

Saturday Afternoon Competition 2010 - 1

Analysis of results with handicaps

The results of each team in each division were analysed for all matches where every set was played to completion. The team handicap was added to the games won for each team in a match and the difference between the two values obtained was taken as the result; positive for the team that had a bigger value (won) and negative for the other team. If the handicaps were a valid indication of the players' ability, the difference should be close to zero. From the results for each team, the difference between the two values for all matches played was analysed for the average value, the median value and the standard deviation of the values. The average value is the sum of the differences divided by the number of items. The median value is the centre value where there are an equal number of values greater than and less than the median value. The Standard Deviation is a measure of how close to the average value the items are located. Ideally the standard deviation should be small.

The columns are: Team is the team number in the particular competition; Average, Median and Standard Deviation are the statistics of the handicap results for each team; Home, Away and Total are the matches used in the analysis for each team; Adjustment is the adjustment to the handicap of the team for the second and third tables; Results are the points earned by the team at the end of the competition; Maximum and Minimum are the extremes of handicap that the teams played under.

Saturday division 1										
Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	-2.000	-5	7.52	6	5	11	0	85.25	65	36
2	0.300	-1.5	8.31	4	6	10	0	60	66	54
3	-1.400	-1	9.90	5	5	10	0	74.75	74	50
4	-0.182	0	6.97	6	5	11	0	101.5	51	26
5	2.545	0	7.71	6	5	11	0	69.5	76	62
6	-4.333	-4.5	6.68	6	6	12	0	67	63	45
7	5.900	6.5	8.79	5	5	10	0	99	67	50
8	0.000	1	8.77	5	6	11	0	59	71	59
Totals			47.10	43	43	86				
Adjusted for averages closest to zero										
Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	0.091	-2	6.58	6	5	11	1	85.25	65	36
2	0.100	-1.5	6.98	4	6	10	-1	60	66	54
3	0.300	-1.5	9.17	5	5	10	1	74.75	74	50
4	0.091	2	6.91	6	5	11	0	101.5	51	26
5	-0.273	-2	8.11	6	5	11	-2	69.5	76	62
6	-0.250	0.5	6.92	6	6	12	3	67	63	45
7	0.100	0.5	8.69	5	5	10	-5	99	67	50
8	0.273	3	8.33	5	6	11	0	59	71	59
Totals			44.66	43	43	86				
Adjusted to minimize sum of standard deviations										
Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	0.909	-2	6.59	6	5	11	2	85.25	65	36
2	0.300	-0.5	6.29	4	6	10	-1	60	66	54
3	1.100	0	9.31	5	5	10	2	74.75	74	50
4	-1.364	0	7.07	6	5	11	-1	101.5	51	26
5	0.364	0	8.02	6	5	11	-1	69.5	76	62
6	-0.417	0.5	7.06	6	6	12	3	67	63	45
7	-1.300	-0.5	8.77	5	5	10	-6	99	67	50
8	1.000	3	8.60	5	6	11	1	59	71	59
Totals			44.35	43	43	86				

Saturday division 2

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	1.778	0	12.27	5	4	9	0	57	97	81
2	3.889	4	15.49	4	5	9	0	66.25	105	67
3	0.222	2	10.86	5	4	9	0	65	88	76
4	2.875	3.5	8.85	4	4	8	0	74.75	83	67
6	-6.909	-4	12.05	5	6	11	0	67	88	65
Totals			59.52	23	23	46				

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	0.444	-2.000	11.36	5	4	9	1	57	97	81
2	0.111	-3.000	13.78	4	5	9	-1	66.25	105	67
3	0.111	-1.000	9.52	5	4	9	2	65	88	76
4	-0.375	2.000	11.26	4	4	8	-1	74.75	83	67
6	-0.273	1.000	12.21	5	6	11	7	67	88	65
Totals			58.13	23	23	46				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	1.778	-2	10.95	5	4	9	2	57	97	81
2	1.444	-1	14.09	4	5	9	0	66.25	105	67
3	0.222	0	9.87	5	4	9	2	65	88	76
4	-1.625	0.5	10.46	4	4	8	-2	74.75	83	67
6	-1.636	0	12.68	5	6	11	6	67	88	65
Totals			58.06	23	23	46				

Saturday division 3

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	2.100	0	7.96	6	4	10	0	87	101	81
2	2.000	4	8.93	6	6	12	0	97	91	74
3	-5.500	-8	10.07	6	4	10	0	74	99	85
4	0.200	1	7.51	3	7	10	0	86	105	82
5	1.364	0	7.88	6	5	11	0	67.5	121	92
6	-0.636	-2	9.33	5	6	11	0	80.5	103	82
Totals			51.69	32	32	64				

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	0.200	-2	9.08	6	4	10	-1	87	101	81
2	0.417	2.5	7.98	6	6	12	-1	97	91	74
3	-0.100	-2.5	10.15	6	4	10	5	74	99	85
4	-0.400	1	6.04	3	7	10	0	86	105	82
5	-0.273	-1	7.55	6	5	11	-1	67.5	121	92
6	0.091	-1	8.98	5	6	11	1	80.5	103	82
Totals			49.78	32	32	64				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	0.000	-2.5	9.49	6	4	10	-1	87	101	81
2	-1.000	1	7.98	6	6	12	-2	97	91	74
3	0.900	-1	10.06	6	4	10	6	74	99	85
4	-0.500	0.5	5.38	3	7	10	0	86	105	82
5	0.818	0	7.67	6	5	11	0	67.5	121	92
6	-0.091	0	9.07	5	6	11	1	80.5	103	82
Totals			49.64	32	32	64				

Saturday division 4

Team	Average	Median	St dev	Home	Away	total	adjustment	Result	Max	Min
1	-5.500	-3	10.46	5	5	10	0	96.5	112	93
2	-3.091	-2	9.10	6	5	11	0	48	136	126
3	3.727	2	8.55	6	5	11	0	102.5	117	111
4	8.000	8	11.82	5	7	12	0	88	134	125
5	-3.636	-3	4.37	6	5	11	0	70.5	133	117
6	-0.727	3	12.14	5	6	11	0	89.5	117	102
Totals			56.44	33	33	66				

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Result	Max	Min
1	-0.400	0.5	9.95	5	5	10	3	96.5	112	93
2	0.182	-1	9.16	6	5	11	1	48	136	126
3	-0.182	0	8.70	6	5	11	-5	102.5	117	111
4	0.167	1	11.08	5	7	12	-8	88	134	125
5	-0.091	0	3.14	6	5	11	2	70.5	133	117
6	0.273	2	8.64	5	6	11	0	89.5	117	102
Totals			50.67	33	33	66				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Result	Max	Min
1	-0.600	0.5	9.95	5	5	10	3	96.5	112	93
2	-0.091	-1	9.13	6	5	11	1	48	136	126
3	-0.455	0	8.58	6	5	11	-5	102.5	117	111
4	1.167	2	11.08	5	7	12	-7	88	134	125
5	-0.273	0	3.04	6	5	11	2	70.5	133	117
6	0.091	2	8.90	5	6	11	0	89.5	117	102
Totals			50.67	33	33	66				

Geoff Trott 26/07/10