

Study on the National Hockey League players

Astrology

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Data

Players

A file *Players* containing 4,640 data has been created. The names of the players are on a list published on the [Hockey Reference](#) website.

Natural Births

The *Nbs* control file (see Introduction Sports_En_Analysis.pdf) covers the period 1890-1988 for sections 1 and 2, and covers the period 1850-1950 for section 3. Its results are compared with those of the *Players* file.

Control Group

For the period 1951-1988, 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 NHL players.

Period	Data	J	F	M	A	M	J	J	A	S	O	N	D
1951-1988	332,970	10.64%	9.81%	9.88%	10.57%	10.06%	8.58%	7.00%	7.24%	7.36%	06.99%	06.30%	05.57%

1. Natural Births 1890-1988

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

Years	Players	Nbs	p	♀	♀	☉	♂	♂	♂	♂	♂	♂
0+	1,333	144,712	0.6842	+00.37%	-00.02%	+00.68%	+00.70%	-00.94%	-01.19%	+01.05%	-00.27%	-00.40%
2+	965	144,712	0.2816	+00.68%	+00.76%	+00.74%	+01.55%	-01.74%	-01.71%	+00.82%	-00.75%	-00.35%
4+	783	144,712	0.2369	+01.36%	+00.83%	-00.14%	+01.85%	-02.26%	-01.66%	+00.78%	-00.62%	-00.15%
6+	620	144,712	0.3569	+01.07%	+01.21%	-00.06%	+02.25%	-02.04%	-01.89%	+00.03%	-00.74%	+00.16%

Global χ^2 – No significant percentage1.2 Distribution of $\sigma \mathfrak{D}$ with an orb of $\pm 2.0^\circ$

Years	Players	Nbs	p	♀	☉	♂	♂	♂	♂	♂	♂	♂
0+	764	83,500	0.914	+00.38%	+00.88%	-01.07%	+00.74%	+00.55%	-00.54%	-00.47%	-00.46%	-00.46%
2+	560	83,500	0.3401	+01.47%	-00.91%	-01.78%	+01.74%	+01.36%	-01.33%	+00.22%	-00.77%	-00.77%
4+	434	83,500	0.1761	+02.34%	-00.69%	-01.44%	+01.55%	+02.11%	-01.39%	-00.37%	-02.10%	-02.10%
6+	347	83,500	0.0934	+03.56%	-00.85%	-02.24%	+00.75%	+02.80%	-00.35%	-00.94%	-02.73%	-02.73%

Global χ^2 - Percentage of $\sigma \mathfrak{D}$ on the rise over years1.3 Distribution of $\sigma \mathfrak{D}$ with an orb of $\pm 2.0^\circ$

Years	Players	Nbs	p	♀	☉	♂	♂	♂	♂	♂	♂	♂
0+	681	68,986	0.1323	-01.33%	+00.40%	+03.66%	-01.51%	+00.51%	-00.02%	-00.31%	-01.41%	-01.41%
2+	502	68,986	0.0961	-00.23%	+00.18%	+04.16%	-02.19%	+00.97%	-00.53%	-00.63%	-01.74%	-01.74%
4+	404	68,986	0.0855	-00.18%	-00.04%	+04.70%	-02.37%	+00.82%	-00.43%	-00.13%	-02.37%	-02.37%
6+	323	68,986	0.0464	+01.14%	-01.52%	+05.52%	-02.68%	+00.39%	+00.26%	-00.06%	-03.05%	-03.05%

Global χ^2 - Percentage of $\sigma \mathfrak{D}$ on the rise over years1.4 Distribution of $\sigma \mathfrak{D}$ with an orb of $\pm 2.0^\circ$

Years	Players	Nbs	p	♀	♀	♂	♂	♂	♂	♂	♂	♂
0+	741	81,294	0.1245	+01.04%	+01.87%	+01.26%	+00.41%	+00.05%	-01.06%	-01.16%	-02.40%	-02.40%
2+	527	81,294	0.0847	+00.22%	+02.39%	+02.20%	-00.56%	+00.92%	-01.50%	-00.97%	-02.71%	-02.71%
4+	415	81,294	0.3504	-00.10%	+02.62%	+01.64%	-00.49%	+00.95%	-01.46%	-00.96%	-02.20%	-02.20%
6+	327	81,294	0.2542	+00.24%	+01.47%	+01.04%	-00.31%	+02.85%	-02.11%	-01.11%	-02.06%	-02.06%

Global χ^2 – No significant percentage

2. Natural Births 1890-1988 (Players 6 years and over)

2.1 *Players* file shuffled 300 times and shifted within ± 120 days

Orb	Shift	Players	Shuffle	p	♀	☉	♂	♂	♂	♂	♂	♂
♀ ♂ -2 ^o +2 ^o	-120	323	92,671	0.0443	+00.81%	-00.84%	+03.99%	-02.10%	-00.14%	+01.14%	-00.50%	-02.36%
♀ ♂ -2 ^o +2 ^o	-090	323	90,511	0.0626	+00.80%	-00.02%	+03.72%	-02.24%	-00.27%	+00.81%	-00.46%	-02.34%
♀ ♂ -2 ^o +2 ^o	0	323	90,476	0.1138	+00.38%	-00.98%	+03.20%	-02.33%	-00.01%	+01.18%	+00.52%	-01.96%
♀ ♂ -2 ^o +2 ^o	+090	323	91,530	0.0282	+00.47%	-01.93%	+04.31%	-02.09%	+00.44%	+01.09%	+00.26%	-02.56%
♀ ♂ -2 ^o +2 ^o	+120	323	91,133	0.0647	+01.47%	-00.77%	+03.69%	-02.68%	+00.42%	+00.64%	+00.19%	-02.95%

χ^2 ♂ - Maintained percentage for ♂ ♀ ♂

2.2 ♂ ♀ in decreasing orb

Orb	Players	Nbs	p	♀	☉	♂	♂	♂	♂	♂	♂	♂
♀ ♂ -6 ^o +6 ^o	935	205,780	0.0008	+00.29%	-00.86%	+03.71%	-01.05%	+00.52%	-01.60%	-00.17%	-00.85%	-00.85%
♀ ♂ -4 ^o +4 ^o	626	137,125	0.0077	+00.35%	-00.60%	+03.63%	-00.75%	+01.31%	-01.04%	-00.75%	-02.14%	-02.14%
♀ ♂ -3 ^o +3 ^o	477	103,437	0.0141	+00.23%	-00.67%	+03.83%	-01.73%	+01.72%	-00.07%	-00.89%	-02.40%	-02.40%
♀ ♂ -2 ^o +2 ^o	323	68,986	0.0035	+01.14%	-01.52%	+05.52%	-02.68%	+00.39%	+00.26%	-00.06%	-03.05%	-03.05%

χ^2 ♂ - Percentage of ♂ ♀ ♂ in inverse progression of the chosen orb

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

Players	Nbs	p	♂	♂	♂	♂	*	♂	□	♂	△	🏠	↗	♂	♂
600	128,879	0.0042	+03.02%	+00.02%	-00.36%	-03.44%	+01.25%	+00.39%	-02.35%	+00.86%	+01.27%	+00.46%	+00.77%	-01.40%	-00.49%

χ^2 ♂ - Higher percentage for ♂ ♀ ♂

3. Per period (Players 6 years and over)

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

Period	Players	Nbs-Grp*	p	♀	☉	♂	♂	♂	♂	♂	♂	♂
1890-1950	104	41,155	0.5362	+02.68%	-03.08%	+01.87%	+01.18%	-00.68%	+01.91%	-01.34%	-02.53%	-02.53%
1951-1969*	114	23,637	0.6345	-06.58%	+06.07%	-01.54%	-03.41%	+00.62%	+02.58%	+03.97%	-01.73%	-01.73%
1970-1988*	105	25,557	0.0142	+06.37%	-09.11%	+09.98%	-05.34%	+00.44%	-00.17%	-00.48%	-01.70%	-01.70%
1890-1988	323	90,349	0.0384	+00.68%	-01.95%	+04.10%	-02.76%	+00.36%	+01.13%	+00.64%	-02.18%	-02.18%

χ^2 ♂ - Higher Percentage of ♂ ♀ ♂ for most of analyzed periods

Annex 1

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

Years	Players	$\mathfrak{F}$	$\mathfrak{F}$	$\ominus$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
0+	1,333	152	147	154	160	135	134	162	146	143
2+	965	113	114	112	124	90	92	115	101	104
4+	783	97	93	84	103	69	75	93	83	86
6+	620	75	76	67	84	56	58	69	65	70

Period	Nbs	$\mathfrak{F}$	$\mathfrak{F}$	$\ominus$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
1890-1988	144,712	15,966	15,984	15,723	16,352	16,019	16,263	16,066	16,230	16,109

1.2 Distribution of $\sigma \mathfrak{F}$ with an orb of $\pm 2.0^\circ$

Years	Players	$\mathfrak{F}$	$\ominus$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
0+	764	154	262	75	66	62	47	52	46
2+	560	119	182	51	54	50	30	42	32
4+	434	96	142	41	41	42	23	30	19
6+	347	81	113	30	30	36	22	22	13

Period	Nbs	$\mathfrak{F}$	$\ominus$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
1890-1988	83,500	16,517	27,899	9,093	6,597	6,325	5,582	6,075	5,412

1.3 Distribution of $\sigma \mathfrak{F}$ with an orb of $\pm 2.0^\circ$

Years	Players	$\mathfrak{F}$	$\ominus$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
0+	681	154	148	116	48	62	55	51	47
2+	502	119	108	88	32	48	38	36	33
4+	404	96	86	73	25	38	31	31	24
6+	323	81	64	61	19	29	27	25	17

Period	Nbs	$\mathfrak{F}$	$\ominus$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
1890-1988	68,986	16,517	14,716	9,220	5,904	5,925	5,589	5,382	5,733

1.4 Distribution of $\sigma \ominus$ with an orb of $\pm 2.0^\circ$

Years	Players	$\mathfrak{F}$	$\mathfrak{F}$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
0+	741	262	148	90	62	54	44	45	36
2+	527	182	108	69	39	43	29	33	24
4+	415	142	86	52	31	34	23	26	21
6+	327	113	64	39	25	33	16	20	17

Period	Nbs	$\mathfrak{F}$	$\mathfrak{F}$	σ	$\mathfrak{L}$	$\mathfrak{h}$	$\mathfrak{H}$	Ψ	$\mathfrak{F}$
1890-1988	81,294	27,899	14,716	8,853	6,470	5,886	5,693	5,879	5,898

Annex 2

2.1 *Players* file shuffled 300 times and shifted within ± 120 days

Orb	Shift	Shuffle	♀	☉	♂	♂	♂	♂	♂	♀
♀ ♂ -2 ^o +2 ^o	-120	92,671	22,491	19,132	13,808	7,396	8,453	6,690	7,639	7,062
♀ ♂ -2 ^o +2 ^o	-090	90,511	21,975	17,948	13,729	7,351	8,370	6,834	7,422	6,882
♀ ♂ -2 ^o +2 ^o	0	90,476	22,349	18,809	14,192	7,429	8,131	6,497	6,534	6,535
♀ ♂ -2 ^o +2 ^o	+090	91,530	22,524	19,897	13,343	7,296	7,813	6,650	6,846	7,161
♀ ♂ -2 ^o +2 ^o	+120	91,133	21,519	18,756	13,848	7,801	7,799	7,040	6,884	7,486

Years	Players	♀	☉	♂	♂	♂	♂	♂	♂	♀
6+	323	81	64	61	19	29	27	25	17	

2.2 ♂ ♀ in decreasing orb

Orb	Players	♀	☉	♂	♂	♂	♂	♂	♂	♀
♀ ♂ -6 ^o +6 ^o	935	219	194	157	74	86	62	72	71	
♀ ♂ -4 ^o +4 ^o	626	147	131	107	51	62	45	44	39	
♀ ♂ -3 ^o +3 ^o	477	113	99	82	34	49	39	33	28	
♀ ♂ -2 ^o +2 ^o	323	81	64	61	19	29	27	25	17	

Orb	Nbs	♀	☉	♂	♂	♂	♂	♂	♂	♀
♀ ♂ -6 ^o +6 ^o	205,780	47,595	44,475	26,912	18,435	17,867	16,931	16,187	17,378	
♀ ♂ -4 ^o +4 ^o	137,125	31,717	29,523	18,456	12,210	11,784	11,287	10,666	11,482	
♀ ♂ -3 ^o +3 ^o	103,437	24,266	22,161	13,824	9,168	8,839	8,538	8,082	8,559	
♀ ♂ -2 ^o +2 ^o	68,986	16,517	14,716	9,220	5,904	5,925	5,589	5,382	5,733	

2.3 Distribution of aspects ♀ ♂ with an orb of $\pm 2.0^{\circ}$

Players	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
600	61	78	65	52	73	56	35	54	48	33	27	12	6

Nbs	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
128,879	9,220	16,731	14,416	15,606	14,074	11,520	10,542	10,485	8,677	6,501	4,804	4,382	1,921

Annex 3

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

Period	Players	♀	♂	♂	♂	♂	♂	♂	♂
1890-1950	104	28	20	13	11	8	11	7	6
1951-1969	114	21	31	14	5	14	10	13	6
1970-1988	105	32	13	34	3	7	6	5	5
1890-1988	323	81	64	61	19	29	27	25	17

Period	Nbs-Grp*	♀	♂	♂	♂	♂	♂	♂	♂
1890-1950	41,155	9,978	9,180	4,375	3,870	3,446	3,570	3,320	3,416
1951-1969*	23,637	5,910	4,993	3,266	1,843	2,755	1,462	1,756	1,652
1970-1988*	25,557	6,161	5,491	5,726	2,095	1,591	1,504	1,338	1,651
1890-1988	90,349	22,049	19,664	13,367	7,808	7,792	6,536	6,414	6,719