

Study on the Major League Baseball players

Astrology

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26-04-2017

Data

Players

A file *Players* containing 15,026 data has been created. The names of the players are on a list published on the [Baseball Reference](#) website.

Natural Births

The *Nbs* control file (see Introduction Sports_En_Analysis.pdf) covers the period 1850-1985 for sections 1 and 2, and covers the period 1850-1949 for section 3. Its results are compared with those of the *Players* file.

Control Group

For the period 1950-1985, a *GRP* control file was created to compare its results (Section 3) with those of the *Players* file.

The [RAE](#) phenomenon appeared following the introduction of the player's entry draft. The birth months have therefore been distributed on the base of the birth curve of the [MLB](#) players.

Period	Data	J	F	M	A	M	J	J	A	S	O	N	D
1950-1985	441,520	8.78%	7.06%	8.17%	7.74%	7.64%	6.77%	7.16%	10.97%	9.37%	9.92%	8.37%	8.05%

1. Natural Births 1850-1985

1.1 Distribution of $\sigma \text{ ☽}$ with an orb of $\pm 6.0^\circ$

Years	Players	Nbs	p	☿	♀	☾	♂	♃	♅	♁	♄	♆
0+	4,537	199,386	0.9329	+00.54%	-00.02%	+00.38%	-00.17%	-00.30%	+00.04%	-00.14%	+00.08%	-00.40%
2+	2,895	199,386	0.9972	+00.08%	+00.04%	+00.34%	-00.28%	+00.35%	-00.13%	-00.22%	+00.05%	-00.21%
4+	1,942	199,386	0.9207	-00.41%	-00.32%	-00.11%	+00.49%	+00.93%	+00.31%	-00.12%	-00.52%	-00.24%
6+	1,506	199,386	0.8576	-00.41%	-00.39%	-00.20%	+00.05%	+01.43%	+00.33%	+00.02%	-00.62%	-00.20%

Global χ^2 – No significant percentage

1.2 Distribution of $\sigma \text{ ♃}$ with an orb of $\pm 2.0^\circ$

Years	Players	Nbs	p	♀	☾	♂	♃	♅	♁	♄	♆
0+	2,669	113,635	0.1564	-01.21%	+00.21%	-01.22%	+00.23%	+00.70%	+00.18%	+00.78%	+00.34%
2+	1,658	113,635	0.5162	-00.97%	-00.63%	-00.45%	+00.18%	+01.17%	+00.03%	+00.83%	-00.15%
4+	1,145	113,635	0.1516	-01.71%	-00.73%	-00.36%	+00.45%	+01.69%	-00.85%	+01.24%	+00.28%
6+	847	113,635	0.0714	-02.55%	-00.09%	-00.56%	+01.13%	+01.94%	-00.89%	+01.55%	-00.51%

Global χ^2 – No significant percentage

1.3 Distribution of $\sigma \text{ ♀} \text{ ♂}$ with an orb of $\pm 2.0^\circ$

Years	Players	Nbs	p	☿	☾	♂	♃	♅	♁	♄	♆
0+	2,105	94,422	0.0849	-00.26%	+00.58%	+01.18%	-01.40%	+00.54%	-01.01%	-00.37%	+00.74%
2+	1,325	94,422	0.0281	-00.27%	+00.19%	+02.44%	-01.73%	+00.37%	-01.39%	-00.50%	+00.88%
4+	907	94,422	0.0323	-01.00%	-00.48%	+03.00%	-01.72%	+00.02%	-01.38%	-00.14%	+01.71%
6+	676	94,422	0.0282	-02.22%	-01.79%	+04.13%	-01.13%	+00.85%	-00.93%	-00.43%	+01.52%

Global χ^2 - Percentage of $\sigma \text{ ♀} \text{ ♂}$ on the rise over years

1.4 Distribution of $\sigma \text{ ☾}$ with an orb of $\pm 2.0^\circ$

Years	Players	Nbs	p	☿	♀	♂	♃	♅	♁	♄	♆
0+	2,516	111,571	0.4645	+01.65%	+00.28%	+00.13%	-00.12%	-00.57%	-00.09%	-00.40%	-00.88%
2+	1,560	111,571	0.8203	+00.83%	+00.23%	+00.57%	+00.08%	-00.07%	-00.60%	-00.09%	-00.95%
4+	1,082	111,571	0.947	+00.58%	-00.57%	+00.95%	+00.17%	-00.41%	-00.55%	+00.22%	-00.39%
6+	803	111,571	0.7926	+01.13%	-01.60%	+00.42%	+00.47%	-00.77%	-00.35%	+01.01%	-00.32%

Global χ^2 – No significant percentage

2. Natural Births 1850-1985 (Players 6 years and over)

2.1 Players file shuffled 400 times and shifted within ± 120 days

Orb	Shift	Players	Shuffle	p	♀	☉	♂	♃	♅	♁	♄	♆	♇
♀ ♂ -2 ^o +2 ^o	-120	676	85,791	0.0068	-01.81%	-02.29%	+03.55%	-01.11%	+00.90%	-00.36%	-00.46%	+01.57%	
♀ ♂ -2 ^o +2 ^o	-090	676	85,838	0.0114	-01.60%	-01.92%	+03.34%	-01.14%	+00.73%	-00.41%	-00.43%	+01.43%	
♀ ♂ -2 ^o +2 ^o	0	676	85,145	0.022	-01.78%	-01.53%	+03.05%	-01.21%	+00.53%	-00.54%	-00.33%	+01.81%	
♀ ♂ -2 ^o +2 ^o	+090	676	85,566	0.0133	-02.45%	-02.20%	+03.28%	-01.18%	+00.87%	-00.36%	-00.28%	+02.33%	
♀ ♂ -2 ^o +2 ^o	+120	676	85,495	0.0203	-02.84%	-01.99%	+03.09%	-00.83%	+00.80%	-00.56%	-00.03%	+02.37%	

χ² ♂ - Maintained percentage for ♂ ♀ ♂

2.2 ♂ ♀ in decreasing orb

Orb	Players	Nbs	p	♀	☉	♂	♃	♅	♁	♄	♆	♇
♀ ♂ -6 ^o +6 ^o	2,085	282,343	0.1319	+00.15%	-01.10%	+01.09%	+00.15%	+00.32%	-00.33%	-00.59%	+00.30%	
♀ ♂ -4 ^o +4 ^o	1,358	187,755	0.0025	-01.83%	-00.77%	+02.76%	-00.35%	+00.59%	-00.44%	-00.88%	+00.91%	
♀ ♂ -3 ^o +3 ^o	1,022	141,471	0.0012	-01.33%	-01.34%	+03.39%	-00.66%	-00.23%	-00.68%	-00.29%	+01.14%	
♀ ♂ -2 ^o +2 ^o	676	94,422	0.0014	-02.22%	-01.79%	+04.13%	-01.13%	+00.85%	-00.93%	-00.43%	+01.52%	

χ² ♂ - Percentage of ♂ ♀ ♂ in inverse progression of the chosen orb

2.3 Distribution of aspects ♀ ♂ with an orb of ±2.0^o

Players	Nbs	p	♂	♁	♂	♃	*	♁	♁	♁	♁	♁	♁	♁	
1,368	178,075	0.021	+01.58%	+01.09%	-01.57%	+00.28%	-01.69%	+00.34%	-00.71%	+00.57%	+00.15%	+00.10%	+00.11%	+00.06%	-00.30%

χ² ♂ - Higher percentage for ♂ ♀ ♂

3. Per period (Players 6 years and over)

3.1 Distribution of ♂ ♀ with an orb of ±2.0^o

Period	Players	Nbs-Grp*	p	♀	☉	♂	♃	♅	♁	♄	♆	♇
1850-1879	74	19,734	0.3181	-09.60%	-02.40%	+03.66%	-00.53%	+04.78%	-00.09%	+01.48%	+02.69%	
1880-1899	91	14,453	0.1096	-03.83%	-02.58%	+05.09%	+02.34%	+02.58%	-01.70%	-03.40%	+01.49%	
1900-1919	70	13,163	0.5042	+05.33%	+02.61%	-02.51%	-03.09%	-01.92%	+03.23%	-02.12%	-01.53%	
1920-1934	58	10,695	0.7829	-00.72%	-02.21%	+01.13%	+00.16%	+00.91%	-01.05%	+01.68%	+00.10%	
1935-1949	76	9,772	0.8816	-03.31%	-03.84%	-00.53%	-01.89%	+03.18%	+03.67%	-02.16%	+04.87%	
1950-1959*	66	17,223	0.0648	-05.10%	-11.00%	+07.45%	+00.19%	-03.16%	-00.80%	+02.67%	+09.75%	
1960-1969*	100	20,067	0.2638	+02.34%	+00.55%	+03.78%	-03.22%	+02.82%	-02.76%	-01.00%	-02.53%	
1970-1979*	93	19,480	0.5574	+01.70%	-00.64%	+02.49%	-01.83%	-01.01%	-02.04%	+00.01%	+01.32%	
1980-1985*	48	10,406	0.1832	-11.34%	+10.65%	+08.52%	-00.50%	-03.49%	-04.59%	-01.36%	+02.10%	
1850-1985	676	134,993	0.0323	-01.90%	-01.28%	+02.87%	-00.94%	+00.73%	-00.58%	-00.54%	+01.64%	

χ² ♂ - Higher Percentage of ♂ ♀ ♂ for most of analyzed periods

Annex 1

1.1 Distribution of $\sigma \text{ D}$ with an orb of $\pm 6.0^\circ$

Years	Players	♃	♀	♁	♂	♄	♅	♆	♇	♈
0+	4,537	522	502	508	505	491	511	499	511	488
2+	2,895	320	322	323	319	332	321	316	325	317
4+	1,942	205	209	208	229	234	224	214	207	212
6+	1,506	159	161	160	171	189	174	168	159	165

Period	Nbs	♃	♀	♁	♂	♄	♅	♆	♇	♈
1850-1985	199,386	21,879	22,100	21,565	22,525	22,174	22,381	22,219	22,301	22,242

1.2 Distribution of $\sigma \text{ ♃}$ with an orb of $\pm 2.0^\circ$

Years	Players	♀	♁	♂	♄	♅	♆	♇	♈	♉
0+	2,669	496	906	266	225	216	186	200	174	174
2+	1,658	312	549	178	139	142	113	125	100	100
4+	1,145	207	378	124	99	104	68	91	74	74
6+	847	146	285	90	79	79	50	70	48	48

Period	Nbs	♀	♁	♂	♄	♅	♆	♇	♈	♉
1850-1985	113,635	22,490	38,341	12,720	9,322	8,403	7,720	7,621	7,018	7,018

1.3 Distribution of $\sigma \text{ ♃}$ with an orb of $\pm 2.0^\circ$

Years	Players	♃	♁	♂	♄	♅	♆	♇	♈	♉
0+	2,105	496	461	296	153	199	154	160	186	186
2+	1,325	312	285	203	92	123	92	99	119	119
4+	907	207	189	144	63	81	63	71	89	89
6+	676	146	132	115	51	66	50	51	65	65

Period	Nbs	♃	♁	♂	♄	♅	♆	♇	♈	♉
1850-1985	94,422	22,490	20,128	12,166	8,187	8,415	7,866	7,526	7,644	7,644

1.4 Distribution of $\sigma \text{ ♁}$ with an orb of $\pm 2.0^\circ$

Years	Players	♃	♀	♂	♄	♅	♆	♇	♈	♉
0+	2,516	906	461	284	195	168	179	168	155	155
2+	1,560	549	285	183	124	112	103	109	95	95
4+	1,082	378	189	131	87	74	72	79	72	72
6+	803	285	132	93	67	52	55	65	54	54

Period	Nbs	♃	♀	♂	♄	♅	♆	♇	♈	♉
1850-1985	111,571	38,341	20,128	12,453	8,778	8,084	8,035	7,894	7,858	7,858

Annex 2

2.1 *Players* file shuffled 400 times and shifted within ± 120 days

Orb	Shift	Shuffle	♀	☉	♂	♃	♅	♁	♄	♆
♀ ♂ -2 ^o +2 ^o	-120	85,791	20,084	18,722	11,545	7,419	7,599	6,656	6,864	6,902
♀ ♂ -2 ^o +2 ^o	-090	85,838	19,916	18,409	11,732	7,450	7,751	6,706	6,845	7,029
♀ ♂ -2 ^o +2 ^o	0	85,145	19,908	17,931	11,885	7,451	7,861	6,757	6,701	6,651
♀ ♂ -2 ^o +2 ^o	+090	85,566	20,577	18,593	11,751	7,464	7,607	6,644	6,688	6,242
♀ ♂ -2 ^o +2 ^o	+120	85,495	20,898	18,401	11,902	7,153	7,661	6,809	6,473	6,198

Years	Players	♀	☉	♂	♃	♅	♁	♄	♆
6+	676	146	132	115	51	66	50	51	65

2.2 ♂ ♀ in decreasing orb

Orb	Players	♀	☉	♂	♃	♅	♁	♄	♆
♀ ♂ -6 ^o +6 ^o	2,085	485	429	287	191	189	169	156	179
♀ ♂ -4 ^o +4 ^o	1,358	290	282	214	116	127	108	96	125
♀ ♂ -3 ^o +3 ^o	1,022	226	205	167	84	87	79	79	95
♀ ♂ -2 ^o +2 ^o	676	146	132	115	51	66	50	51	65

Orb	Nbs	♀	☉	♂	♃	♅	♁	♄	♆
♀ ♂ -6 ^o +6 ^o	282,343	65,240	61,212	35,766	25,447	24,665	23,819	22,783	23,411
♀ ♂ -4 ^o +4 ^o	187,755	43,513	40,443	24,413	16,696	16,450	15,752	14,928	15,560
♀ ♂ -3 ^o +3 ^o	141,471	33,165	30,280	18,320	12,562	12,361	11,895	11,346	11,542
♀ ♂ -2 ^o +2 ^o	94,422	22,490	20,128	12,166	8,187	8,415	7,866	7,526	7,644

2.3 Distribution of aspects ♀ ♂ with an orb of $\pm 2.0^o$

Players	♂	♁	♂	♃	*	♁	♁	♁	♁	♁	♁	♁
1,368	115	200	157	168	123	132	99	104	80	69	51	47

Nbs	♂	♁	♂	♃	*	♁	♁	♁	♁	♁	♁	♁
178,075	12,166	24,100	23,232	21,365	19,020	16,579	14,160	12,519	10,150	8,793	6,450	6,015

Annex 3

3.1 Distribution of σ ♀ with an orb of $\pm 2.0^\circ$

Period	Players	♀	☉	♂	♃	♅	♁	♃	♁
1850-1879	74	9	15	11	6	10	7	7	9
1880-1899	91	21	17	14	10	12	6	4	7
1900-1919	70	19	17	6	4	5	8	5	6
1920-1934	58	16	11	7	6	5	3	5	5
1935-1949	76	15	14	8	6	8	11	5	9
1950-1959	66	10	7	13	6	6	4	7	13
1960-1969	100	29	18	17	4	13	4	11	4
1970-1979	93	21	20	22	6	5	6	5	8
1980-1985	48	6	13	17	3	2	1	2	4
1850-1985	676	146	132	115	51	66	50	51	65

Period	Nbs-Grp*	♀	☉	♂	♃	♅	♁	♃	♁
1850-1879	19,734	4,294	4,474	2,211	1,705	1,722	1,885	1,574	1,869
1880-1899	14,453	3,889	3,073	1,487	1,250	1,533	1,198	1,127	896
1900-1919	13,163	2,871	2,854	1,458	1,158	1,193	1,080	1,219	1,330
1920-1934	10,695	3,028	2,265	1,170	1,089	825	665	742	911
1935-1949	9,772	2,252	2,175	1,081	956	718	1,055	854	681
1950-1959*	17,223	3,487	3,722	2,109	1,533	2,110	1,182	1,367	1,713
1960-1969*	20,067	5,349	3,502	2,652	1,448	2,042	1,356	2,408	1,310
1970-1979*	19,480	4,067	4,314	4,124	1,613	1,244	1,653	1,046	1,419
1980-1985*	10,406	2,481	1,710	2,799	702	797	694	575	648
1850-1985	134,993	31,718	28,089	19,091	11,454	12,184	10,768	10,912	10,777