

Call:

```
glm(formula = Result ~ Year_factor * Own_MARS_Rating + Year_factor *  
Opponent_MARS_Rating, family = "binomial", data = fd_use)
```

Deviance Residuals:

Min	1Q	Median	3Q	Max
-2.7482	-1.0032	0.4923	0.8965	2.7112

Coefficients:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-43.12255	38.84040	-1.110	0.266891
Year_factor1898	11.50853	50.41262	0.228	0.819423
Year_factor1899	83.84079	49.95242	1.678	0.093266
Year_factor1900	27.87804	52.92899	0.527	0.598398
Year_factor1901	64.91590	46.92729	1.383	0.166564
Year_factor1902	54.30809	44.10356	1.231	0.218182
Year_factor1903	15.00082	44.94994	0.334	0.738589
Year_factor1904	33.69898	48.77763	0.691	0.489648
Year_factor1905	49.17566	46.24004	1.063	0.287561
Year_factor1906	73.04224	44.28737	1.649	0.099090
Year_factor1907	32.17562	46.21250	0.696	0.486270
Year_factor1908	55.25030	48.54156	1.138	0.255034
Year_factor1909	31.64878	43.47227	0.728	0.466600
Year_factor1910	25.59221	43.14463	0.593	0.553066
Year_factor1911	25.06061	44.61722	0.562	0.574334
Year_factor1912	40.27801	43.69028	0.922	0.356581
Year_factor1913	55.85350	47.96276	1.165	0.244214
Year_factor1914	31.72544	45.38535	0.699	0.484537
Year_factor1915	45.16840	45.22897	0.999	0.317959
Year_factor1916	94.25589	74.21881	1.270	0.204094
Year_factor1917	-46.81758	64.82752	-0.722	0.470180
Year_factor1918	57.01947	50.05474	1.139	0.254644
Year_factor1919	22.74816	43.58596	0.522	0.601730
Year_factor1920	24.49296	43.46578	0.563	0.573095
Year_factor1921	44.00197	44.81715	0.982	0.326193
Year_factor1922	-7.17994	53.10457	-0.135	0.892451
Year_factor1923	-14.47788	50.88852	-0.285	0.776026
Year_factor1924	30.92781	51.17068	0.604	0.545575
Year_factor1925	57.43057	44.71467	1.284	0.199009
Year_factor1926	1.25474	42.84212	0.029	0.976635
Year_factor1927	33.96789	41.62298	0.816	0.414452
Year_factor1928	30.53796	41.84034	0.730	0.465470
Year_factor1929	49.35870	42.32957	1.166	0.243591
Year_factor1930	43.47889	41.61445	1.045	0.296114
Year_factor1931	4.36027	42.48639	0.103	0.918259
Year_factor1932	52.28583	41.56934	1.258	0.208465
Year_factor1933	16.05249	42.26454	0.380	0.704086
Year_factor1934	44.00804	42.11769	1.045	0.296077
Year_factor1935	4.61019	41.80773	0.110	0.912194
Year_factor1936	67.45775	41.51629	1.625	0.104195

Year_factor1937	23. 40444	42. 29674	0. 553	0. 580031
Year_factor1938	33. 32803	41. 94645	0. 795	0. 426883
Year_factor1939	41. 32974	43. 18743	0. 957	0. 338575
Year_factor1940	81. 81043	44. 04978	1. 857	0. 063279
Year_factor1941	39. 19149	42. 63078	0. 919	0. 357926
Year_factor1942	23. 31955	43. 46550	0. 537	0. 591608
Year_factor1943	59. 39333	44. 44252	1. 336	0. 181416
Year_factor1944	32. 97761	42. 62764	0. 774	0. 439155
Year_factor1945	55. 05610	41. 59882	1. 324	0. 185669
Year_factor1946	41. 50074	41. 33007	1. 004	0. 315316
Year_factor1947	24. 71455	41. 44460	0. 596	0. 550956
Year_factor1948	30. 39269	40. 94912	0. 742	0. 457962
Year_factor1949	65. 47544	41. 88223	1. 563	0. 117977
Year_factor1950	35. 89783	43. 18101	0. 831	0. 405785
Year_factor1951	44. 57564	42. 40081	1. 051	0. 293124
Year_factor1952	2. 87301	43. 32843	0. 066	0. 947133
Year_factor1953	26. 20445	42. 46517	0. 617	0. 537181
Year_factor1954	44. 00738	43. 38441	1. 014	0. 310411
Year_factor1955	9. 12259	43. 67803	0. 209	0. 834558
Year_factor1956	48. 93505	41. 96234	1. 166	0. 243547
Year_factor1957	28. 08602	45. 17628	0. 622	0. 534140
Year_factor1958	15. 98727	45. 15288	0. 354	0. 723287
Year_factor1959	17. 00878	45. 66237	0. 372	0. 709528
Year_factor1960	47. 22166	43. 25588	1. 092	0. 274973
Year_factor1961	34. 95907	44. 21931	0. 791	0. 429187
Year_factor1962	0. 09094	43. 93402	0. 002	0. 998348
Year_factor1963	16. 23403	42. 45111	0. 382	0. 702152
Year_factor1964	37. 97642	42. 33914	0. 897	0. 369741
Year_factor1965	28. 71898	41. 76387	0. 688	0. 491672
Year_factor1966	37. 15271	42. 34893	0. 877	0. 380324
Year_factor1967	33. 86182	40. 95080	0. 827	0. 408299
Year_factor1968	11. 93944	41. 57652	0. 287	0. 773984
Year_factor1969	52. 84426	41. 34693	1. 278	0. 201225
Year_factor1970	14. 66741	42. 29630	0. 347	0. 728758
Year_factor1971	42. 33088	40. 56243	1. 044	0. 296671
Year_factor1972	31. 02080	40. 61428	0. 764	0. 444992
Year_factor1973	47. 61152	40. 69182	1. 170	0. 241980
Year_factor1974	30. 08379	40. 94222	0. 735	0. 462469
Year_factor1975	21. 22447	41. 07556	0. 517	0. 605353
Year_factor1976	50. 45599	42. 35048	1. 191	0. 233500
Year_factor1977	32. 96608	41. 27740	0. 799	0. 424495
Year_factor1978	36. 39154	41. 23989	0. 882	0. 377541
Year_factor1979	57. 20866	41. 03503	1. 394	0. 163275
Year_factor1980	36. 56797	40. 70689	0. 898	0. 369013
Year_factor1981	31. 85788	41. 03995	0. 776	0. 437593
Year_factor1982	42. 71524	40. 46295	1. 056	0. 291122
Year_factor1983	31. 21131	40. 88183	0. 763	0. 445194
Year_factor1984	37. 66749	41. 12802	0. 916	0. 359741
Year_factor1985	15. 48134	41. 45179	0. 373	0. 708793
Year_factor1986	37. 51402	40. 48383	0. 927	0. 354112

Year_factor1987	38.02408	40.41625	0.941	0.346801	
Year_factor1988	44.38034	40.78528	1.088	0.276531	
Year_factor1989	52.48254	40.76539	1.287	0.197945	
Year_factor1990	37.69693	40.30382	0.935	0.349624	
Year_factor1991	41.46328	39.77068	1.043	0.297153	
Year_factor1992	43.56914	39.62774	1.099	0.271567	
Year_factor1993	55.68440	40.57892	1.372	0.169986	
Year_factor1994	27.12396	40.27663	0.673	0.500666	
Year_factor1995	25.30505	40.36839	0.627	0.530755	
Year_factor1996	42.06741	40.70891	1.033	0.301430	
Year_factor1997	28.31503	41.99560	0.674	0.500160	
Year_factor1998	55.10372	41.86225	1.316	0.188070	
Year_factor1999	39.02543	41.86466	0.932	0.351243	
Year_factor2000	60.83974	40.60260	1.498	0.134024	
Year_factor2001	30.06578	40.24602	0.747	0.455033	
Year_factor2002	41.61105	40.93177	1.017	0.309346	
Year_factor2003	38.80262	40.65804	0.954	0.339899	
Year_factor2004	23.44853	40.64712	0.577	0.564020	
Year_factor2005	37.21148	40.74789	0.913	0.361131	
Year_factor2006	53.70716	40.61472	1.322	0.186049	
Year_factor2007	49.84094	41.03877	1.214	0.224563	
Year_factor2008	43.47400	40.45088	1.075	0.282493	
Year_factor2009	51.32168	40.28587	1.274	0.202686	
Year_factor2010	35.40700	40.17655	0.881	0.378163	
Year_factor2011	48.28807	40.03561	1.206	0.227768	
Year_factor2012	46.08499	39.69213	1.161	0.245617	
Own_MARS_Rati ng	0.16540	0.04976	3.324	0.000888	***
Opponent_MARS_Rati ng	-0.12187	0.04402	-2.768	0.005633	**
Year_factor1898: Own_MARS_Rati ng	-0.06377	0.05702	-1.118	0.263406	
Year_factor1899: Own_MARS_Rati ng	-0.11105	0.05313	-2.090	0.036605	*
Year_factor1900: Own_MARS_Rati ng	-0.07272	0.05643	-1.289	0.197542	
Year_factor1901: Own_MARS_Rati ng	-0.09633	0.05356	-1.799	0.072084	.
Year_factor1902: Own_MARS_Rati ng	-0.11997	0.05230	-2.294	0.021796	*
Year_factor1903: Own_MARS_Rati ng	-0.10257	0.05324	-1.927	0.054033	.
Year_factor1904: Own_MARS_Rati ng	-0.12979	0.05399	-2.404	0.016213	*
Year_factor1905: Own_MARS_Rati ng	-0.11763	0.05295	-2.221	0.026318	*
Year_factor1906: Own_MARS_Rati ng	-0.12001	0.05236	-2.292	0.021917	*
Year_factor1907: Own_MARS_Rati ng	-0.14402	0.05227	-2.755	0.005865	**
Year_factor1908: Own_MARS_Rati ng	-0.11233	0.05420	-2.072	0.038231	*
Year_factor1909: Own_MARS_Rati ng	-0.09002	0.05332	-1.689	0.091315	.
Year_factor1910: Own_MARS_Rati ng	-0.11000	0.05208	-2.112	0.034693	*
Year_factor1911: Own_MARS_Rati ng	-0.07457	0.05393	-1.383	0.166773	
Year_factor1912: Own_MARS_Rati ng	-0.10062	0.05266	-1.911	0.056044	.
Year_factor1913: Own_MARS_Rati ng	-0.08407	0.05408	-1.554	0.120067	
Year_factor1914: Own_MARS_Rati ng	-0.08104	0.05394	-1.502	0.133013	
Year_factor1915: Own_MARS_Rati ng	-0.12356	0.05313	-2.326	0.020042	*
Year_factor1916: Own_MARS_Rati ng	-0.15833	0.06148	-2.575	0.010016	*
Year_factor1917: Own_MARS_Rati ng	-0.08977	0.05978	-1.502	0.133199	
Year_factor1918: Own_MARS_Rati ng	-0.10534	0.05572	-1.890	0.058697	.
Year_factor1919: Own_MARS_Rati ng	-0.09256	0.05334	-1.735	0.082672	.

Year_factor1920: Own_MARS_Rati ng	-0. 11006	0. 05217	-2. 109	0. 034902	*
Year_factor1921: Own_MARS_Rati ng	-0. 13322	0. 05235	-2. 545	0. 010936	*
Year_factor1922: Own_MARS_Rati ng	-0. 08999	0. 05658	-1. 591	0. 111695	.
Year_factor1923: Own_MARS_Rati ng	-0. 11475	0. 05481	-2. 094	0. 036281	*
Year_factor1924: Own_MARS_Rati ng	-0. 12486	0. 05507	-2. 267	0. 023364	*
Year_factor1925: Own_MARS_Rati ng	-0. 11401	0. 05276	-2. 161	0. 030706	*
Year_factor1926: Own_MARS_Rati ng	-0. 05896	0. 05379	-1. 096	0. 272961	.
Year_factor1927: Own_MARS_Rati ng	-0. 11215	0. 05134	-2. 184	0. 028941	*
Year_factor1928: Own_MARS_Rati ng	-0. 11036	0. 05129	-2. 152	0. 031423	*
Year_factor1929: Own_MARS_Rati ng	-0. 08590	0. 05250	-1. 636	0. 101785	.
Year_factor1930: Own_MARS_Rati ng	-0. 11543	0. 05128	-2. 251	0. 024386	*
Year_factor1931: Own_MARS_Rati ng	-0. 07819	0. 05288	-1. 479	0. 139200	.
Year_factor1932: Own_MARS_Rati ng	-0. 11458	0. 05141	-2. 229	0. 025820	*
Year_factor1933: Own_MARS_Rati ng	-0. 09002	0. 05235	-1. 719	0. 085531	.
Year_factor1934: Own_MARS_Rati ng	-0. 07554	0. 05317	-1. 421	0. 155386	.
Year_factor1935: Own_MARS_Rati ng	-0. 07022	0. 05306	-1. 323	0. 185696	.
Year_factor1936: Own_MARS_Rati ng	-0. 12922	0. 05098	-2. 535	0. 011251	*
Year_factor1937: Own_MARS_Rati ng	-0. 08922	0. 05243	-1. 702	0. 088816	.
Year_factor1938: Own_MARS_Rati ng	-0. 12507	0. 05115	-2. 445	0. 014482	*
Year_factor1939: Own_MARS_Rati ng	-0. 10620	0. 05218	-2. 035	0. 041819	*
Year_factor1940: Own_MARS_Rati ng	-0. 15350	0. 05192	-2. 957	0. 003111	**
Year_factor1941: Own_MARS_Rati ng	-0. 10233	0. 05206	-1. 966	0. 049324	*
Year_factor1942: Own_MARS_Rati ng	-0. 09709	0. 05276	-1. 840	0. 065728	.
Year_factor1943: Own_MARS_Rati ng	-0. 15801	0. 05202	-3. 038	0. 002384	**
Year_factor1944: Own_MARS_Rati ng	-0. 10120	0. 05214	-1. 941	0. 052275	.
Year_factor1945: Own_MARS_Rati ng	-0. 12579	0. 05109	-2. 462	0. 013816	*
Year_factor1946: Own_MARS_Rati ng	-0. 13105	0. 05075	-2. 582	0. 009818	**
Year_factor1947: Own_MARS_Rati ng	-0. 10903	0. 05132	-2. 124	0. 033636	*
Year_factor1948: Own_MARS_Rati ng	-0. 12142	0. 05093	-2. 384	0. 017120	*
Year_factor1949: Own_MARS_Rati ng	-0. 14066	0. 05077	-2. 771	0. 005595	**
Year_factor1950: Own_MARS_Rati ng	-0. 09307	0. 05247	-1. 774	0. 076135	.
Year_factor1951: Own_MARS_Rati ng	-0. 12451	0. 05136	-2. 424	0. 015337	*
Year_factor1952: Own_MARS_Rati ng	-0. 10479	0. 05199	-2. 015	0. 043856	*
Year_factor1953: Own_MARS_Rati ng	-0. 10689	0. 05187	-2. 061	0. 039349	*
Year_factor1954: Own_MARS_Rati ng	-0. 13477	0. 05169	-2. 607	0. 009124	**
Year_factor1955: Own_MARS_Rati ng	-0. 08072	0. 05295	-1. 524	0. 127421	.
Year_factor1956: Own_MARS_Rati ng	-0. 11638	0. 05144	-2. 262	0. 023681	*
Year_factor1957: Own_MARS_Rati ng	-0. 13900	0. 05237	-2. 654	0. 007952	**
Year_factor1958: Own_MARS_Rati ng	-0. 11134	0. 05310	-2. 097	0. 036025	*
Year_factor1959: Own_MARS_Rati ng	-0. 09602	0. 05317	-1. 806	0. 070953	.
Year_factor1960: Own_MARS_Rati ng	-0. 11753	0. 05199	-2. 261	0. 023774	*
Year_factor1961: Own_MARS_Rati ng	-0. 12239	0. 05239	-2. 336	0. 019481	*
Year_factor1962: Own_MARS_Rati ng	-0. 08894	0. 05265	-1. 689	0. 091143	.
Year_factor1963: Own_MARS_Rati ng	-0. 09566	0. 05205	-1. 838	0. 066054	.
Year_factor1964: Own_MARS_Rati ng	-0. 08959	0. 05221	-1. 716	0. 086189	.
Year_factor1965: Own_MARS_Rati ng	-0. 12351	0. 05105	-2. 420	0. 015535	*
Year_factor1966: Own_MARS_Rati ng	-0. 08261	0. 05250	-1. 573	0. 115617	.
Year_factor1967: Own_MARS_Rati ng	-0. 11942	0. 05094	-2. 344	0. 019054	*
Year_factor1968: Own_MARS_Rati ng	-0. 09328	0. 05166	-1. 806	0. 070960	.
Year_factor1969: Own_MARS_Rati ng	-0. 13760	0. 05082	-2. 707	0. 006782	**

Year_factor1970: Own_MARS_Rati ng	-0. 11218	0. 05146	-2. 180	0. 029277	*
Year_factor1971: Own_MARS_Rati ng	-0. 11606	0. 05096	-2. 278	0. 022747	*
Year_factor1972: Own_MARS_Rati ng	-0. 11353	0. 05085	-2. 232	0. 025583	*
Year_factor1973: Own_MARS_Rati ng	-0. 13431	0. 05059	-2. 655	0. 007930	**
Year_factor1974: Own_MARS_Rati ng	-0. 12392	0. 05084	-2. 437	0. 014794	*
Year_factor1975: Own_MARS_Rati ng	-0. 12501	0. 05086	-2. 458	0. 013965	*
Year_factor1976: Own_MARS_Rati ng	-0. 13952	0. 05149	-2. 710	0. 006737	**
Year_factor1977: Own_MARS_Rati ng	-0. 11795	0. 05115	-2. 306	0. 021123	*
Year_factor1978: Own_MARS_Rati ng	-0. 13587	0. 05081	-2. 674	0. 007489	**
Year_factor1979: Own_MARS_Rati ng	-0. 13217	0. 05077	-2. 603	0. 009239	**
Year_factor1980: Own_MARS_Rati ng	-0. 12153	0. 05079	-2. 393	0. 016709	*
Year_factor1981: Own_MARS_Rati ng	-0. 09541	0. 05153	-1. 852	0. 064096	.
Year_factor1982: Own_MARS_Rati ng	-0. 12626	0. 05062	-2. 494	0. 012619	*
Year_factor1983: Own_MARS_Rati ng	-0. 13286	0. 05070	-2. 621	0. 008779	**
Year_factor1984: Own_MARS_Rati ng	-0. 13570	0. 05076	-2. 673	0. 007513	**
Year_factor1985: Own_MARS_Rati ng	-0. 10919	0. 05136	-2. 126	0. 033494	*
Year_factor1986: Own_MARS_Rati ng	-0. 13419	0. 05052	-2. 656	0. 007900	**
Year_factor1987: Own_MARS_Rati ng	-0. 12832	0. 05072	-2. 530	0. 011405	*
Year_factor1988: Own_MARS_Rati ng	-0. 13914	0. 05061	-2. 750	0. 005968	**
Year_factor1989: Own_MARS_Rati ng	-0. 14037	0. 05060	-2. 774	0. 005535	**
Year_factor1990: Own_MARS_Rati ng	-0. 13202	0. 05050	-2. 614	0. 008943	**
Year_factor1991: Own_MARS_Rati ng	-0. 13679	0. 05019	-2. 725	0. 006424	**
Year_factor1992: Own_MARS_Rati ng	-0. 13815	0. 05017	-2. 753	0. 005896	**
Year_factor1993: Own_MARS_Rati ng	-0. 13952	0. 05034	-2. 771	0. 005582	**
Year_factor1994: Own_MARS_Rati ng	-0. 13249	0. 05043	-2. 627	0. 008615	**
Year_factor1995: Own_MARS_Rati ng	-0. 12364	0. 05055	-2. 446	0. 014455	*
Year_factor1996: Own_MARS_Rati ng	-0. 12182	0. 05061	-2. 407	0. 016077	*
Year_factor1997: Own_MARS_Rati ng	-0. 13865	0. 05096	-2. 721	0. 006512	**
Year_factor1998: Own_MARS_Rati ng	-0. 14895	0. 05109	-2. 915	0. 003552	**
Year_factor1999: Own_MARS_Rati ng	-0. 12662	0. 05108	-2. 479	0. 013186	*
Year_factor2000: Own_MARS_Rati ng	-0. 13732	0. 05052	-2. 718	0. 006566	**
Year_factor2001: Own_MARS_Rati ng	-0. 12807	0. 05045	-2. 539	0. 011131	*
Year_factor2002: Own_MARS_Rati ng	-0. 13448	0. 05069	-2. 653	0. 007982	**
Year_factor2003: Own_MARS_Rati ng	-0. 12502	0. 05070	-2. 466	0. 013672	*
Year_factor2004: Own_MARS_Rati ng	-0. 12448	0. 05061	-2. 460	0. 013912	*
Year_factor2005: Own_MARS_Rati ng	-0. 13170	0. 05072	-2. 597	0. 009413	**
Year_factor2006: Own_MARS_Rati ng	-0. 14089	0. 05055	-2. 787	0. 005318	**
Year_factor2007: Own_MARS_Rati ng	-0. 13488	0. 05068	-2. 661	0. 007788	**
Year_factor2008: Own_MARS_Rati ng	-0. 13257	0. 05050	-2. 625	0. 008656	**
Year_factor2009: Own_MARS_Rati ng	-0. 12888	0. 05054	-2. 550	0. 010777	*
Year_factor2010: Own_MARS_Rati ng	-0. 13078	0. 05047	-2. 591	0. 009568	**
Year_factor2011: Own_MARS_Rati ng	-0. 11727	0. 05054	-2. 320	0. 020316	*
Year_factor2012: Own_MARS_Rati ng	-0. 12671	0. 05028	-2. 520	0. 011730	*
Year_factor1898: Opponent_MARS_Rati ng	0. 05287	0. 05149	1. 027	0. 304562	
Year_factor1899: Opponent_MARS_Rati ng	0. 02741	0. 05430	0. 505	0. 613716	
Year_factor1900: Opponent_MARS_Rati ng	0. 04652	0. 05742	0. 810	0. 417909	
Year_factor1901: Opponent_MARS_Rati ng	0. 03157	0. 05222	0. 604	0. 545532	
Year_factor1902: Opponent_MARS_Rati ng	0. 06539	0. 04722	1. 385	0. 166141	
Year_factor1903: Opponent_MARS_Rati ng	0. 08756	0. 04687	1. 868	0. 061703	.
Year_factor1904: Opponent_MARS_Rati ng	0. 09596	0. 04830	1. 987	0. 046965	*

Year_factor1905: Opponent_MARS_Rati ng	0. 06869	0. 04875	1. 409	0. 158841
Year_factor1906: Opponent_MARS_Rati ng	0. 04721	0. 04811	0. 981	0. 326495
Year_factor1907: Opponent_MARS_Rati ng	0. 11150	0. 04738	2. 353	0. 018604 *
Year_factor1908: Opponent_MARS_Rati ng	0. 05733	0. 04921	1. 165	0. 243991
Year_factor1909: Opponent_MARS_Rati ng	0. 05828	0. 04784	1. 218	0. 223126
Year_factor1910: Opponent_MARS_Rati ng	0. 08430	0. 04625	1. 823	0. 068323 .
Year_factor1911: Opponent_MARS_Rati ng	0. 04972	0. 04848	1. 026	0. 305033
Year_factor1912: Opponent_MARS_Rati ng	0. 06075	0. 04736	1. 283	0. 199584
Year_factor1913: Opponent_MARS_Rati ng	0. 02855	0. 05136	0. 556	0. 578319
Year_factor1914: Opponent_MARS_Rati ng	0. 04958	0. 04989	0. 994	0. 320341
Year_factor1915: Opponent_MARS_Rati ng	0. 07841	0. 04796	1. 635	0. 102018
Year_factor1916: Opponent_MARS_Rati ng	0. 06442	0. 05904	1. 091	0. 275227
Year_factor1917: Opponent_MARS_Rati ng	0. 13667	0. 05527	2. 473	0. 013402 *
Year_factor1918: Opponent_MARS_Rati ng	0. 04896	0. 05075	0. 965	0. 334645
Year_factor1919: Opponent_MARS_Rati ng	0. 06978	0. 04721	1. 478	0. 139408
Year_factor1920: Opponent_MARS_Rati ng	0. 08536	0. 04674	1. 826	0. 067791 .
Year_factor1921: Opponent_MARS_Rati ng	0. 08934	0. 04705	1. 899	0. 057561 .
Year_factor1922: Opponent_MARS_Rati ng	0. 09784	0. 05042	1. 940	0. 052344 .
Year_factor1923: Opponent_MARS_Rati ng	0. 12927	0. 04900	2. 638	0. 008335 **
Year_factor1924: Opponent_MARS_Rati ng	0. 09409	0. 04933	1. 907	0. 056470 .
Year_factor1925: Opponent_MARS_Rati ng	0. 05697	0. 04782	1. 191	0. 233486
Year_factor1926: Opponent_MARS_Rati ng	0. 05755	0. 04712	1. 221	0. 221909
Year_factor1927: Opponent_MARS_Rati ng	0. 07810	0. 04584	1. 704	0. 088429 .
Year_factor1928: Opponent_MARS_Rati ng	0. 07964	0. 04602	1. 731	0. 083511 .
Year_factor1929: Opponent_MARS_Rati ng	0. 03733	0. 04799	0. 778	0. 436636
Year_factor1930: Opponent_MARS_Rati ng	0. 07231	0. 04599	1. 572	0. 115905
Year_factor1931: Opponent_MARS_Rati ng	0. 07375	0. 04601	1. 603	0. 108953
Year_factor1932: Opponent_MARS_Rati ng	0. 06245	0. 04603	1. 357	0. 174841
Year_factor1933: Opponent_MARS_Rati ng	0. 07455	0. 04625	1. 612	0. 106967
Year_factor1934: Opponent_MARS_Rati ng	0. 03257	0. 04815	0. 677	0. 498695
Year_factor1935: Opponent_MARS_Rati ng	0. 06553	0. 04657	1. 407	0. 159330
Year_factor1936: Opponent_MARS_Rati ng	0. 06216	0. 04584	1. 356	0. 175109
Year_factor1937: Opponent_MARS_Rati ng	0. 06638	0. 04669	1. 422	0. 155096
Year_factor1938: Opponent_MARS_Rati ng	0. 09180	0. 04567	2. 010	0. 044431 *
Year_factor1939: Opponent_MARS_Rati ng	0. 06524	0. 04694	1. 390	0. 164587
Year_factor1940: Opponent_MARS_Rati ng	0. 07178	0. 04694	1. 529	0. 126201
Year_factor1941: Opponent_MARS_Rati ng	0. 06318	0. 04667	1. 354	0. 175783
Year_factor1942: Opponent_MARS_Rati ng	0. 07385	0. 04715	1. 566	0. 117296
Year_factor1943: Opponent_MARS_Rati ng	0. 09870	0. 04660	2. 118	0. 034161 *
Year_factor1944: Opponent_MARS_Rati ng	0. 06837	0. 04677	1. 462	0. 143751
Year_factor1945: Opponent_MARS_Rati ng	0. 07074	0. 04594	1. 540	0. 123651
Year_factor1946: Opponent_MARS_Rati ng	0. 08985	0. 04551	1. 974	0. 048361 *
Year_factor1947: Opponent_MARS_Rati ng	0. 08428	0. 04569	1. 844	0. 065126 .
Year_factor1948: Opponent_MARS_Rati ng	0. 09104	0. 04535	2. 007	0. 044706 *
Year_factor1949: Opponent_MARS_Rati ng	0. 07550	0. 04588	1. 646	0. 099798 .
Year_factor1950: Opponent_MARS_Rati ng	0. 05730	0. 04730	1. 211	0. 225809
Year_factor1951: Opponent_MARS_Rati ng	0. 07990	0. 04611	1. 733	0. 083134 .
Year_factor1952: Opponent_MARS_Rati ng	0. 10170	0. 04597	2. 212	0. 026953 *
Year_factor1953: Opponent_MARS_Rati ng	0. 08056	0. 04597	1. 753	0. 079652 .
Year_factor1954: Opponent_MARS_Rati ng	0. 09081	0. 04619	1. 966	0. 049313 *

Year_factor1955: Opponent_MARS_Rati ng	0. 07188	0. 04674	1. 538	0. 124099
Year_factor1956: Opponent_MARS_Rati ng	0. 06747	0. 04632	1. 457	0. 145186
Year_factor1957: Opponent_MARS_Rati ng	0. 11125	0. 04685	2. 375	0. 017561 *
Year_factor1958: Opponent_MARS_Rati ng	0. 09580	0. 04673	2. 050	0. 040367 *
Year_factor1959: Opponent_MARS_Rati ng	0. 07941	0. 04722	1. 682	0. 092648 .
Year_factor1960: Opponent_MARS_Rati ng	0. 07027	0. 04672	1. 504	0. 132575
Year_factor1961: Opponent_MARS_Rati ng	0. 08752	0. 04643	1. 885	0. 059471 .
Year_factor1962: Opponent_MARS_Rati ng	0. 08868	0. 04639	1. 911	0. 055958 .
Year_factor1963: Opponent_MARS_Rati ng	0. 07944	0. 04618	1. 720	0. 085414 .
Year_factor1964: Opponent_MARS_Rati ng	0. 05201	0. 04695	1. 108	0. 267957
Year_factor1965: Opponent_MARS_Rati ng	0. 09471	0. 04549	2. 082	0. 037361 *
Year_factor1966: Opponent_MARS_Rati ng	0. 04616	0. 04747	0. 972	0. 330879
Year_factor1967: Opponent_MARS_Rati ng	0. 08572	0. 04539	1. 889	0. 058951 .
Year_factor1968: Opponent_MARS_Rati ng	0. 08128	0. 04576	1. 776	0. 075705 .
Year_factor1969: Opponent_MARS_Rati ng	0. 08481	0. 04543	1. 867	0. 061929 .
Year_factor1970: Opponent_MARS_Rati ng	0. 09763	0. 04582	2. 131	0. 033109 *
Year_factor1971: Opponent_MARS_Rati ng	0. 07388	0. 04537	1. 628	0. 103474
Year_factor1972: Opponent_MARS_Rati ng	0. 08255	0. 04517	1. 828	0. 067594 .
Year_factor1973: Opponent_MARS_Rati ng	0. 08694	0. 04516	1. 925	0. 054193 .
Year_factor1974: Opponent_MARS_Rati ng	0. 09361	0. 04521	2. 071	0. 038383 *
Year_factor1975: Opponent_MARS_Rati ng	0. 10378	0. 04509	2. 302	0. 021339 *
Year_factor1976: Opponent_MARS_Rati ng	0. 08910	0. 04573	1. 949	0. 051350 .
Year_factor1977: Opponent_MARS_Rati ng	0. 08505	0. 04551	1. 869	0. 061663 .
Year_factor1978: Opponent_MARS_Rati ng	0. 09940	0. 04518	2. 200	0. 027809 *
Year_factor1979: Opponent_MARS_Rati ng	0. 07490	0. 04550	1. 646	0. 099743 .
Year_factor1980: Opponent_MARS_Rati ng	0. 08494	0. 04519	1. 880	0. 060144 .
Year_factor1981: Opponent_MARS_Rati ng	0. 06348	0. 04598	1. 381	0. 167405
Year_factor1982: Opponent_MARS_Rati ng	0. 08346	0. 04512	1. 850	0. 064369 .
Year_factor1983: Opponent_MARS_Rati ng	0. 10149	0. 04505	2. 253	0. 024260 *
Year_factor1984: Opponent_MARS_Rati ng	0. 09794	0. 04514	2. 170	0. 030041 *
Year_factor1985: Opponent_MARS_Rati ng	0. 09351	0. 04526	2. 066	0. 038825 *
Year_factor1986: Opponent_MARS_Rati ng	0. 09677	0. 04493	2. 154	0. 031271 *
Year_factor1987: Opponent_MARS_Rati ng	0. 09053	0. 04496	2. 014	0. 044024 *
Year_factor1988: Opponent_MARS_Rati ng	0. 09491	0. 04494	2. 112	0. 034671 *
Year_factor1989: Opponent_MARS_Rati ng	0. 08807	0. 04495	1. 959	0. 050088 .
Year_factor1990: Opponent_MARS_Rati ng	0. 09443	0. 04486	2. 105	0. 035285 *
Year_factor1991: Opponent_MARS_Rati ng	0. 09533	0. 04457	2. 139	0. 032447 *
Year_factor1992: Opponent_MARS_Rati ng	0. 09452	0. 04452	2. 123	0. 033740 *
Year_factor1993: Opponent_MARS_Rati ng	0. 08388	0. 04518	1. 857	0. 063358 .
Year_factor1994: Opponent_MARS_Rati ng	0. 10555	0. 04478	2. 357	0. 018424 *
Year_factor1995: Opponent_MARS_Rati ng	0. 09830	0. 04486	2. 191	0. 028451 *
Year_factor1996: Opponent_MARS_Rati ng	0. 08009	0. 04531	1. 768	0. 077118 .
Year_factor1997: Opponent_MARS_Rati ng	0. 11067	0. 04552	2. 432	0. 015034 *
Year_factor1998: Opponent_MARS_Rati ng	0. 09404	0. 04569	2. 058	0. 039579 *
Year_factor1999: Opponent_MARS_Rati ng	0. 08760	0. 04559	1. 921	0. 054686 .
Year_factor2000: Opponent_MARS_Rati ng	0. 07644	0. 04521	1. 691	0. 090867 .
Year_factor2001: Opponent_MARS_Rati ng	0. 09757	0. 04471	2. 182	0. 029102 *
Year_factor2002: Opponent_MARS_Rati ng	0. 09323	0. 04506	2. 069	0. 038544 *
Year_factor2003: Opponent_MARS_Rati ng	0. 08627	0. 04513	1. 911	0. 055942 .
Year_factor2004: Opponent_MARS_Rati ng	0. 10120	0. 04494	2. 252	0. 024327 *

Year_factor2005: Opponent_MARS_Rati ng	0.09458	0.04508	2.098	0.035893 *
Year_factor2006: Opponent_MARS_Rati ng	0.08710	0.04501	1.935	0.053000 .
Year_factor2007: Opponent_MARS_Rati ng	0.08502	0.04528	1.878	0.060437 .
Year_factor2008: Opponent_MARS_Rati ng	0.08902	0.04495	1.980	0.047670 *
Year_factor2009: Opponent_MARS_Rati ng	0.07754	0.04503	1.722	0.085066 .
Year_factor2010: Opponent_MARS_Rati ng	0.09551	0.04479	2.132	0.032981 *
Year_factor2011: Opponent_MARS_Rati ng	0.06891	0.04504	1.530	0.126022
Year_factor2012: Opponent_MARS_Rati ng	0.08054	0.04474	1.800	0.071814 .

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 18891 on 14014 degrees of freedom
 Residual deviance: 15418 on 13667 degrees of freedom
 AIC: 16114

Number of Fisher Scoring iterations: 6