

Saturday Afternoon Competition 2009 - 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 Seniors

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	3.077	6	7.02	6	7	13	0	48.5	152	139
2	2.321	2.5	10.50	7	7	14	0	96	139	97
3	-4.115	-4	8.30	7	6	13	0	111.5	104	82
4	-1.357	-3	12.48	7	7	14	0	134	103	82
Totals			38.29	27	27	54				

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	-0.385	1	6.02	6	7	13	-1	48.5	152	139
2	0.036	1.5	11.14	7	7	14	0	96	139	97
3	-0.038	-1	9.18	7	6	13	5	111.5	104	82
4	0.214	-2	10.86	7	7	14	3	134	103	82
Totals			37.20	27	27	54				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	-0.692	0	5.99	6	7	13	-1	48.5	152	139
2	-0.321	1	11.40	7	7	14	0	96	139	97
3	0.962	0	9.18	7	6	13	6	111.5	104	82
4	-0.143	-2.5	10.62	7	7	14	3	134	103	82
Totals			37.19	27	27	54				

Saturday division 1

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	5.250	6	9.10	6	6	12	0	41	88	72
2	2.700	2.5	10.60	5	5	10	0	75	69	39
3	-3.300	-2.5	5.17	5	5	10	0	46.5	78	66
4	-8.818	-12	8.60	6	5	11	0	55	63	38
5	3.636	5	9.86	5	6	11	0	61.5	86	59
6	4.500	4.5	6.84	5	5	10	0	85.5	62	59
7	-4.500	-4	10.53	5	5	10	0	97.5	39	26
Totals			50.16	37	37	74				

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	0.250	-2	7.70	6	6	12	-2	41	88	72
2	-0.200	-2	9.07	5	5	10	0	75	69	39
3	0.100	1	6.31	5	5	10	5	46.5	78	66
4	-0.091	0	7.62	6	5	11	10	55	63	38
5	0.091	0	7.79	5	6	11	-1	61.5	86	59
6	-0.100	1	6.37	5	5	10	-2	85.5	62	59
7	-0.100	-0.5	7.84	5	5	10	6	97.5	39	26
Totals			44.86	37	37	74				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	3.417	1	7.65	6	6	12	1	41	88	72
2	-0.600	-2	9.16	5	5	10	0	75	69	39
3	-0.300	1	5.68	5	5	10	5	46.5	78	66
4	-1.636	-1	7.51	6	5	11	9	55	63	38
5	-0.273	0	8.51	5	6	11	-1	61.5	86	59
6	-0.600	1.5	5.80	5	5	10	-2	85.5	62	59
7	-0.500	-0.5	8.82	5	5	10	6	97.5	39	26
Totals			44.30	37	37	74				

Saturday division 2

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	-3.125	-2.5	7.32	6	6	12	0	89	94	69
2	0.000	1	6.65	5	6	11	0	62	121	101
3	-2.083	-1.5	9.36	6	6	12	0	97.5	89	72
4	2.333	1	6.34	6	6	12	0	87.5	97	78
5	1.955	-1	12.07	5	6	11	0	71.5	106	86
6	0.250	-1.5	8.78	6	6	12	0	66.5	102	85
7	0.750	1	5.64	7	5	12	0	100.5	94	69
8	0.100	2.5	8.27	5	5	10	0	41.5	115	90

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	-0.125	0.500	7.58	6	6	12	3	89	94	69
2	0.091	0.000	6.27	5	6	11	0	62	121	101
3	-0.083	0.500	8.92	6	6	12	2	97.5	89	72
4	-0.083	-1.000	6.44	6	6	12	-2	87.5	97	78
5	0.409	0.000	11.91	5	6	11	-1	71.5	106	86
6	-0.167	-3.000	9.36	6	6	12	0	66.5	102	85
7	0.167	-0.500	4.80	7	5	12	0	100.5	94	69
8	-0.200	1.000	7.44	5	5	10	0	41.5	115	90
Totals			50.48	46	46	92				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Results	Max	Min
1	-2.125	-2.5	7.74	6	6	12	1	89	94	69
2	2.455	3	5.96	5	6	11	2	62	121	101
3	-0.833	-1.5	8.97	6	6	12	1	97.5	89	72
4	-0.083	-0.5	6.20	6	6	12	-2	87.5	97	78
5	-0.500	-1	11.85	5	6	11	-2	71.5	106	86
6	0.000	-2	9.23	6	6	12	0	66.5	102	85
7	0.250	0.5	5.63	7	5	12	0	100.5	94	69
8	1.200	3	8.15	5	5	10	1	41.5	115	90
Totals			49.95	46	46	92				

Saturday division 3

Team	Average	Median	St dev	Home	Away	total	adjustment	Result	Max	Min
1	4.462	7	11.52	8	5	13	0	81	125	96
2	-5.083	-4	7.56	6	6	12	0	53.5	127	111
3	5.154	6	10.46	6	7	13	0	72.5	114	103
4	0.750	-1.5	9.87	6	6	12	0	17.5	138	132
5	3.818	4	9.43	5	6	11	0	82.5	105	93
6	-8.846	-10	9.49	6	7	13	0	89	118	106
Totals			58.34	37	37	74				

Adjusted for averages closest to zero

Team	Average	Median	St dev	Home	Away	total	adjustment	Result	Max	Min
1	-0.308	0	9.88	8	5	13	-2	81	119	99
2	0.417	0.5	7.97	6	6	12	6	53.5	130	111
3	-0.385	0	9.41	6	7	13	-3	72.5	117	108
4	-0.500	0	9.84	6	6	12	0	17.5	140	140
5	0.455	-2	8.04	5	6	11	0	82.5	109	85
6	0.385	1	8.06	6	7	13	9	89	106	87
Totals			53.20	37	37	74				

Adjusted to minimize sum of standard deviations

Team	Average	Median	St dev	Home	Away	total	adjustment	Result	Max	Min
1	0.692	1	10.04	8	5	13	-1	81	119	99
2	0.167	0.5	7.70	6	6	12	6	53.5	130	111
3	-0.615	-1	9.57	6	7	13	-3	72.5	117	108
4	0.417	1	9.78	6	6	12	1	17.5	140	140
5	0.455	-1	7.83	5	6	11	0	82.5	109	85
6	-1.000	-1	8.19	6	7	13	8	89	106	87
Totals			53.11	37	37	74				

Geoff Trott 14/01/10