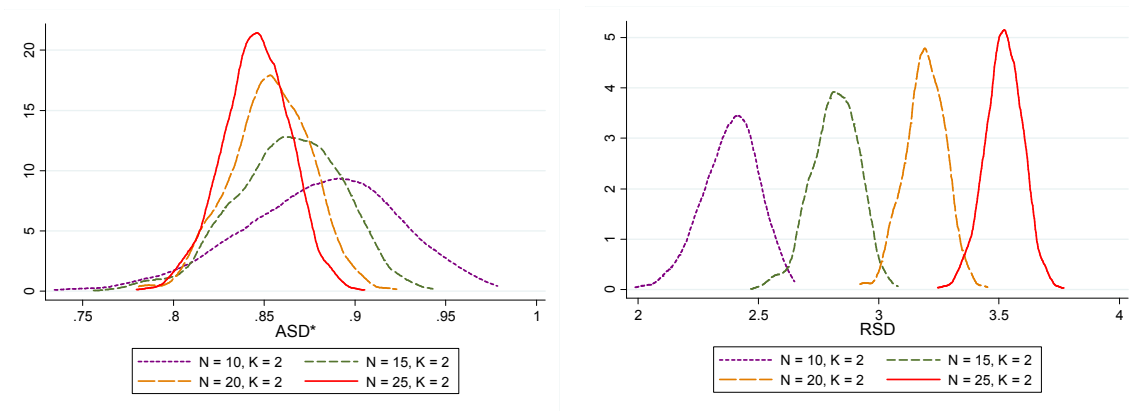


(a) ASD^*

(b) RSD

FIGURE C5

Density functions of balance measures for $R = 5$ (severe imbalance), $K = 2$, varying N

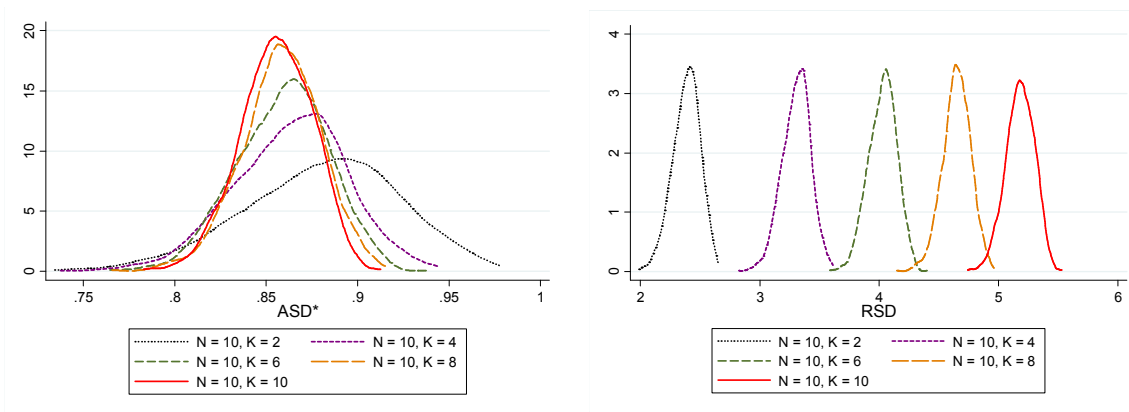


(a) ASD^*

(b) RSD

FIGURE C6

Density functions of balance measures for $R = 5$ (severe imbalance), $N = 10$, varying K



(a) ASD^*

(b) RSD

Appendix D: Summary statistics for simulated density functions for *RSD* and *ASD for the Bradley-Terry model, with draws, home advantage, and a (3, 1, 0) points allocation**

TABLE D1

RSD for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 0$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.33	0.60	0.80	0.96	0.95	1.10	1.37	1.89
10	4	36	0.40	0.61	0.80	0.96	0.96	1.11	1.33	1.77
10	6	54	0.31	0.61	0.79	0.96	0.95	1.11	1.35	1.98
10	8	72	0.42	0.60	0.79	0.95	0.94	1.10	1.31	1.98
10	10	90	0.36	0.57	0.79	0.95	0.94	1.10	1.31	1.65
15	2	28	0.47	0.67	0.83	0.95	0.95	1.07	1.24	1.52
15	4	56	0.43	0.68	0.83	0.96	0.95	1.08	1.24	1.53
15	6	84	0.45	0.66	0.82	0.95	0.95	1.08	1.26	1.61
15	8	112	0.42	0.67	0.82	0.95	0.94	1.07	1.25	1.57
15	10	140	0.38	0.67	0.83	0.95	0.94	1.06	1.25	1.61
20	2	38	0.52	0.70	0.85	0.95	0.95	1.07	1.22	1.45
20	4	76	0.52	0.71	0.84	0.95	0.95	1.05	1.21	1.45
20	6	114	0.55	0.70	0.84	0.95	0.94	1.05	1.22	1.45
20	8	152	0.52	0.71	0.85	0.95	0.95	1.05	1.23	1.49
20	10	190	0.43	0.70	0.83	0.94	0.94	1.04	1.18	1.39
25	2	48	0.57	0.73	0.85	0.95	0.95	1.04	1.18	1.44
25	4	96	0.59	0.74	0.86	0.96	0.95	1.05	1.19	1.60
25	6	144	0.56	0.73	0.85	0.94	0.94	1.03	1.18	1.46
25	8	192	0.57	0.73	0.86	0.95	0.94	1.04	1.20	1.44
25	10	240	0.53	0.74	0.85	0.95	0.95	1.04	1.19	1.38

TABLE D2

*ASD** for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 0$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.10	0.18	0.24	0.29	0.28	0.33	0.41	0.56
10	4	36	0.08	0.13	0.17	0.20	0.20	0.23	0.28	0.37
10	6	54	0.05	0.11	0.14	0.16	0.16	0.19	0.23	0.34
10	8	72	0.06	0.09	0.12	0.14	0.14	0.16	0.20	0.29
10	10	90	0.05	0.08	0.11	0.13	0.13	0.15	0.17	0.22
15	2	28	0.12	0.17	0.21	0.24	0.24	0.27	0.31	0.38
15	4	56	0.08	0.12	0.15	0.17	0.17	0.19	0.22	0.27
15	6	84	0.06	0.10	0.12	0.14	0.14	0.16	0.18	0.23
15	8	112	0.05	0.08	0.10	0.12	0.12	0.13	0.16	0.20
15	10	140	0.04	0.08	0.09	0.11	0.11	0.12	0.14	0.18
20	2	38	0.11	0.15	0.19	0.21	0.21	0.24	0.27	0.32
20	4	76	0.08	0.11	0.13	0.15	0.15	0.16	0.19	0.23
20	6	114	0.07	0.09	0.11	0.12	0.12	0.13	0.16	0.19
20	8	152	0.06	0.08	0.09	0.11	0.10	0.12	0.14	0.16
20	10	190	0.04	0.07	0.08	0.09	0.09	0.10	0.12	0.14
25	2	48	0.11	0.15	0.17	0.19	0.19	0.21	0.23	0.29
25	4	96	0.08	0.10	0.12	0.14	0.13	0.15	0.17	0.23
25	6	144	0.06	0.08	0.10	0.11	0.11	0.12	0.14	0.17
25	8	192	0.06	0.07	0.09	0.10	0.09	0.10	0.12	0.14
25	10	240	0.05	0.07	0.08	0.08	0.08	0.09	0.11	0.12

TABLE D3*RSD* for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 1.25$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.54	0.87	1.10	1.29	1.29	1.47	1.71	2.25
10	4	36	0.73	1.13	1.38	1.57	1.57	1.77	2.04	2.32
10	6	54	0.87	1.38	1.65	1.84	1.83	2.04	2.33	2.79
10	8	72	1.04	1.54	1.80	2.03	2.02	2.25	2.52	2.94
10	10	90	1.29	1.76	2.06	2.24	2.25	2.44	2.73	3.00
15	2	28	0.68	1.03	1.26	1.40	1.40	1.54	1.74	2.02
15	4	56	1.02	1.38	1.58	1.74	1.73	1.89	2.09	2.41
15	6	84	1.31	1.62	1.86	2.01	2.02	2.18	2.39	2.79
15	8	112	1.54	1.92	2.13	2.29	2.28	2.45	2.66	2.92
15	10	140	1.79	2.11	2.35	2.51	2.51	2.67	2.90	3.24
20	2	38	0.94	1.18	1.36	1.49	1.49	1.62	1.80	2.19
20	4	76	1.36	1.58	1.76	1.90	1.90	2.04	2.24	2.48
20	6	114	1.62	1.88	2.07	2.21	2.21	2.35	2.52	2.89
20	8	152	1.95	2.19	2.37	2.51	2.51	2.65	2.86	3.13
20	10	190	2.14	2.46	2.65	2.79	2.78	2.92	3.12	3.39
25	2	48	1.08	1.31	1.46	1.59	1.59	1.70	1.88	2.25
25	4	96	1.40	1.76	1.92	2.03	2.02	2.13	2.31	2.61
25	6	144	1.82	2.11	2.28	2.39	2.39	2.52	2.68	2.94
25	8	192	2.25	2.44	2.60	2.72	2.72	2.84	3.03	3.27
25	10	240	2.47	2.72	2.89	3.01	3.01	3.13	3.33	3.63

TABLE D4*ASD** for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 1.25$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.16	0.26	0.33	0.39	0.39	0.44	0.52	0.68
10	4	36	0.15	0.24	0.29	0.33	0.33	0.37	0.43	0.49
10	6	54	0.15	0.24	0.29	0.32	0.32	0.35	0.40	0.48
10	8	72	0.16	0.23	0.27	0.30	0.30	0.34	0.38	0.44
10	10	90	0.17	0.24	0.28	0.30	0.30	0.33	0.37	0.40
15	2	28	0.17	0.26	0.32	0.35	0.35	0.39	0.44	0.51
15	4	56	0.18	0.25	0.28	0.31	0.31	0.34	0.38	0.43
15	6	84	0.19	0.24	0.27	0.29	0.29	0.32	0.35	0.41
15	8	112	0.20	0.24	0.27	0.29	0.29	0.31	0.34	0.37
15	10	140	0.20	0.24	0.27	0.28	0.28	0.30	0.33	0.37
20	2	38	0.21	0.26	0.30	0.33	0.33	0.36	0.40	0.49
20	4	76	0.21	0.25	0.28	0.30	0.30	0.32	0.35	0.39
20	6	114	0.21	0.24	0.27	0.28	0.29	0.30	0.32	0.37
20	8	152	0.22	0.24	0.26	0.28	0.28	0.30	0.32	0.35
20	10	190	0.21	0.25	0.26	0.28	0.28	0.29	0.31	0.34
25	2	48	0.22	0.26	0.30	0.32	0.32	0.34	0.38	0.45
25	4	96	0.20	0.25	0.27	0.29	0.29	0.30	0.33	0.37
25	6	144	0.21	0.25	0.27	0.28	0.28	0.29	0.31	0.34
25	8	192	0.23	0.25	0.26	0.27	0.27	0.29	0.31	0.33
25	10	240	0.22	0.24	0.26	0.27	0.27	0.28	0.30	0.33

TABLE D5*RSD* for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 2.5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.13	1.45	1.67	1.84	1.85	1.98	2.22	2.78
10	4	36	1.56	2.03	2.28	2.45	2.46	2.62	2.85	3.21
10	6	54	2.10	2.50	2.77	2.94	2.95	3.12	3.34	3.77
10	8	72	2.44	2.92	3.17	3.35	3.34	3.52	3.78	4.16
10	10	90	2.84	3.31	3.56	3.73	3.72	3.89	4.14	4.57
15	2	28	1.43	1.72	1.91	2.05	2.04	2.18	2.37	2.62
15	4	56	2.20	2.46	2.64	2.78	2.78	2.92	3.10	3.36
15	6	84	2.67	3.00	3.20	3.34	3.33	3.48	3.70	4.04
15	8	112	3.26	3.50	3.70	3.83	3.84	3.96	4.16	4.53
15	10	140	3.65	3.94	4.15	4.28	4.28	4.42	4.61	4.90
20	2	38	1.70	1.95	2.15	2.26	2.26	2.38	2.55	2.76
20	4	76	2.59	2.83	2.99	3.11	3.10	3.22	3.40	3.62
20	6	114	2.92	3.45	3.63	3.74	3.74	3.86	4.04	4.30
20	8	152	3.64	4.00	4.17	4.29	4.30	4.41	4.59	4.84
20	10	190	4.22	4.51	4.66	4.78	4.78	4.91	5.05	5.37
25	2	48	1.96	2.21	2.35	2.46	2.45	2.56	2.70	2.93
25	4	96	2.91	3.09	3.26	3.37	3.37	3.48	3.63	3.87
25	6	144	3.61	3.83	3.99	4.10	4.10	4.20	4.36	4.55
25	8	192	4.17	4.45	4.60	4.70	4.69	4.80	4.96	5.28
25	10	240	4.76	4.99	5.13	5.24	5.24	5.34	5.48	5.76

TABLE D6*ASD** for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 2.5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.35	0.45	0.51	0.57	0.57	0.61	0.68	0.85
10	4	36	0.34	0.44	0.50	0.53	0.53	0.57	0.62	0.70
10	6	54	0.37	0.44	0.49	0.52	0.52	0.55	0.59	0.67
10	8	72	0.38	0.45	0.49	0.52	0.51	0.54	0.58	0.64
10	10	90	0.39	0.46	0.49	0.51	0.51	0.54	0.57	0.63
15	2	28	0.37	0.44	0.50	0.53	0.53	0.57	0.61	0.68
15	4	56	0.40	0.45	0.48	0.51	0.51	0.54	0.57	0.62
15	6	84	0.40	0.45	0.48	0.50	0.50	0.52	0.55	0.60
15	8	112	0.42	0.45	0.48	0.50	0.50	0.51	0.54	0.59
15	10	140	0.42	0.46	0.48	0.50	0.50	0.51	0.53	0.57
20	2	38	0.39	0.44	0.49	0.52	0.52	0.54	0.58	0.63
20	4	76	0.42	0.46	0.48	0.50	0.50	0.52	0.55	0.58
20	6	114	0.38	0.45	0.48	0.49	0.49	0.51	0.53	0.57
20	8	152	0.41	0.46	0.48	0.49	0.49	0.50	0.52	0.55
20	10	190	0.43	0.46	0.47	0.49	0.49	0.50	0.51	0.55
25	2	48	0.40	0.46	0.48	0.51	0.50	0.53	0.56	0.60
25	4	96	0.42	0.45	0.47	0.49	0.49	0.51	0.53	0.56
25	6	144	0.43	0.45	0.47	0.49	0.49	0.50	0.52	0.54
25	8	192	0.43	0.46	0.47	0.48	0.48	0.49	0.51	0.54
25	10	240	0.44	0.46	0.47	0.48	0.48	0.49	0.50	0.53

TABLE D7*RSD* for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 3.75$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.55	1.87	2.09	2.22	2.23	2.36	2.51	2.73
10	4	36	2.19	2.69	2.91	3.04	3.05	3.19	3.35	3.84
10	6	54	3.12	3.34	3.56	3.69	3.70	3.83	4.01	4.29
10	8	72	3.57	3.93	4.11	4.25	4.25	4.38	4.58	4.92
10	10	90	4.07	4.40	4.60	4.73	4.72	4.86	5.06	5.33
15	2	28	1.99	2.28	2.44	2.55	2.55	2.65	2.79	3.04
15	4	56	3.02	3.25	3.41	3.52	3.52	3.64	3.78	3.95
15	6	84	3.67	3.99	4.16	4.27	4.27	4.38	4.54	4.72
15	8	112	4.41	4.65	4.81	4.91	4.92	5.03	5.17	5.38
15	10	140	4.91	5.22	5.37	5.49	5.50	5.62	5.77	6.09
20	2	38	2.33	2.59	2.74	2.83	2.84	2.93	3.07	3.20
20	4	76	3.41	3.69	3.86	3.95	3.95	4.04	4.17	4.46
20	6	114	4.29	4.55	4.69	4.79	4.79	4.89	5.01	5.22
20	8	152	5.07	5.28	5.43	5.52	5.53	5.62	5.74	5.89
20	10	190	5.64	5.93	6.05	6.15	6.16	6.26	6.39	6.55
25	2	48	2.71	2.88	3.02	3.10	3.11	3.19	3.30	3.47
25	4	96	3.95	4.12	4.24	4.32	4.33	4.41	4.52	4.73
25	6	144	4.77	5.05	5.18	5.26	5.27	5.34	5.45	5.60
25	8	192	5.69	5.84	5.98	6.07	6.06	6.15	6.28	6.46
25	10	240	6.41	6.56	6.68	6.77	6.76	6.86	6.98	7.13

TABLE D8*ASD** for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 3.75$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.49	0.59	0.66	0.70	0.70	0.75	0.79	0.86
10	4	36	0.49	0.60	0.65	0.68	0.68	0.71	0.75	0.86
10	6	54	0.57	0.61	0.65	0.67	0.67	0.70	0.73	0.78
10	8	72	0.56	0.62	0.65	0.67	0.67	0.69	0.72	0.78
10	10	90	0.57	0.62	0.65	0.67	0.67	0.69	0.71	0.75
15	2	28	0.53	0.60	0.65	0.68	0.68	0.70	0.74	0.81
15	4	56	0.57	0.61	0.64	0.66	0.66	0.68	0.71	0.74
15	6	84	0.56	0.61	0.64	0.65	0.65	0.67	0.70	0.72
15	8	112	0.59	0.62	0.64	0.65	0.65	0.67	0.69	0.71
15	10	140	0.58	0.62	0.64	0.65	0.65	0.67	0.68	0.72
20	2	38	0.54	0.60	0.64	0.66	0.66	0.68	0.72	0.75
20	4	76	0.56	0.61	0.64	0.65	0.65	0.67	0.69	0.74
20	6	114	0.58	0.61	0.63	0.64	0.65	0.66	0.67	0.70
20	8	152	0.59	0.62	0.63	0.64	0.64	0.66	0.67	0.69
20	10	190	0.59	0.62	0.63	0.64	0.64	0.65	0.67	0.68
25	2	48	0.57	0.61	0.63	0.65	0.65	0.67	0.69	0.73
25	4	96	0.59	0.61	0.63	0.64	0.64	0.66	0.67	0.70
25	6	144	0.58	0.61	0.63	0.64	0.64	0.65	0.66	0.68
25	8	192	0.60	0.62	0.63	0.64	0.64	0.65	0.66	0.68
25	10	240	0.60	0.62	0.63	0.64	0.64	0.65	0.66	0.67

TABLE D9*RSD* for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.97	2.21	2.36	2.47	2.47	2.58	2.71	2.88
10	4	36	2.67	2.93	3.08	3.18	3.19	3.29	3.43	3.69
10	6	54	3.66	3.88	4.05	4.16	4.17	4.27	4.42	4.62
10	8	72	4.19	4.51	4.67	4.78	4.78	4.89	5.02	5.30
10	10	90	4.75	5.08	5.25	5.35	5.35	5.45	5.61	5.78
15	2	28	2.43	2.62	2.76	2.85	2.85	2.93	3.06	3.25
15	4	56	3.51	3.76	3.89	3.98	3.98	4.07	4.19	4.33
15	6	84	4.39	4.63	4.76	4.85	4.85	4.94	5.07	5.24
15	8	112	5.21	5.35	5.49	5.58	5.58	5.67	5.79	5.95
15	10	140	5.74	6.00	6.12	6.22	6.22	6.31	6.44	6.61
20	2	38	2.86	3.01	3.13	3.20	3.20	3.28	3.38	3.54
20	4	76	4.13	4.29	4.40	4.48	4.48	4.55	4.66	4.84
20	6	114	5.12	5.26	5.37	5.45	5.45	5.54	5.64	5.82
20	8	152	5.89	6.11	6.21	6.29	6.29	6.37	6.47	6.61
20	10	190	6.63	6.82	6.94	7.02	7.02	7.10	7.22	7.40
25	2	48	3.09	3.33	3.44	3.51	3.52	3.58	3.68	3.80
25	4	96	4.52	4.75	4.85	4.93	4.92	5.00	5.10	5.22
25	6	144	5.60	5.83	5.93	6.00	6.00	6.07	6.16	6.33
25	8	192	6.55	6.75	6.86	6.93	6.93	7.00	7.10	7.24
25	10	240	7.38	7.57	7.65	7.73	7.73	7.81	7.91	8.15

TABLE D10*ASD** for the Bradley-Terry Model, with Draws, Home Advantage, (3, 1, 0), $R = 5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.63	0.71	0.76	0.80	0.80	0.83	0.87	0.93
10	4	36	0.65	0.72	0.75	0.78	0.78	0.80	0.84	0.90
10	6	54	0.68	0.72	0.75	0.77	0.77	0.79	0.82	0.86
10	8	72	0.68	0.73	0.75	0.77	0.77	0.79	0.81	0.85
10	10	90	0.68	0.73	0.76	0.77	0.77	0.78	0.81	0.83
15	2	28	0.66	0.71	0.75	0.77	0.77	0.79	0.83	0.88
15	4	56	0.67	0.72	0.75	0.76	0.76	0.78	0.80	0.83
15	6	84	0.69	0.72	0.74	0.76	0.76	0.77	0.79	0.82
15	8	112	0.70	0.72	0.74	0.76	0.76	0.77	0.78	0.80
15	10	140	0.69	0.73	0.74	0.75	0.75	0.76	0.78	0.80
20	2	38	0.68	0.72	0.74	0.76	0.76	0.78	0.80	0.84
20	4	76	0.69	0.72	0.74	0.75	0.75	0.77	0.78	0.81
20	6	114	0.70	0.72	0.74	0.75	0.75	0.76	0.77	0.80
20	8	152	0.70	0.73	0.74	0.75	0.75	0.76	0.77	0.79
20	10	190	0.70	0.73	0.74	0.75	0.75	0.75	0.77	0.79
25	2	48	0.66	0.72	0.74	0.75	0.75	0.77	0.79	0.82
25	4	96	0.69	0.72	0.74	0.75	0.75	0.76	0.77	0.79
25	6	144	0.69	0.72	0.73	0.74	0.74	0.75	0.76	0.78
25	8	192	0.70	0.72	0.74	0.74	0.74	0.75	0.76	0.78
25	10	240	0.71	0.73	0.73	0.74	0.74	0.75	0.76	0.78

Appendix E: Summary statistics for simulated density functions for *RSD* and *ASD for the linear model, with draws, home advantage, and a (3, 1, 0) points allocation**

TABLE E1

RSD for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 0$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.33	0.61	0.82	0.98	0.96	1.12	1.37	1.93
10	4	36	0.34	0.62	0.82	0.99	0.98	1.14	1.35	1.70
10	6	54	0.36	0.64	0.84	1.00	0.99	1.15	1.42	1.83
10	8	72	0.26	0.62	0.84	1.00	0.99	1.15	1.43	1.81
10	10	90	0.33	0.62	0.83	1.00	0.99	1.16	1.42	1.81
15	2	28	0.52	0.70	0.87	0.99	0.98	1.11	1.28	1.65
15	4	56	0.36	0.67	0.85	0.99	0.99	1.12	1.29	1.63
15	6	84	0.43	0.68	0.85	0.98	0.98	1.11	1.30	1.55
15	8	112	0.41	0.70	0.86	0.99	0.98	1.12	1.30	1.54
15	10	140	0.47	0.70	0.86	1.00	1.00	1.12	1.32	1.75
20	2	38	0.61	0.74	0.87	0.98	0.98	1.08	1.24	1.47
20	4	76	0.51	0.74	0.87	0.99	0.99	1.10	1.25	1.56
20	6	114	0.53	0.72	0.87	0.98	0.97	1.09	1.25	1.48
20	8	152	0.53	0.72	0.88	0.98	0.97	1.09	1.25	1.53
20	10	190	0.57	0.74	0.87	0.99	0.99	1.10	1.25	1.56
25	2	48	0.58	0.76	0.88	0.98	0.97	1.07	1.21	1.46
25	4	96	0.48	0.76	0.88	0.98	0.97	1.07	1.22	1.48
25	6	144	0.51	0.76	0.88	0.99	0.99	1.09	1.22	1.40
25	8	192	0.56	0.75	0.88	0.98	0.98	1.08	1.22	1.38
25	10	240	0.58	0.75	0.87	0.97	0.97	1.07	1.21	1.53

TABLE E2

*ASD** for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 0$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.10	0.18	0.25	0.29	0.29	0.33	0.41	0.57
10	4	36	0.07	0.13	0.17	0.21	0.21	0.24	0.29	0.36
10	6	54	0.06	0.11	0.15	0.17	0.17	0.20	0.24	0.31
10	8	72	0.04	0.09	0.12	0.15	0.15	0.17	0.21	0.27
10	10	90	0.04	0.08	0.11	0.13	0.13	0.15	0.19	0.24
15	2	28	0.13	0.18	0.22	0.25	0.25	0.28	0.32	0.42
15	4	56	0.06	0.12	0.15	0.18	0.18	0.20	0.23	0.29
15	6	84	0.06	0.10	0.12	0.14	0.14	0.16	0.19	0.22
15	8	112	0.05	0.09	0.11	0.12	0.12	0.14	0.16	0.19
15	10	140	0.05	0.08	0.10	0.11	0.11	0.13	0.15	0.20
20	2	38	0.13	0.16	0.19	0.22	0.22	0.24	0.28	0.33
20	4	76	0.08	0.12	0.14	0.15	0.15	0.17	0.20	0.24
20	6	114	0.07	0.09	0.11	0.13	0.12	0.14	0.16	0.19
20	8	152	0.06	0.08	0.10	0.11	0.11	0.12	0.14	0.17
20	10	190	0.06	0.07	0.09	0.10	0.10	0.11	0.12	0.15
25	2	48	0.12	0.15	0.18	0.20	0.19	0.21	0.24	0.29
25	4	96	0.07	0.11	0.12	0.14	0.14	0.15	0.17	0.21
25	6	144	0.06	0.09	0.10	0.11	0.11	0.13	0.14	0.16
25	8	192	0.06	0.08	0.09	0.10	0.10	0.11	0.12	0.14
25	10	240	0.05	0.07	0.08	0.09	0.09	0.10	0.11	0.14

TABLE E3*RSD* for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 1.25$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.62	0.98	1.24	1.40	1.41	1.57	1.81	2.18
10	4	36	0.91	1.27	1.55	1.75	1.75	1.95	2.22	2.71
10	6	54	1.20	1.53	1.83	2.04	2.05	2.25	2.52	2.99
10	8	72	1.43	1.76	2.09	2.29	2.30	2.49	2.79	3.23
10	10	90	1.67	2.06	2.34	2.54	2.53	2.73	3.05	3.71
15	2	28	0.64	1.16	1.38	1.51	1.51	1.66	1.87	2.18
15	4	56	1.16	1.56	1.78	1.93	1.93	2.09	2.31	2.65
15	6	84	1.44	1.90	2.13	2.28	2.28	2.43	2.66	3.02
15	8	112	1.82	2.16	2.43	2.58	2.58	2.74	2.97	3.30
15	10	140	2.03	2.47	2.69	2.85	2.84	3.00	3.23	3.56
20	2	38	0.95	1.33	1.51	1.64	1.64	1.76	1.95	2.15
20	4	76	1.37	1.78	1.97	2.11	2.11	2.24	2.43	2.66
20	6	114	1.85	2.17	2.36	2.50	2.50	2.64	2.84	3.21
20	8	152	2.14	2.48	2.69	2.84	2.85	2.98	3.18	3.49
20	10	190	2.49	2.79	3.01	3.14	3.14	3.28	3.48	3.80
25	2	48	1.26	1.46	1.62	1.74	1.74	1.86	2.02	2.26
25	4	96	1.63	1.98	2.16	2.28	2.29	2.40	2.58	2.77
25	6	144	2.12	2.42	2.60	2.71	2.72	2.83	3.00	3.29
25	8	192	2.44	2.81	2.98	3.10	3.10	3.21	3.38	3.68
25	10	240	2.82	3.12	3.29	3.41	3.41	3.54	3.72	4.00

TABLE E4*ASD** for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 1.25$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.19	0.29	0.37	0.42	0.42	0.47	0.55	0.66
10	4	36	0.19	0.27	0.33	0.37	0.37	0.42	0.47	0.58
10	6	54	0.21	0.27	0.32	0.36	0.36	0.39	0.44	0.52
10	8	72	0.22	0.27	0.32	0.35	0.35	0.38	0.42	0.49
10	10	90	0.23	0.28	0.32	0.34	0.34	0.37	0.41	0.50
15	2	28	0.16	0.29	0.35	0.39	0.38	0.42	0.48	0.56
15	4	56	0.21	0.28	0.32	0.35	0.35	0.38	0.42	0.48
15	6	84	0.21	0.28	0.31	0.34	0.33	0.36	0.39	0.44
15	8	112	0.23	0.28	0.31	0.33	0.33	0.35	0.38	0.42
15	10	140	0.23	0.28	0.31	0.32	0.32	0.34	0.37	0.41
20	2	38	0.21	0.30	0.34	0.37	0.37	0.40	0.44	0.48
20	4	76	0.22	0.28	0.31	0.33	0.34	0.35	0.38	0.42
20	6	114	0.24	0.28	0.31	0.32	0.32	0.34	0.37	0.41
20	8	152	0.24	0.28	0.30	0.32	0.32	0.33	0.36	0.39
20	10	190	0.25	0.28	0.30	0.31	0.31	0.33	0.35	0.38
25	2	48	0.25	0.30	0.33	0.35	0.35	0.38	0.41	0.46
25	4	96	0.23	0.28	0.31	0.33	0.33	0.34	0.37	0.40
25	6	144	0.25	0.28	0.30	0.32	0.32	0.33	0.35	0.38
25	8	192	0.25	0.28	0.30	0.31	0.31	0.32	0.34	0.37
25	10	240	0.26	0.28	0.30	0.31	0.31	0.32	0.34	0.36

TABLE E5*RSD* for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 2.5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.27	1.61	1.86	2.00	2.02	2.15	2.35	2.68
10	4	36	1.83	2.30	2.53	2.69	2.70	2.86	3.07	3.45
10	6	54	2.47	2.85	3.09	3.25	3.26	3.42	3.63	3.90
10	8	72	3.03	3.34	3.58	3.73	3.74	3.89	4.08	4.34
10	10	90	3.33	3.74	3.97	4.13	4.13	4.30	4.52	4.90
15	2	28	1.67	1.97	2.14	2.26	2.26	2.38	2.54	2.71
15	4	56	2.29	2.74	2.95	3.08	3.08	3.22	3.40	3.60
15	6	84	2.95	3.43	3.61	3.74	3.74	3.87	4.05	4.34
15	8	112	3.67	3.97	4.16	4.28	4.28	4.41	4.59	4.86
15	10	140	4.13	4.45	4.65	4.77	4.78	4.91	5.09	5.34
20	2	38	1.89	2.21	2.39	2.50	2.50	2.62	2.77	3.14
20	4	76	2.90	3.17	3.34	3.45	3.45	3.56	3.72	4.01
20	6	114	3.64	3.91	4.06	4.17	4.17	4.29	4.45	4.62
20	8	152	4.29	4.51	4.66	4.78	4.78	4.89	5.07	5.33
20	10	190	4.90	5.07	5.22	5.34	5.33	5.45	5.60	5.82
25	2	48	2.31	2.48	2.62	2.72	2.71	2.81	2.96	3.26
25	4	96	3.20	3.52	3.65	3.75	3.76	3.85	3.99	4.18
25	6	144	4.11	4.32	4.46	4.56	4.56	4.65	4.79	5.05
25	8	192	4.76	4.99	5.15	5.25	5.25	5.37	5.50	5.71
25	10	240	5.32	5.61	5.75	5.85	5.86	5.95	6.09	6.26

TABLE E6*ASD** for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 2.5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.39	0.50	0.58	0.62	0.63	0.67	0.73	0.83
10	4	36	0.40	0.51	0.55	0.59	0.59	0.63	0.67	0.76
10	6	54	0.44	0.51	0.55	0.58	0.58	0.61	0.65	0.70
10	8	72	0.47	0.52	0.56	0.58	0.58	0.60	0.63	0.67
10	10	90	0.46	0.52	0.55	0.57	0.57	0.60	0.63	0.68
15	2	28	0.44	0.51	0.56	0.59	0.59	0.62	0.66	0.71
15	4	56	0.42	0.51	0.55	0.57	0.57	0.60	0.63	0.67
15	6	84	0.44	0.52	0.54	0.56	0.56	0.58	0.61	0.65
15	8	112	0.48	0.52	0.54	0.56	0.56	0.58	0.60	0.63
15	10	140	0.48	0.52	0.54	0.56	0.56	0.57	0.60	0.62
20	2	38	0.43	0.51	0.55	0.57	0.57	0.60	0.64	0.72
20	4	76	0.47	0.52	0.54	0.56	0.56	0.58	0.60	0.65
20	6	114	0.48	0.52	0.54	0.55	0.55	0.57	0.59	0.61
20	8	152	0.49	0.52	0.53	0.55	0.55	0.56	0.58	0.61
20	10	190	0.50	0.52	0.54	0.55	0.55	0.56	0.58	0.60
25	2	48	0.48	0.51	0.54	0.56	0.56	0.58	0.61	0.68
25	4	96	0.47	0.52	0.54	0.55	0.55	0.56	0.58	0.61
25	6	144	0.49	0.52	0.53	0.55	0.55	0.56	0.57	0.60
25	8	192	0.49	0.52	0.53	0.54	0.54	0.56	0.57	0.59
25	10	240	0.49	0.52	0.53	0.54	0.54	0.55	0.56	0.58

TABLE E7*RSD* for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 3.75$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.85	2.09	2.27	2.38	2.39	2.50	2.64	2.96
10	4	36	2.64	2.99	3.18	3.29	3.30	3.41	3.57	3.84
10	6	54	3.40	3.72	3.88	4.00	4.01	4.12	4.28	4.46
10	8	72	3.92	4.32	4.48	4.60	4.60	4.72	4.88	5.17
10	10	90	4.53	4.84	5.01	5.14	5.14	5.27	5.42	5.68
15	2	28	2.23	2.51	2.66	2.75	2.76	2.84	2.96	3.23
15	4	56	3.26	3.57	3.72	3.82	3.82	3.93	4.05	4.24
15	6	84	4.11	4.41	4.55	4.64	4.64	4.74	4.87	5.14
15	8	112	4.81	5.11	5.25	5.35	5.36	5.46	5.59	5.84
15	10	140	5.48	5.74	5.88	5.98	5.97	6.07	6.23	6.46
20	2	38	2.69	2.86	2.99	3.07	3.08	3.16	3.27	3.50
20	4	76	3.88	4.09	4.20	4.28	4.28	4.36	4.49	4.66
20	6	114	4.86	5.02	5.15	5.23	5.23	5.31	5.43	5.58
20	8	152	5.64	5.81	5.93	6.02	6.02	6.09	6.22	6.37
20	10	190	6.34	6.51	6.63	6.72	6.72	6.80	6.91	7.11
25	2	48	2.96	3.19	3.30	3.37	3.37	3.45	3.55	3.80
25	4	96	4.35	4.51	4.63	4.71	4.71	4.78	4.89	5.09
25	6	144	5.38	5.56	5.67	5.74	5.74	5.82	5.92	6.20
25	8	192	6.28	6.41	6.54	6.62	6.62	6.70	6.80	6.93
25	10	240	7.09	7.21	7.32	7.39	7.39	7.47	7.57	7.71

TABLE E8*ASD** for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 3.75$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.59	0.67	0.72	0.76	0.76	0.80	0.84	0.94
10	4	36	0.60	0.67	0.71	0.74	0.74	0.77	0.80	0.86
10	6	54	0.63	0.68	0.71	0.74	0.74	0.76	0.79	0.82
10	8	72	0.62	0.69	0.71	0.73	0.73	0.75	0.78	0.82
10	10	90	0.65	0.69	0.71	0.73	0.73	0.75	0.77	0.81
15	2	28	0.60	0.67	0.71	0.74	0.74	0.76	0.79	0.86
15	4	56	0.62	0.68	0.71	0.72	0.72	0.74	0.77	0.80
15	6	84	0.64	0.68	0.70	0.72	0.72	0.73	0.75	0.80
15	8	112	0.64	0.68	0.70	0.72	0.72	0.73	0.75	0.78
15	10	140	0.66	0.69	0.70	0.72	0.72	0.73	0.75	0.77
20	2	38	0.63	0.67	0.70	0.72	0.72	0.74	0.77	0.82
20	4	76	0.65	0.68	0.70	0.71	0.71	0.73	0.75	0.78
20	6	114	0.66	0.68	0.70	0.71	0.71	0.72	0.74	0.76
20	8	152	0.66	0.68	0.70	0.71	0.71	0.72	0.73	0.75
20	10	190	0.67	0.69	0.70	0.71	0.71	0.72	0.73	0.75
25	2	48	0.63	0.68	0.70	0.72	0.72	0.73	0.75	0.81
25	4	96	0.65	0.68	0.70	0.71	0.71	0.72	0.73	0.77
25	6	144	0.66	0.68	0.69	0.70	0.70	0.71	0.73	0.76
25	8	192	0.67	0.68	0.70	0.70	0.70	0.71	0.72	0.74
25	10	240	0.67	0.68	0.70	0.70	0.70	0.71	0.72	0.73

TABLE E9*RSD* for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	2.13	2.37	2.51	2.59	2.60	2.68	2.78	2.94
10	4	36	3.22	3.38	3.52	3.61	3.61	3.70	3.83	4.05
10	6	54	3.92	4.18	4.31	4.40	4.41	4.50	4.62	4.75
10	8	72	4.45	4.85	5.00	5.08	5.09	5.17	5.29	5.46
10	10	90	5.14	5.44	5.59	5.67	5.68	5.76	5.86	5.98
15	2	28	2.65	2.85	2.95	3.03	3.03	3.10	3.19	3.37
15	4	56	3.86	4.04	4.15	4.23	4.23	4.30	4.41	4.54
15	6	84	4.80	4.98	5.09	5.16	5.16	5.23	5.32	5.44
15	8	112	5.53	5.76	5.87	5.94	5.94	6.02	6.13	6.25
15	10	140	6.30	6.47	6.57	6.64	6.64	6.71	6.81	6.99
20	2	38	3.08	3.26	3.34	3.40	3.41	3.47	3.56	3.67
20	4	76	4.45	4.61	4.71	4.76	4.77	4.83	4.91	5.01
20	6	114	5.53	5.67	5.76	5.82	5.82	5.88	5.97	6.12
20	8	152	6.39	6.54	6.64	6.70	6.70	6.77	6.85	6.98
20	10	190	7.19	7.34	7.43	7.49	7.50	7.56	7.65	7.82
25	2	48	3.48	3.60	3.69	3.74	3.74	3.80	3.88	3.97
25	4	96	4.96	5.11	5.20	5.25	5.25	5.31	5.40	5.50
25	6	144	6.10	6.28	6.36	6.42	6.42	6.47	6.56	6.68
25	8	192	7.14	7.26	7.34	7.40	7.40	7.45	7.54	7.62
25	10	240	8.02	8.12	8.21	8.27	8.27	8.32	8.41	8.50

TABLE E10*ASD** for the Linear Model, with Draws, Home Advantage, (3, 1, 0), $R = 5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.69	0.77	0.82	0.84	0.85	0.87	0.91	0.95
10	4	36	0.74	0.78	0.81	0.83	0.83	0.85	0.88	0.93
10	6	54	0.74	0.78	0.81	0.83	0.83	0.84	0.87	0.89
10	8	72	0.72	0.79	0.81	0.83	0.83	0.84	0.86	0.89
10	10	90	0.75	0.79	0.81	0.82	0.83	0.84	0.85	0.87
15	2	28	0.73	0.78	0.81	0.83	0.83	0.85	0.87	0.92
15	4	56	0.75	0.78	0.80	0.82	0.82	0.83	0.85	0.88
15	6	84	0.76	0.79	0.80	0.81	0.81	0.82	0.84	0.86
15	8	112	0.75	0.79	0.80	0.81	0.81	0.82	0.84	0.85
15	10	140	0.77	0.79	0.80	0.81	0.81	0.82	0.83	0.85
20	2	38	0.74	0.78	0.80	0.82	0.82	0.83	0.85	0.88
20	4	76	0.76	0.78	0.80	0.81	0.81	0.82	0.83	0.85
20	6	114	0.77	0.79	0.80	0.81	0.81	0.81	0.83	0.85
20	8	152	0.77	0.79	0.80	0.80	0.80	0.81	0.82	0.84
20	10	190	0.77	0.79	0.80	0.80	0.80	0.81	0.82	0.84
25	2	48	0.75	0.78	0.80	0.81	0.81	0.82	0.84	0.86
25	4	96	0.76	0.78	0.80	0.80	0.80	0.81	0.83	0.84
25	6	144	0.76	0.79	0.80	0.80	0.80	0.81	0.82	0.83
25	8	192	0.77	0.79	0.79	0.80	0.80	0.81	0.82	0.82
25	10	240	0.78	0.79	0.80	0.80	0.80	0.81	0.81	0.82

Appendix F: Summary statistics for simulated density functions for *RSD* and *ASD for the linear model, with no draws, no home advantage, and a (2, 1, 0) points allocation**

TABLE F1

RSD for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 0$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.37	0.60	0.82	0.96	0.94	1.10	1.33	1.80
10	4	36	0.30	0.61	0.80	0.97	0.95	1.13	1.37	1.78
10	6	54	0.37	0.63	0.83	0.98	0.97	1.12	1.39	1.77
10	8	72	0.26	0.63	0.84	0.99	0.97	1.14	1.38	1.72
10	10	90	0.35	0.61	0.81	0.97	0.96	1.12	1.39	1.72
15	2	28	0.50	0.70	0.87	0.99	0.98	1.11	1.29	1.67
15	4	56	0.39	0.68	0.85	0.98	0.98	1.12	1.30	1.80
15	6	84	0.51	0.69	0.85	0.98	0.98	1.11	1.29	1.77
15	8	112	0.45	0.69	0.85	0.98	0.98	1.11	1.30	1.59
15	10	140	0.49	0.69	0.87	1.00	1.00	1.12	1.32	1.78
20	2	38	0.49	0.74	0.86	0.98	0.98	1.09	1.25	1.47
20	4	76	0.49	0.73	0.88	0.99	0.98	1.09	1.25	1.50
20	6	114	0.56	0.73	0.87	0.99	0.99	1.10	1.26	1.51
20	8	152	0.57	0.73	0.88	0.99	0.98	1.09	1.26	1.57
20	10	190	0.53	0.74	0.88	0.99	0.98	1.08	1.25	1.50
25	2	48	0.59	0.77	0.90	1.00	0.99	1.09	1.23	1.42
25	4	96	0.48	0.74	0.89	0.98	0.99	1.08	1.21	1.51
25	6	144	0.55	0.76	0.90	1.00	1.00	1.08	1.24	1.47
25	8	192	0.56	0.75	0.89	0.99	0.99	1.09	1.23	1.42
25	10	240	0.52	0.76	0.89	0.99	0.98	1.08	1.23	1.54

TABLE F2

*ASD** for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 0$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.13	0.22	0.30	0.35	0.35	0.40	0.49	0.67
10	4	36	0.08	0.16	0.21	0.25	0.25	0.29	0.36	0.47
10	6	54	0.08	0.13	0.18	0.21	0.21	0.24	0.30	0.38
10	8	72	0.05	0.12	0.15	0.18	0.18	0.21	0.25	0.32
10	10	90	0.06	0.10	0.13	0.16	0.16	0.19	0.23	0.28
15	2	28	0.15	0.22	0.27	0.30	0.30	0.34	0.39	0.51
15	4	56	0.08	0.15	0.18	0.21	0.21	0.24	0.28	0.39
15	6	84	0.09	0.12	0.15	0.17	0.17	0.20	0.23	0.31
15	8	112	0.07	0.11	0.13	0.15	0.15	0.17	0.20	0.24
15	10	140	0.07	0.10	0.12	0.14	0.14	0.15	0.18	0.24
20	2	38	0.13	0.20	0.23	0.26	0.26	0.29	0.33	0.39
20	4	76	0.09	0.14	0.17	0.19	0.18	0.21	0.24	0.28
20	6	114	0.09	0.11	0.13	0.15	0.15	0.17	0.19	0.23
20	8	152	0.08	0.10	0.12	0.13	0.13	0.15	0.17	0.21
20	10	190	0.06	0.09	0.11	0.12	0.12	0.13	0.15	0.18
25	2	48	0.14	0.19	0.22	0.24	0.24	0.26	0.29	0.34
25	4	96	0.08	0.13	0.15	0.17	0.17	0.18	0.21	0.26
25	6	144	0.08	0.11	0.12	0.14	0.14	0.15	0.17	0.20
25	8	192	0.07	0.09	0.11	0.12	0.12	0.13	0.15	0.17
25	10	240	0.06	0.08	0.10	0.11	0.11	0.12	0.13	0.16

TABLE F3*RSD* for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 1.25$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.63	0.92	1.17	1.32	1.33	1.49	1.70	2.09
10	4	36	0.83	1.18	1.45	1.63	1.63	1.83	2.06	2.45
10	6	54	0.93	1.42	1.68	1.88	1.88	2.08	2.33	2.92
10	8	72	1.23	1.61	1.93	2.11	2.12	2.30	2.59	3.06
10	10	90	1.38	1.84	2.11	2.32	2.32	2.51	2.79	3.16
15	2	28	0.73	1.08	1.31	1.44	1.45	1.59	1.78	2.07
15	4	56	0.98	1.45	1.67	1.82	1.82	1.98	2.18	2.46
15	6	84	1.39	1.74	1.98	2.13	2.14	2.28	2.51	2.77
15	8	112	1.62	2.00	2.25	2.40	2.41	2.56	2.79	3.18
15	10	140	1.88	2.28	2.49	2.65	2.64	2.80	3.02	3.31
20	2	38	1.02	1.26	1.45	1.57	1.57	1.70	1.87	2.08
20	4	76	1.28	1.67	1.85	1.99	2.00	2.13	2.30	2.56
20	6	114	1.69	2.01	2.21	2.35	2.34	2.49	2.67	3.01
20	8	152	2.01	2.32	2.53	2.66	2.67	2.80	2.99	3.31
20	10	190	2.31	2.60	2.81	2.94	2.94	3.08	3.28	3.61
25	2	48	1.16	1.39	1.55	1.67	1.68	1.78	1.92	2.25
25	4	96	1.58	1.87	2.04	2.16	2.17	2.29	2.47	2.79
25	6	144	1.96	2.28	2.44	2.56	2.56	2.68	2.85	3.12
25	8	192	2.14	2.64	2.81	2.92	2.92	3.03	3.21	3.45
25	10	240	2.53	2.90	3.09	3.21	3.21	3.34	3.53	3.74

TABLE F4*ASD** for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 1.25$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.23	0.34	0.43	0.49	0.49	0.55	0.63	0.77
10	4	36	0.22	0.31	0.38	0.43	0.42	0.48	0.54	0.64
10	6	54	0.20	0.30	0.36	0.40	0.40	0.44	0.50	0.62
10	8	72	0.23	0.30	0.36	0.39	0.39	0.42	0.48	0.56
10	10	90	0.23	0.30	0.35	0.38	0.38	0.42	0.46	0.52
15	2	28	0.22	0.33	0.40	0.44	0.44	0.49	0.55	0.63
15	4	56	0.21	0.31	0.36	0.39	0.39	0.43	0.47	0.53
15	6	84	0.25	0.31	0.35	0.38	0.38	0.40	0.44	0.49
15	8	112	0.25	0.31	0.34	0.37	0.37	0.39	0.43	0.49
15	10	140	0.26	0.31	0.34	0.36	0.36	0.38	0.41	0.45
20	2	38	0.27	0.34	0.39	0.42	0.42	0.45	0.50	0.56
20	4	76	0.24	0.32	0.35	0.38	0.38	0.40	0.43	0.48
20	6	114	0.26	0.31	0.34	0.36	0.36	0.38	0.41	0.47
20	8	152	0.27	0.31	0.34	0.36	0.36	0.37	0.40	0.44
20	10	190	0.28	0.31	0.34	0.35	0.35	0.37	0.39	0.43
25	2	48	0.28	0.33	0.37	0.40	0.40	0.43	0.46	0.54
25	4	96	0.27	0.32	0.35	0.37	0.37	0.39	0.42	0.47
25	6	144	0.27	0.32	0.34	0.36	0.35	0.37	0.40	0.43
25	8	192	0.26	0.32	0.34	0.35	0.35	0.36	0.39	0.41
25	10	240	0.27	0.31	0.33	0.35	0.34	0.36	0.38	0.40

TABLE F5*RSD* for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 2.5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.12	1.49	1.71	1.85	1.85	1.99	2.17	2.39
10	4	36	1.63	2.07	2.32	2.46	2.47	2.62	2.81	3.15
10	6	54	2.23	2.57	2.83	2.97	2.98	3.12	3.33	3.58
10	8	72	2.65	3.03	3.25	3.41	3.41	3.57	3.76	4.07
10	10	90	3.08	3.38	3.63	3.76	3.76	3.91	4.11	4.47
15	2	28	1.59	1.83	2.00	2.12	2.12	2.24	2.40	2.59
15	4	56	2.21	2.54	2.74	2.86	2.87	2.99	3.14	3.40
15	6	84	2.62	3.17	3.34	3.46	3.45	3.59	3.77	4.13
15	8	112	3.42	3.64	3.83	3.96	3.96	4.08	4.26	4.53
15	10	140	3.86	4.10	4.29	4.42	4.42	4.55	4.72	4.99
20	2	38	1.78	2.06	2.24	2.35	2.36	2.47	2.60	2.84
20	4	76	2.63	2.96	3.12	3.23	3.23	3.33	3.48	3.72
20	6	114	3.34	3.63	3.80	3.90	3.90	4.01	4.15	4.41
20	8	152	3.87	4.18	4.34	4.45	4.45	4.57	4.73	4.99
20	10	190	4.54	4.71	4.86	4.97	4.97	5.08	5.24	5.54
25	2	48	2.08	2.35	2.47	2.56	2.56	2.66	2.79	3.07
25	4	96	3.12	3.28	3.44	3.53	3.53	3.62	3.76	3.99
25	6	144	3.82	4.03	4.17	4.27	4.28	4.36	4.50	4.67
25	8	192	4.40	4.65	4.82	4.92	4.92	5.02	5.17	5.37
25	10	240	5.00	5.22	5.38	5.48	5.48	5.59	5.71	5.91

TABLE F6*ASD** for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 2.5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.41	0.55	0.63	0.68	0.68	0.73	0.80	0.88
10	4	36	0.42	0.54	0.61	0.64	0.65	0.68	0.73	0.82
10	6	54	0.47	0.55	0.60	0.63	0.64	0.67	0.71	0.76
10	8	72	0.49	0.56	0.60	0.63	0.63	0.66	0.69	0.75
10	10	90	0.51	0.56	0.60	0.62	0.62	0.65	0.68	0.74
15	2	28	0.49	0.56	0.61	0.65	0.65	0.69	0.74	0.79
15	4	56	0.48	0.55	0.59	0.62	0.62	0.65	0.68	0.74
15	6	84	0.46	0.56	0.59	0.61	0.61	0.63	0.67	0.73
15	8	112	0.52	0.56	0.59	0.61	0.61	0.63	0.65	0.69
15	10	140	0.53	0.56	0.59	0.61	0.61	0.62	0.65	0.68
20	2	38	0.48	0.55	0.60	0.63	0.63	0.66	0.69	0.76
20	4	76	0.50	0.56	0.59	0.61	0.61	0.63	0.66	0.70
20	6	114	0.51	0.56	0.59	0.60	0.60	0.62	0.64	0.68
20	8	152	0.52	0.56	0.58	0.60	0.60	0.61	0.63	0.67
20	10	190	0.54	0.56	0.58	0.59	0.59	0.61	0.63	0.66
25	2	48	0.50	0.56	0.59	0.62	0.61	0.64	0.67	0.74
25	4	96	0.53	0.56	0.58	0.60	0.60	0.62	0.64	0.68
25	6	144	0.53	0.56	0.58	0.59	0.59	0.60	0.62	0.65
25	8	192	0.53	0.56	0.58	0.59	0.59	0.60	0.62	0.64
25	10	240	0.54	0.56	0.58	0.59	0.59	0.60	0.61	0.63

TABLE F7*RSD* for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 3.75$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.56	1.91	2.09	2.19	2.20	2.30	2.43	2.59
10	4	36	2.47	2.74	2.91	3.01	3.02	3.12	3.26	3.44
10	6	54	3.10	3.37	3.55	3.65	3.66	3.76	3.90	4.01
10	8	72	3.66	3.91	4.08	4.19	4.20	4.31	4.46	4.67
10	10	90	4.08	4.41	4.57	4.68	4.68	4.79	4.94	5.18
15	2	28	2.02	2.34	2.48	2.56	2.57	2.65	2.76	2.92
15	4	56	3.08	3.32	3.45	3.55	3.56	3.64	3.76	3.99
15	6	84	3.85	4.06	4.21	4.30	4.30	4.39	4.51	4.73
15	8	112	4.47	4.72	4.86	4.95	4.96	5.05	5.18	5.36
15	10	140	5.14	5.30	5.43	5.53	5.53	5.62	5.75	6.00
20	2	38	2.45	2.69	2.80	2.88	2.88	2.96	3.06	3.23
20	4	76	3.52	3.81	3.93	4.00	4.01	4.08	4.18	4.42
20	6	114	4.50	4.68	4.80	4.88	4.88	4.96	5.08	5.21
20	8	152	5.23	5.41	5.52	5.61	5.62	5.70	5.80	5.96
20	10	190	5.83	6.06	6.18	6.26	6.26	6.33	6.45	6.56
25	2	48	2.85	3.00	3.10	3.17	3.17	3.23	3.34	3.52
25	4	96	4.10	4.24	4.35	4.41	4.41	4.48	4.58	4.84
25	6	144	5.00	5.20	5.31	5.38	5.38	5.45	5.56	5.73
25	8	192	5.84	6.01	6.13	6.20	6.20	6.28	6.37	6.47
25	10	240	6.61	6.75	6.85	6.92	6.92	6.99	7.09	7.26

TABLE F8*ASD** for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 3.75$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.58	0.71	0.77	0.81	0.81	0.85	0.90	0.96
10	4	36	0.65	0.72	0.76	0.79	0.79	0.81	0.85	0.90
10	6	54	0.66	0.72	0.76	0.78	0.78	0.80	0.83	0.85
10	8	72	0.68	0.72	0.75	0.77	0.78	0.80	0.82	0.86
10	10	90	0.67	0.73	0.75	0.77	0.77	0.79	0.82	0.86
15	2	28	0.62	0.72	0.76	0.78	0.79	0.81	0.85	0.89
15	4	56	0.67	0.72	0.75	0.77	0.77	0.79	0.81	0.86
15	6	84	0.68	0.72	0.74	0.76	0.76	0.78	0.80	0.84
15	8	112	0.68	0.72	0.74	0.76	0.76	0.77	0.79	0.82
15	10	140	0.70	0.73	0.74	0.76	0.76	0.77	0.79	0.82
20	2	38	0.65	0.72	0.75	0.77	0.77	0.79	0.82	0.86
20	4	76	0.66	0.72	0.74	0.76	0.76	0.77	0.79	0.83
20	6	114	0.69	0.72	0.74	0.75	0.75	0.76	0.78	0.80
20	8	152	0.70	0.72	0.74	0.75	0.75	0.76	0.77	0.80
20	10	190	0.70	0.72	0.74	0.75	0.75	0.76	0.77	0.78
25	2	48	0.69	0.72	0.75	0.76	0.76	0.78	0.80	0.85
25	4	96	0.70	0.72	0.74	0.75	0.75	0.76	0.78	0.82
25	6	144	0.69	0.72	0.74	0.75	0.75	0.76	0.77	0.80
25	8	192	0.70	0.72	0.74	0.74	0.74	0.75	0.77	0.78
25	10	240	0.71	0.73	0.74	0.74	0.74	0.75	0.76	0.78

TABLE F9*RSD* for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	1.99	2.19	2.31	2.38	2.39	2.47	2.56	2.65
10	4	36	2.82	3.10	3.23	3.31	3.32	3.39	3.50	3.61
10	6	54	3.59	3.83	3.95	4.03	4.04	4.11	4.21	4.40
10	8	72	4.15	4.45	4.58	4.65	4.65	4.73	4.84	4.96
10	10	90	4.74	4.97	5.10	5.18	5.18	5.27	5.36	5.53
15	2	28	2.47	2.66	2.75	2.82	2.82	2.89	2.96	3.08
15	4	56	3.61	3.76	3.86	3.93	3.93	3.99	4.08	4.21
15	6	84	4.46	4.61	4.72	4.78	4.78	4.85	4.94	5.09
15	8	112	5.19	5.32	5.44	5.51	5.51	5.59	5.69	5.83
15	10	140	5.83	5.99	6.09	6.15	6.16	6.22	6.31	6.47
20	2	38	2.92	3.05	3.14	3.19	3.19	3.25	3.32	3.45
20	4	76	4.09	4.31	4.40	4.46	4.46	4.52	4.60	4.70
20	6	114	5.14	5.30	5.38	5.44	5.44	5.50	5.57	5.69
20	8	152	5.94	6.11	6.20	6.26	6.26	6.32	6.40	6.51
20	10	190	6.69	6.84	6.93	6.99	6.99	7.05	7.14	7.27
25	2	48	3.25	3.39	3.47	3.52	3.52	3.57	3.64	3.77
25	4	96	4.65	4.80	4.88	4.93	4.93	4.99	5.06	5.18
25	6	144	5.72	5.88	5.97	6.02	6.02	6.07	6.14	6.26
25	8	192	6.72	6.81	6.88	6.94	6.94	6.99	7.05	7.16
25	10	240	7.47	7.61	7.69	7.75	7.75	7.80	7.89	8.02

TABLE F10*ASD** for the Linear Model, with No Draws, No Home Advantage, (2, 1, 0), $R = 5$

<i>N</i>	<i>K</i>	<i>G</i>	<i>min</i>	<i>p5</i>	<i>p25</i>	<i>mean</i>	<i>p50</i>	<i>p75</i>	<i>p95</i>	<i>max</i>
10	2	18	0.73	0.81	0.85	0.88	0.88	0.91	0.95	0.98
10	4	36	0.74	0.81	0.84	0.86	0.87	0.88	0.91	0.94
10	6	54	0.76	0.82	0.84	0.86	0.86	0.88	0.90	0.94
10	8	72	0.77	0.82	0.85	0.86	0.86	0.87	0.89	0.92
10	10	90	0.78	0.82	0.84	0.86	0.86	0.87	0.89	0.91
15	2	28	0.76	0.81	0.84	0.86	0.86	0.88	0.91	0.94
15	4	56	0.78	0.81	0.84	0.85	0.85	0.86	0.88	0.91
15	6	84	0.79	0.81	0.83	0.85	0.85	0.86	0.87	0.90
15	8	112	0.79	0.81	0.83	0.84	0.84	0.86	0.87	0.89
15	10	140	0.80	0.82	0.83	0.84	0.84	0.85	0.86	0.89
20	2	38	0.78	0.82	0.84	0.85	0.85	0.87	0.89	0.92
20	4	76	0.77	0.81	0.83	0.84	0.84	0.85	0.87	0.89
20	6	114	0.79	0.82	0.83	0.84	0.84	0.85	0.86	0.88
20	8	152	0.79	0.82	0.83	0.84	0.84	0.84	0.86	0.87
20	10	190	0.80	0.82	0.83	0.84	0.84	0.84	0.85	0.87
25	2	48	0.78	0.81	0.83	0.85	0.85	0.86	0.87	0.91
25	4	96	0.79	0.82	0.83	0.84	0.84	0.85	0.86	0.88
25	6	144	0.79	0.82	0.83	0.83	0.83	0.84	0.85	0.87
25	8	192	0.81	0.82	0.83	0.83	0.83	0.84	0.85	0.86
25	10	240	0.80	0.82	0.83	0.83	0.83	0.84	0.85	0.86