

Study on the National Football League players

Astrology

Study on the National Football League players

Serge Daigno

26-04-2017

Data

Players

A file *Players* containing 23,300 data has been created. The names of the players are on a list published on the [NFL savant](#) website.

Natural Births

The *Nbs* control file (see [Introduction Sports_En_Analysis.pdf](#)) covers the period 1890-1990 for sections 1 and 2. Its results are compared with those of the *Players* file.

Control Group

A *GRP* control file was created to compare its results (Section 3) with those of the *Players* file. The birth months have been distributed on the base of the birth curve of the [NFL](#) players.

| Period | Data | J | F | M | A | M | J | J | A | S | O | N | D |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1890-1990 | 791,576 | 9.47% | 7.71% | 8.86% | 7.49% | 8.04% | 7.69% | 8.45% | 8.25% | 8.55% | 08.55% | 08.18% | 08.76% |

1. Natural Births 1890-1990

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

| Years | Players | Nbs | p | ☿ | ♀ | ☼ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0+ | 7,110 | 147,740 | 0.2923 | -00.75% | -00.44% | -00.09% | +00.18% | -00.22% | +00.46% | -00.02% | +00.62% | +00.26% |
| 2+ | 3,711 | 147,740 | 0.4911 | -00.36% | -00.21% | -00.56% | +00.04% | -00.54% | +00.70% | -00.29% | +00.86% | +00.36% |
| 4+ | 2,643 | 147,740 | 0.4147 | -00.55% | -00.07% | -01.04% | -00.25% | -00.49% | +00.64% | +00.29% | +01.01% | +00.47% |
| 6+ | 1,608 | 147,740 | 0.0446 | -01.58% | +00.59% | -01.80% | -00.60% | -00.04% | +00.08% | +00.90% | +00.67% | +01.79% |

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+ | 4,091 | 85,126 | 0.5619 | -00.52% | -01.01% | +00.60% | +00.10% | +00.45% | +00.25% | -00.22% | +00.34% |
| 2+ | 2,139 | 85,126 | 0.3354 | -00.97% | -01.89% | +00.38% | +00.36% | +00.78% | +00.44% | +00.22% | +00.68% |
| 4+ | 1,499 | 85,126 | 0.3833 | -01.35% | -01.30% | -00.30% | +00.45% | +00.75% | +01.06% | -00.04% | +00.71% |
| 6+ | 921 | 85,126 | 0.3129 | -03.15% | +00.21% | +00.02% | +00.87% | +01.31% | +00.14% | -00.04% | +00.63% |

Global χ^2 – No significant percentages

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

| Years | Players | Nbs | p | ☿ | ☼ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0+ | 3,382 | 70,605 | 0.0163 | -00.56% | +00.15% | +02.15% | -00.70% | +00.21% | -00.71% | -00.13% | -00.40% |
| 2+ | 1,762 | 70,605 | 0.1614 | -01.02% | -00.80% | +02.41% | -00.05% | +00.44% | -00.41% | -00.59% | +00.02% |
| 4+ | 1,210 | 70,605 | 0.6533 | -01.02% | -00.72% | +01.68% | +00.33% | +00.69% | -00.71% | -00.25% | -00.01% |
| 6+ | 757 | 70,605 | 0.0777 | -03.62% | -01.78% | +03.31% | +00.21% | +00.83% | +00.52% | +00.60% | -00.08% |

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+ | 3,882 | 82,999 | 0.7699 | -00.13% | +00.57% | +00.51% | -00.07% | -00.11% | +00.11% | -00.34% | -00.56% |
| 2+ | 1,971 | 82,999 | 0.7409 | -00.06% | +00.21% | +00.67% | +00.32% | -00.68% | +00.31% | +00.01% | -00.79% |
| 4+ | 1,403 | 82,999 | 0.8191 | +00.04% | -00.37% | +00.70% | +00.55% | -00.97% | -00.37% | +00.37% | +00.04% |
| 6+ | 864 | 82,999 | 0.2052 | +01.57% | -01.01% | +00.96% | +00.45% | -01.96% | -00.87% | +01.26% | -00.40% |

Global χ^2 – No significant percentage

2. Natural Births 1890-1990 (Players 6 years and over)

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

| Orb | Shift | Players | Shuffle | p | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------------------------------------|-------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| ♀ ♂ -2 ^o +2 ^o | -120 | 757 | 91,923 | 0.324 | -02.81% | -00.79% | +01.29% | +00.16% | +00.86% | +00.72% | +00.53% | +00.05% |
| ♀ ♂ -2 ^o +2 ^o | -090 | 757 | 92,866 | 0.3596 | -02.83% | -00.93% | +01.20% | +00.30% | +00.96% | +00.85% | +00.38% | +00.06% |
| ♀ ♂ -2 ^o +2 ^o | 0 | 757 | 92,422 | 0.1939 | -03.18% | -00.85% | +01.68% | +00.28% | +00.64% | +00.72% | +00.42% | +00.28% |
| ♀ ♂ -2 ^o +2 ^o | +090 | 757 | 92,515 | 0.2125 | -03.70% | -01.06% | +01.61% | +00.53% | +00.48% | +00.91% | +00.71% | +00.51% |
| ♀ ♂ -2 ^o +2 ^o | +120 | 757 | 94,327 | 0.156 | -04.12% | -01.95% | +01.82% | +00.97% | +00.74% | +01.09% | +00.81% | +00.62% |

χ² ♂ - Maintained percentage for ♂ ♀ ♂

2.2 ♂ ♀ in decreasing orb

| Orb | Players | Nbs | p | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ | ♇ |
|-------------------------------------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| ♀ ♂ -6 ^o +6 ^o | 2,263 | 210,834 | 0.0426 | -01.16% | -01.47% | +01.44% | +00.30% | +00.65% | +00.41% | +00.22% | -00.37% | |
| ♀ ♂ -4 ^o +4 ^o | 1,490 | 140,476 | 0.0371 | -02.41% | -01.88% | +01.83% | +00.01% | +00.92% | +00.91% | +00.60% | +00.01% | |
| ♀ ♂ -3 ^o +3 ^o | 1,121 | 105,936 | 0.0104 | -01.98% | -02.01% | +02.59% | +01.35% | +00.42% | -00.02% | -00.05% | -00.30% | |
| ♀ ♂ -2 ^o +2 ^o | 757 | 70,605 | 0.0072 | -03.62% | -01.78% | +03.31% | +00.21% | +00.83% | +00.52% | +00.60% | -00.08% | |

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 | ♂ | ♁ | ♃ | ♅ | ♁ | ♄ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ |
|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1,414 | 131,359 | 0.0107 | +01.74% | +00.70% | -01.00% | +01.00% | -00.23% | -01.11% | -01.20% | +01.53% | -00.61% | -00.13% | +00.10% | -00.77% | -00.01% |

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 | Grp | p | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ | ♇ |
|-----------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| 1890-1909 | 46 | 21,156 | 0.6858 | -04.43% | +09.25% | -01.83% | +03.72% | -01.99% | -02.77% | +00.44% | -02.38% | |
| 1910-1929 | 87 | 22,317 | 0.1117 | +01.46% | -03.66% | +05.29% | +03.63% | -00.35% | -01.13% | +02.57% | -07.80% | |
| 1930-1949 | 141 | 21,325 | 0.8411 | -02.60% | -02.51% | -00.53% | +01.35% | +00.31% | +01.97% | -02.58% | +04.60% | |
| 1950-1959 | 92 | 10,675 | 0.2925 | -01.11% | -04.17% | +03.64% | -00.94% | -02.68% | +00.50% | +00.61% | +04.15% | |
| 1960-1969 | 137 | 12,501 | 0.9701 | -05.04% | -02.92% | +00.11% | -01.13% | +03.10% | +02.94% | +03.59% | -00.66% | |
| 1970-1979 | 134 | 12,431 | 0.1084 | -03.97% | -01.06% | +05.67% | +01.37% | -01.48% | +01.23% | -02.76% | +01.00% | |
| 1980-1990 | 120 | 12,770 | 0.459 | -08.56% | +00.30% | +02.52% | -01.62% | +04.25% | +00.33% | +02.16% | +00.63% | |
| 1890-1990 | 757 | 113,175 | 0.0046 | -03.86% | -01.95% | +03.47% | +00.21% | +00.67% | +00.54% | +00.58% | +00.33% | |

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

Annex 1

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

| Years | Players | ♀ | ♀ | ⊙ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0+ | 7,110 | 731 | 754 | 767 | 816 | 770 | 832 | 788 | 841 | 811 |
| 2+ | 3,711 | 396 | 402 | 383 | 421 | 390 | 443 | 401 | 448 | 427 |
| 4+ | 2,643 | 277 | 290 | 260 | 292 | 279 | 314 | 301 | 323 | 307 |
| 6+ | 1,608 | 152 | 187 | 146 | 172 | 177 | 182 | 193 | 191 | 208 |

| Period | Nbs | ♀ | ♀ | ⊙ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1890-1990 | 147,740 | 16,295 | 16,313 | 16,070 | 16,691 | 16,331 | 16,609 | 16,400 | 16,556 | 16,475 |

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

| Years | Players | ♀ | ⊙ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-------|---------|-----|-------|-----|-----|-----|-----|-----|-----|
| 0+ | 4,091 | 787 | 1,327 | 468 | 324 | 329 | 289 | 290 | 277 |
| 2+ | 2,139 | 402 | 675 | 240 | 175 | 179 | 155 | 161 | 152 |
| 4+ | 1,499 | 276 | 482 | 158 | 124 | 125 | 118 | 109 | 107 |
| 6+ | 921 | 153 | 310 | 100 | 80 | 82 | 64 | 67 | 65 |

| Period | Nbs | ♀ | ⊙ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1890-1990 | 85,126 | 16,822 | 28,478 | 9,224 | 6,654 | 6,457 | 5,794 | 6,224 | 5,473 |

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

| Years | Players | ♀ | ⊙ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| 0+ | 3,382 | 787 | 731 | 519 | 264 | 305 | 249 | 261 | 266 |
| 2+ | 1,762 | 402 | 364 | 275 | 149 | 163 | 135 | 128 | 146 |
| 4+ | 1,210 | 276 | 251 | 180 | 107 | 115 | 89 | 92 | 100 |
| 6+ | 757 | 153 | 149 | 125 | 66 | 73 | 65 | 64 | 62 |

| Period | Nbs | ♀ | ⊙ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1890-1990 | 70,605 | 16,822 | 15,153 | 9,323 | 6,006 | 6,223 | 5,700 | 5,541 | 5,837 |

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

| Years | Players | ♀ | ♀ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-------|---------|-------|-----|-----|-----|-----|-----|-----|-----|
| 0+ | 3,882 | 1,327 | 731 | 441 | 308 | 274 | 276 | 266 | 259 |
| 2+ | 1,971 | 675 | 364 | 227 | 164 | 128 | 144 | 142 | 127 |
| 4+ | 1,403 | 482 | 251 | 162 | 120 | 87 | 93 | 106 | 102 |
| 6+ | 864 | 310 | 149 | 102 | 73 | 45 | 53 | 73 | 59 |

| Period | Nbs | ♀ | ♀ | ♂ | ㄣ | ㄥ | ≡ | Ψ | ♀ |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1890-1990 | 82,999 | 28,478 | 15,153 | 9,007 | 6,636 | 5,950 | 5,808 | 5,964 | 6,003 |

Annex 2

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

| Orb | Shift | Shuffle | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------------------------------------|-------|---------|--------|--------|--------|-------|-------|-------|-------|-------|
| ♀ ♂ -2 ^o +2 ^o | -120 | 91,923 | 21,164 | 18,817 | 13,995 | 7,873 | 8,071 | 7,237 | 7,280 | 7,486 |
| ♀ ♂ -2 ^o +2 ^o | -090 | 92,866 | 21,395 | 19,138 | 14,221 | 7,820 | 8,060 | 7,191 | 7,491 | 7,550 |
| ♀ ♂ -2 ^o +2 ^o | 0 | 92,422 | 21,621 | 18,972 | 13,710 | 7,798 | 8,316 | 7,278 | 7,420 | 7,307 |
| ♀ ♂ -2 ^o +2 ^o | +090 | 92,515 | 22,117 | 19,192 | 13,784 | 7,581 | 8,470 | 7,108 | 7,158 | 7,105 |
| ♀ ♂ -2 ^o +2 ^o | +120 | 94,327 | 22,953 | 20,403 | 13,854 | 7,315 | 8,391 | 7,071 | 7,202 | 7,138 |

| Years | Players | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------|---------|-----|-----|-----|----|----|----|----|----|
| 6+ | 757 | 153 | 149 | 125 | 66 | 73 | 65 | 64 | 62 |

2.2 ♂ ♀ in decreasing orb

| Orb | Players | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------------------------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| ♀ ♂ -6 ^o +6 ^o | 2,263 | 496 | 459 | 326 | 208 | 215 | 195 | 183 | 181 |
| ♀ ♂ -4 ^o +4 ^o | 1,490 | 308 | 295 | 225 | 132 | 145 | 136 | 125 | 124 |
| ♀ ♂ -3 ^o +3 ^o | 1,121 | 240 | 219 | 177 | 114 | 103 | 92 | 87 | 89 |
| ♀ ♂ -2 ^o +2 ^o | 757 | 153 | 149 | 125 | 66 | 73 | 65 | 64 | 62 |

| Orb | Nbs | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♄ | ♆ |
|-------------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| ♀ ♂ -6 ^o +6 ^o | 210,834 | 48,657 | 45,849 | 27,352 | 18,752 | 18,650 | 17,319 | 16,602 | 17,653 |
| ♀ ♂ -4 ^o +4 ^o | 140,476 | 32,415 | 30,461 | 18,639 | 12,430 | 12,370 | 11,541 | 10,942 | 11,678 |
| ♀ ♂ -3 ^o +3 ^o | 105,936 | 24,780 | 22,831 | 13,984 | 9,339 | 9,286 | 8,721 | 8,270 | 8,725 |
| ♀ ♂ -2 ^o +2 ^o | 70,605 | 16,822 | 15,153 | 9,323 | 6,006 | 6,223 | 5,700 | 5,541 | 5,837 |

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

| Players | ♂ | ♁ | ♂ | ♃ | * | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|---------|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|----|
| 1,414 | 125 | 194 | 145 | 186 | 153 | 110 | 98 | 136 | 86 | 69 | 54 | 37 |

| Nbs | ♂ | ♁ | ♂ | ♃ | * | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 131,359 | 9,323 | 17,107 | 14,775 | 15,959 | 14,509 | 11,683 | 10,683 | 10,629 | 8,790 | 6,587 | 4,887 | 4,457 |

Annex 3

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

| Period | Players | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♃ | ♁ | ♁ |
|-----------|---------|-----|-----|-----|----|----|----|----|----|----|
| 1890-1909 | 46 | 9 | 15 | 4 | 6 | 3 | 3 | 4 | 2 | 2 |
| 1910-1929 | 87 | 24 | 15 | 14 | 11 | 7 | 6 | 8 | 2 | 2 |
| 1930-1949 | 141 | 29 | 29 | 15 | 15 | 13 | 16 | 8 | 16 | 16 |
| 1950-1959 | 92 | 18 | 16 | 15 | 7 | 9 | 7 | 7 | 13 | 13 |
| 1960-1969 | 137 | 31 | 21 | 18 | 8 | 19 | 12 | 21 | 7 | 7 |
| 1970-1979 | 134 | 24 | 27 | 36 | 13 | 6 | 13 | 5 | 10 | 10 |
| 1980-1990 | 120 | 18 | 26 | 23 | 6 | 16 | 8 | 11 | 12 | 12 |
| 1890-1990 | 757 | 153 | 149 | 125 | 66 | 73 | 65 | 64 | 62 | 62 |

| Period | Grp | ♀ | ☉ | ♂ | ♃ | ♅ | ♁ | ♃ | ♁ | ♁ |
|-----------|---------|--------|--------|--------|-------|--------|-------|-------|-------|-------|
| 1890-1909 | 21,156 | 5,077 | 4,942 | 2,227 | 1,972 | 1,800 | 1,966 | 1,748 | 1,424 | 1,424 |
| 1910-1929 | 22,317 | 5,832 | 4,664 | 2,410 | 2,011 | 1,875 | 1,793 | 1,479 | 2,253 | 2,253 |
| 1930-1949 | 21,325 | 4,940 | 4,922 | 2,382 | 1,981 | 1,901 | 2,001 | 1,759 | 1,439 | 1,439 |
| 1950-1959 | 10,675 | 2,208 | 2,302 | 1,351 | 913 | 1,330 | 759 | 747 | 1,065 | 1,065 |
| 1960-1969 | 12,501 | 3,459 | 2,281 | 1,629 | 871 | 1,346 | 727 | 1,467 | 721 | 721 |
| 1970-1979 | 12,431 | 2,720 | 2,637 | 2,635 | 1,035 | 741 | 1,053 | 807 | 803 | 803 |
| 1980-1990 | 12,770 | 3,009 | 2,729 | 2,126 | 845 | 1,160 | 810 | 895 | 1,196 | 1,196 |
| 1890-1990 | 113,175 | 27,245 | 24,477 | 14,760 | 9,628 | 10,153 | 9,109 | 8,902 | 8,901 | 8,901 |