

## Appendix A

<b>Year</b>	<b>Galic</b>	<b>zTotalFertility(R)</b>	<b>zInfantMortality(R)</b>	<b>zLifeExpectancy</b>	<b>zSlowLHWords</b>	<b>zFastLHWords(R)</b>	<b>zSlowLHFactor</b>	<b>MeanSquares(Traits)</b>
1800	0	-1.814	-0.021	-1.018	-1.064	-1.383	-1.060	0.438
1801	0	-1.733	-0.183	-1.036	-0.952	-1.836	-1.148	0.450
1802	0	-1.875	0.122	-1.019	-1.237	-0.983	-0.998	0.520
1803	0	-1.935	-0.110	-1.037	-0.955	-1.493	-1.106	0.464
1804	0	-1.939	0.014	-0.980	-1.100	-1.067	-1.014	0.481
1805	0	-1.914	0.029	-0.968	-1.100	-1.256	-1.042	0.491
1806	0	-1.897	-0.158	-0.956	-0.813	-1.773	-1.119	0.519
1807	0	-1.885	-0.031	-0.999	-0.999	-1.354	-1.054	0.458
1808	0	-1.870	-0.200	-0.995	-0.940	-2.289	-1.259	0.682
1809	0	-1.833	-0.066	-0.976	-0.906	-1.741	-1.104	0.518
1810	0	-1.854	-0.130	-1.022	-0.911	-1.641	-1.112	0.460
1811	0	-1.864	-0.048	-1.001	-0.990	-1.768	-1.134	0.538
1812	0	-1.835	-0.101	-0.975	-0.976	-1.832	-1.144	0.523
1813	0	-1.860	-0.120	-0.958	-0.884	-1.523	-1.069	0.445
1814	0	-1.858	-0.040	-0.996	-0.998	-1.471	-1.073	0.463
1815	0	-1.970	-0.049	-0.984	-1.036	-1.534	-1.115	0.517
1816	0	-1.906	-0.067	-1.001	-0.982	-1.484	-1.088	0.471
1817	0	-1.893	-0.100	-0.985	-0.855	-1.429	-1.052	0.450
1818	0	-1.858	-0.034	-1.002	-0.867	-1.150	-0.982	0.427
1819	0	-1.835	-0.024	-0.992	-0.952	-1.277	-1.016	0.432
1820	0	-1.820	0.014	-0.982	-1.155	-1.756	-1.140	0.550
1821	0	-1.848	-0.057	-0.975	-0.889	-1.372	-1.028	0.439
1822	0	-1.872	-0.011	-0.981	-1.079	-1.599	-1.109	0.511
1823	0	-1.837	-0.119	-0.999	-1.014	-1.758	-1.145	0.487
1824	0	-1.808	-0.220	-1.011	-0.737	-1.932	-1.142	0.525
1825	0	-1.796	-0.075	-1.000	-0.949	-1.673	-1.098	0.474
1826	0	-1.783	-0.003	-1.002	-1.011	-1.434	-1.047	0.446
1827	0	-1.714	-0.016	-0.984	-0.977	-1.525	-1.043	0.437
1828	0	-1.737	-0.003	-0.972	-0.950	-1.656	-1.064	0.488
1829	0	-1.650	-0.100	-0.978	-0.834	-1.495	-1.011	0.376
1830	0	-1.637	-0.227	-0.958	-0.480	-1.780	-1.016	0.471
1831	0	-1.619	-0.133	-0.988	-0.703	-1.512	-0.991	0.371
1832	0	-1.608	-0.105	-0.995	-0.766	-1.560	-1.007	0.385
1833	0	-1.646	-0.267	-0.977	-0.577	-1.836	-1.061	0.453
1834	0	-1.615	-0.183	-0.983	-0.676	-1.657	-1.023	0.395
1835	0	-1.594	-0.209	-0.977	-0.633	-1.633	-1.009	0.378
1836	0	-1.592	-0.147	-0.971	-0.684	-1.579	-0.995	0.378
1837	0	-1.567	-0.177	-0.986	-0.725	-1.735	-1.038	0.402
1838	0	-1.556	-0.116	-0.983	-0.720	-1.575	-0.990	0.375

1839	0	-1.579	-0.185	-0.973	-0.729	-1.777	<b>-1.049</b>	<b>0.416</b>
1840	0	-1.565	-0.149	-0.985	-0.534	-1.467	<b>-0.940</b>	<b>0.365</b>
1841	0	-1.552	-0.153	-0.959	-0.669	-1.552	<b>-0.977</b>	<b>0.359</b>
1842	0	-1.531	-0.136	-0.963	-0.583	-1.504	<b>-0.943</b>	<b>0.360</b>
1843	0	-1.521	-0.103	-0.954	-0.563	-1.413	<b>-0.911</b>	<b>0.350</b>
1844	0	-1.515	-0.197	-0.958	-0.631	-1.608	<b>-0.982</b>	<b>0.354</b>
1845	0	-1.490	-0.152	-0.943	-0.562	-1.594	<b>-0.948</b>	<b>0.373</b>
1846	0	-1.511	-0.183	-0.977	-0.569	-1.450	<b>-0.938</b>	<b>0.324</b>
1847	0	-1.436	-0.202	-0.999	-0.519	-1.387	<b>-0.908</b>	<b>0.292</b>
1848	0	-1.454	-0.210	-0.982	-0.440	-1.460	<b>-0.909</b>	<b>0.329</b>
1849	0	-1.461	-0.149	-1.010	-0.443	-1.258	<b>-0.864</b>	<b>0.305</b>
1850	0	-1.465	-0.145	-0.935	-0.404	-1.463	<b>-0.882</b>	<b>0.363</b>
1851	0	-1.498	-0.203	-0.952	-0.348	-1.317	<b>-0.864</b>	<b>0.330</b>
1852	0	-1.434	-0.239	-0.958	-0.335	-1.428	<b>-0.879</b>	<b>0.330</b>
1853	0	-1.469	-0.252	-0.963	-0.422	-1.707	<b>-0.962</b>	<b>0.402</b>
1854	0	-1.457	-0.190	-0.979	-0.437	-1.453	<b>-0.903</b>	<b>0.335</b>
1855	0	-1.544	-0.187	-0.955	-0.444	-1.285	<b>-0.883</b>	<b>0.320</b>
1856	0	-1.498	-0.182	-0.924	-0.361	-1.488	<b>-0.890</b>	<b>0.377</b>
1857	0	-1.627	-0.197	-0.942	-0.342	-1.396	<b>-0.901</b>	<b>0.396</b>
1858	0	-1.585	-0.190	-0.966	-0.327	-1.275	<b>-0.869</b>	<b>0.360</b>
1859	0	-1.598	-0.262	-0.954	-0.196	-1.335	<b>-0.869</b>	<b>0.395</b>
1860	0	-1.588	-0.190	-0.924	-0.226	-1.488	<b>-0.883</b>	<b>0.444</b>
1861	0	-1.604	-0.272	-0.951	-0.275	-1.436	<b>-0.908</b>	<b>0.393</b>
1862	0	-1.554	0.251	-0.996	-0.193	-1.443	<b>-0.787</b>	<b>0.624</b>
1863	0	-1.473	-0.277	-1.030	-0.305	-1.280	<b>-0.873</b>	<b>0.307</b>
1864	0	-1.579	-0.393	-1.076	-0.185	-1.379	<b>-0.923</b>	<b>0.372</b>
1865	0	-1.606	-0.228	-0.970	-0.188	-1.385	<b>-0.875</b>	<b>0.424</b>
1866	0	-1.569	-0.062	-0.952	-0.246	-1.205	<b>-0.807</b>	<b>0.407</b>
1867	0	-1.550	-0.029	-0.921	-0.083	-1.195	<b>-0.756</b>	<b>0.458</b>
1868	0	-1.540	0.004	-0.928	-0.066	-1.293	<b>-0.765</b>	<b>0.496</b>
1869	0	-1.432	-0.029	-0.931	-0.064	-1.377	<b>-0.767</b>	<b>0.470</b>
1870	0	-1.438	-0.095	-0.940	0.010	-1.263	<b>-0.745</b>	<b>0.445</b>
1871	0	-1.346	0.045	-0.920	-0.027	-1.594	<b>-0.769</b>	<b>0.562</b>
1872	0	-1.290	-0.211	-0.882	0.162	-1.321	<b>-0.708</b>	<b>0.437</b>
1873	0	-1.290	-0.244	-0.854	0.216	-1.228	<b>-0.680</b>	<b>0.424</b>
1874	0	-1.296	-0.343	-0.860	0.128	-1.389	<b>-0.752</b>	<b>0.414</b>
1875	0	-1.269	-0.599	-0.847	0.036	-1.315	<b>-0.799</b>	<b>0.306</b>
1876	0	-1.303	-0.244	-0.806	0.104	-1.219	<b>-0.694</b>	<b>0.374</b>
1877	0	-1.257	-0.211	-0.776	0.223	-1.054	<b>-0.615</b>	<b>0.374</b>
1878	0	-1.280	-0.186	-0.783	0.273	-1.001	<b>-0.595</b>	<b>0.397</b>
1879	0	-1.226	-0.244	-0.749	0.282	-1.058	<b>-0.599</b>	<b>0.382</b>
1880	0	-1.207	-0.145	-0.740	0.163	-1.121	<b>-0.610</b>	<b>0.362</b>

1881	0	-1.111	-0.129	-0.684	0.207	-1.096	<b>-0.563</b>	<b>0.345</b>
1882	0	-1.049	-0.252	-0.679	0.316	-1.148	<b>-0.562</b>	<b>0.365</b>
1883	0	-1.007	-0.269	-0.654	0.253	-1.317	<b>-0.599</b>	<b>0.380</b>
1884	0	-0.995	-0.095	-0.636	0.350	-1.055	<b>-0.486</b>	<b>0.364</b>
1885	0	-0.930	-0.203	-0.601	0.373	-0.973	<b>-0.467</b>	<b>0.316</b>
1886	0	-0.866	-0.261	-0.585	0.494	-0.838	<b>-0.411</b>	<b>0.315</b>
1887	0	-0.820	-0.145	-0.559	0.483	-1.151	<b>-0.438</b>	<b>0.401</b>
1888	0	-0.768	0.045	-0.521	0.544	-1.096	<b>-0.359</b>	<b>0.429</b>
1889	0	-0.695	-0.153	-0.505	0.470	-1.035	<b>-0.384</b>	<b>0.329</b>
1890	0	-0.668	0.053	-0.505	0.588	-1.052	<b>-0.317</b>	<b>0.414</b>
1891	0	-0.622	-0.112	-0.493	0.706	-1.191	<b>-0.343</b>	<b>0.494</b>
1892	0	-0.556	-0.021	-0.453	0.558	-1.110	<b>-0.316</b>	<b>0.389</b>
1893	0	-0.508	-0.095	-0.438	0.682	-1.068	<b>-0.285</b>	<b>0.415</b>
1894	0	-0.429	0.061	-0.368	0.775	-1.028	<b>-0.198</b>	<b>0.447</b>
1895	0	-0.387	0.028	-0.380	0.509	-1.044	<b>-0.255</b>	<b>0.330</b>
1896	0	-0.304	0.012	-0.334	0.675	-1.140	<b>-0.218</b>	<b>0.431</b>
1897	0	-0.275	0.128	-0.314	0.825	-1.099	<b>-0.147</b>	<b>0.493</b>
1898	0	-0.223	-0.129	-0.294	0.715	-1.071	<b>-0.200</b>	<b>0.403</b>
1899	0	-0.198	-0.162	-0.282	0.793	-1.405	<b>-0.251</b>	<b>0.609</b>
1900	0	-0.196	-0.404	-0.257	0.718	-1.274	<b>-0.283</b>	<b>0.502</b>
1901	0	-0.200	-0.294	-0.212	0.701	-1.168	<b>-0.235</b>	<b>0.438</b>
1902	0	-0.167	-0.206	-0.161	0.837	-0.983	<b>-0.136</b>	<b>0.417</b>
1903	0	-0.140	-0.206	-0.122	0.812	-1.187	<b>-0.169</b>	<b>0.501</b>
1904	0	-0.169	0.141	-0.135	0.909	-1.245	<b>-0.100</b>	<b>0.599</b>
1905	0	-0.161	0.351	-0.083	0.801	-0.871	<b>0.007</b>	<b>0.389</b>
1906	0	-0.113	0.075	-0.071	0.846	-0.984	<b>-0.049</b>	<b>0.424</b>
1907	0	-0.109	0.185	-0.040	0.857	-0.746	<b>0.030</b>	<b>0.334</b>
1908	0	-0.103	-0.365	0.008	1.028	-0.834	<b>-0.053</b>	<b>0.471</b>
1909	0	-0.084	0.086	0.048	1.122	-0.844	<b>0.066</b>	<b>0.491</b>
1910	0	-0.038	-0.156	0.073	1.141	-0.847	<b>0.035</b>	<b>0.511</b>
1911	0	-0.051	-0.112	0.080	1.295	-0.814	<b>0.080</b>	<b>0.582</b>
1912	0	-0.051	0.026	0.150	1.460	-0.659	<b>0.185</b>	<b>0.605</b>
1913	0	-0.036	-0.057	0.152	1.429	-0.690	<b>0.160</b>	<b>0.604</b>
1914	0	-0.009	0.031	0.161	1.524	-0.555	<b>0.230</b>	<b>0.598</b>
1915	0	0.081	0.092	0.135	1.639	-0.478	<b>0.294</b>	<b>0.629</b>
1916	0	0.162	0.015	0.136	1.554	-0.558	<b>0.262</b>	<b>0.607</b>
1917	0	0.284	0.268	0.124	1.629	-0.810	<b>0.299</b>	<b>0.758</b>
1918	0	0.374	0.240	-0.315	1.644	-0.715	<b>0.246</b>	<b>0.802</b>
1919	0	0.382	0.180	0.297	1.738	-0.681	<b>0.383</b>	<b>0.754</b>
1920	0	0.130	0.031	0.352	1.605	-0.666	<b>0.290</b>	<b>0.685</b>
1921	0	0.259	0.400	0.434	1.683	-0.476	<b>0.460</b>	<b>0.604</b>
1922	0	0.345	0.505	0.447	1.700	-0.591	<b>0.481</b>	<b>0.664</b>

1923	0	0.447	0.444	0.460	1.468	-0.781	<b>0.408</b>	<b>0.636</b>
1924	0	0.490	0.538	0.499	1.522	-0.779	<b>0.454</b>	<b>0.668</b>
1925	0	0.540	0.543	0.526	1.427	-0.793	<b>0.449</b>	<b>0.631</b>
1926	0	0.530	0.488	0.517	1.542	-0.611	<b>0.493</b>	<b>0.581</b>
1927	0	0.596	0.516	0.544	1.671	-0.727	<b>0.520</b>	<b>0.722</b>
1928	0	0.630	0.582	0.548	1.485	-0.506	<b>0.548</b>	<b>0.499</b>
1929	0	0.698	0.593	0.520	1.701	-0.699	<b>0.562</b>	<b>0.727</b>
1930	0	0.704	0.620	0.622	1.541	-0.643	<b>0.569</b>	<b>0.610</b>
1931	0	0.773	0.681	0.652	1.544	-0.667	<b>0.597</b>	<b>0.634</b>
1932	0	0.873	0.742	0.694	1.585	-0.543	<b>0.670</b>	<b>0.589</b>
1933	0	0.956	0.726	0.711	1.537	-0.547	<b>0.677</b>	<b>0.580</b>
1934	0	0.975	0.681	0.714	1.550	-0.604	<b>0.663</b>	<b>0.623</b>
1935	0	0.992	0.718	0.738	1.507	-0.530	<b>0.685</b>	<b>0.562</b>
1936	0	0.969	0.726	0.739	1.382	-0.433	<b>0.677</b>	<b>0.455</b>
1937	0	0.946	0.714	0.744	1.616	-0.442	<b>0.716</b>	<b>0.551</b>
1938	0	0.912	0.735	0.815	1.548	-0.376	<b>0.727</b>	<b>0.483</b>
1939	0	0.894	0.797	0.841	1.520	-0.250	<b>0.760</b>	<b>0.406</b>
1940	0	0.817	0.821	0.822	1.617	-0.211	<b>0.773</b>	<b>0.422</b>
1941	0	0.748	0.805	0.836	1.628	-0.142	<b>0.775</b>	<b>0.393</b>
1942	0	0.698	0.875	0.898	1.594	-0.259	<b>0.761</b>	<b>0.443</b>
1943	0	0.673	0.892	0.906	1.575	-0.420	<b>0.725</b>	<b>0.524</b>
1944	0	0.573	0.908	0.966	1.545	-0.507	<b>0.697</b>	<b>0.575</b>
1945	0	0.549	0.945	1.012	1.382	-0.465	<b>0.685</b>	<b>0.500</b>
1946	0	0.264	0.978	1.032	1.374	-0.557	<b>0.618</b>	<b>0.595</b>
1947	0	0.135	1.007	1.055	1.505	-0.260	<b>0.688</b>	<b>0.528</b>
1948	0	0.276	1.040	1.104	1.325	-0.171	<b>0.715</b>	<b>0.402</b>
1949	0	0.318	1.048	1.119	1.590	-0.082	<b>0.799</b>	<b>0.450</b>
1950	0	0.347	1.065	1.143	1.327	-0.148	<b>0.747</b>	<b>0.389</b>
1951	0	0.378	1.082	1.137	1.332	-0.255	<b>0.735</b>	<b>0.436</b>
1952	0	0.301	1.100	1.169	1.387	-0.195	<b>0.752</b>	<b>0.450</b>
1953	0	0.257	1.116	1.202	1.443	-0.226	<b>0.758</b>	<b>0.503</b>
1954	0	0.207	1.132	1.233	1.339	-0.255	<b>0.731</b>	<b>0.507</b>
1955	0	0.168	1.145	1.240	1.385	-0.235	<b>0.741</b>	<b>0.527</b>
1956	0	0.141	1.157	1.247	1.312	-0.213	<b>0.729</b>	<b>0.506</b>
1957	0	0.078	1.167	1.241	1.310	-0.119	<b>0.736</b>	<b>0.484</b>
1958	0	0.062	1.176	1.273	1.402	-0.105	<b>0.762</b>	<b>0.521</b>
1959	0	0.033	1.185	1.271	1.340	0.000	<b>0.766</b>	<b>0.471</b>
1960	0	0.026	1.195	1.290	1.312	-0.013	<b>0.762</b>	<b>0.477</b>
1961	0	-0.009	1.204	1.295	1.278	-0.086	<b>0.736</b>	<b>0.514</b>
1962	0	0.045	1.215	1.295	1.341	0.041	<b>0.787</b>	<b>0.464</b>
1963	0	0.101	1.226	1.294	1.296	0.080	<b>0.799</b>	<b>0.419</b>
1964	0	0.218	1.237	1.309	1.332	0.112	<b>0.842</b>	<b>0.384</b>

1965	0	0.372	1.247	1.315	1.276	0.102	<b>0.862</b>	<b>0.335</b>
1966	0	0.455	1.256	1.312	1.248	0.143	<b>0.883</b>	<b>0.297</b>
1967	0	0.553	1.264	1.337	1.331	0.115	<b>0.920</b>	<b>0.311</b>
1968	0	0.588	1.273	1.319	1.329	0.034	<b>0.909</b>	<b>0.336</b>
1969	0	0.623	1.280	1.335	1.485	0.024	<b>0.949</b>	<b>0.377</b>
1970	0	0.688	1.289	1.337	1.492	-0.062	<b>0.949</b>	<b>0.413</b>
1971	0	0.713	1.297	1.364	1.574	0.092	<b>1.008</b>	<b>0.364</b>
1972	0	0.840	1.308	1.370	1.627	0.088	<b>1.047</b>	<b>0.368</b>
1973	0	0.964	1.319	1.380	1.499	0.141	<b>1.061</b>	<b>0.304</b>
1974	0	1.054	1.330	1.391	1.505	0.155	<b>1.087</b>	<b>0.299</b>
1975	0	1.133	1.342	1.423	1.588	0.231	<b>1.144</b>	<b>0.287</b>
1976	0	1.191	1.355	1.436	1.477	0.147	<b>1.121</b>	<b>0.309</b>
1977	0	1.227	1.366	1.457	1.657	0.136	<b>1.168</b>	<b>0.358</b>
1978	0	1.279	1.376	1.481	1.496	0.137	<b>1.154</b>	<b>0.331</b>
1979	0	1.279	1.387	1.501	1.466	0.176	<b>1.162</b>	<b>0.311</b>
1980	0	1.303	1.397	1.509	1.539	0.135	<b>1.177</b>	<b>0.347</b>
1981	0	1.295	1.405	1.540	1.566	0.130	<b>1.187</b>	<b>0.361</b>
1982	0	1.308	1.411	1.547	1.483	0.145	<b>1.179</b>	<b>0.342</b>
1983	0	1.310	1.418	1.569	1.379	0.123	<b>1.160</b>	<b>0.345</b>
1984	0	1.318	1.423	1.594	1.466	0.140	<b>1.188</b>	<b>0.353</b>
1985	0	1.297	1.428	1.577	1.406	0.109	<b>1.163</b>	<b>0.357</b>
1986	0	1.306	1.432	1.596	1.374	0.049	<b>1.151</b>	<b>0.391</b>
1987	0	1.293	1.437	1.610	1.378	0.005	<b>1.145</b>	<b>0.419</b>
1988	0	1.276	1.442	1.617	1.399	-0.019	<b>1.143</b>	<b>0.437</b>
1989	0	1.262	1.448	1.631	1.397	-0.023	<b>1.143</b>	<b>0.442</b>
1990	0	1.224	1.454	1.659	1.460	-0.043	<b>1.151</b>	<b>0.469</b>
1991	0	1.247	1.461	1.677	1.435	-0.124	<b>1.139</b>	<b>0.522</b>
1992	0	1.252	1.467	1.692	1.407	-0.074	<b>1.149</b>	<b>0.492</b>
1993	0	1.285	1.473	1.702	1.545	-0.122	<b>1.177</b>	<b>0.549</b>
1994	0	1.308	1.477	1.714	1.609	-0.113	<b>1.199</b>	<b>0.561</b>
1995	0	1.322	1.482	1.725	1.621	-0.137	<b>1.203</b>	<b>0.583</b>
1996	0	1.347	1.485	1.744	1.652	-0.158	<b>1.214</b>	<b>0.612</b>
1997	0	1.370	1.488	1.763	1.655	-0.169	<b>1.221</b>	<b>0.627</b>
1998	0	1.399	1.490	1.782	1.704	-0.185	<b>1.238</b>	<b>0.657</b>
1999	0	1.399	1.491	1.794	1.651	-0.214	<b>1.224</b>	<b>0.669</b>
1800	1	-0.816	-1.925	-1.228	-1.532	0.509	<b>-0.998</b>	<b>0.878</b>
1801	1	-0.774	-1.742	-1.064	-1.571	0.684	<b>-0.893</b>	<b>1.064</b>
1802	1	-0.733	-1.957	-1.200	-1.226	0.664	<b>-0.890</b>	<b>0.975</b>
1803	1	-0.691	-2.042	-1.455	-1.492	0.760	<b>-0.984</b>	<b>1.052</b>
1804	1	-0.650	-2.130	-1.541	-1.486	0.365	<b>-1.088</b>	<b>0.514</b>
1805	1	-0.608	-1.699	-1.165	-1.569	0.639	<b>-0.881</b>	<b>0.777</b>
1806	1	-0.558	-1.748	-1.157	-1.592	0.453	<b>-0.920</b>	<b>0.511</b>

1807	1	-0.516	-1.762	-1.212	-1.595	0.979	-0.821	1.118
1808	1	-0.475	-1.680	-1.191	-1.562	0.932	-0.795	0.989
1809	1	-0.433	-1.783	-1.157	-1.520	0.572	-0.864	0.505
1810	1	-0.392	-1.666	-0.993	-1.553	0.222	-0.876	0.188
1811	1	-0.383	-1.474	-1.082	-1.374	1.112	-0.640	1.118
1812	1	-0.383	-1.920	-1.383	-1.528	0.750	-0.893	0.642
1813	1	-0.375	-1.902	-1.417	-1.611	0.738	-0.913	0.619
1814	1	-0.375	-2.011	-1.492	-1.361	0.634	-0.921	0.509
1815	1	-0.367	-1.630	-1.055	-1.349	0.582	-0.764	0.450
1816	1	-0.358	-1.428	-0.813	-1.443	0.415	-0.725	0.299
1817	1	-0.358	-1.461	-0.872	-1.514	0.519	-0.737	0.385
1818	1	-0.350	-1.488	-0.916	-1.514	0.374	-0.779	0.262
1819	1	-0.350	-1.529	-1.004	-1.482	0.572	-0.758	0.425
1820	1	-0.342	-1.474	-0.870	-1.509	0.161	-0.807	0.126
1821	1	-0.333	-1.388	-0.827	-1.583	-0.042	-0.835	0.042
1822	1	-0.325	-1.528	-0.932	-1.515	0.161	-0.828	0.118
1823	1	-0.308	-1.277	-0.818	-1.581	0.158	-0.765	0.109
1824	1	-0.300	-1.422	-0.874	-1.636	0.126	-0.821	0.091
1825	1	-0.292	-1.514	-0.916	-1.627	0.104	-0.849	0.078
1826	1	-0.283	-1.507	-0.969	-1.539	0.219	-0.816	0.126
1827	1	-0.275	-1.403	-0.860	-1.499	0.358	-0.736	0.200
1828	1	-0.258	-1.473	-0.984	-1.552	0.305	-0.793	0.159
1829	1	-0.250	-1.353	-0.859	-1.510	0.359	-0.723	0.186
1830	1	-0.242	-1.417	-0.846	-1.479	0.337	-0.729	0.168
1831	1	-0.225	-1.301	-0.840	-1.438	0.438	-0.673	0.220
1832	1	-0.217	-1.417	-1.102	-1.324	0.455	-0.721	0.226
1833	1	-0.200	-1.301	-0.896	-1.318	0.121	-0.719	0.052
1834	1	-0.184	-1.863	-1.157	-1.329	0.318	-0.843	0.126
1835	1	-0.175	-1.301	-0.851	-1.396	0.174	-0.710	0.061
1836	1	-0.159	-1.186	-0.682	-1.447	0.515	-0.592	0.227
1837	1	-0.142	-1.202	-0.858	-1.147	0.556	-0.559	0.244
1838	1	-0.134	-1.219	-0.861	-1.304	0.616	-0.580	0.281
1839	1	-0.117	-1.054	-0.753	-1.096	0.597	-0.485	0.255
1840	1	-0.109	-1.087	-0.790	-1.025	0.738	-0.455	0.359
1841	1	-0.100	-1.021	-0.769	-1.002	0.654	-0.448	0.285
1842	1	-0.092	-1.169	-0.815	-1.231	0.580	-0.545	0.226
1843	1	-0.084	-1.004	-0.764	-0.965	0.772	-0.409	0.366
1844	1	-0.084	-0.955	-0.659	-0.989	0.703	-0.397	0.310
1845	1	-0.075	-0.789	-0.571	-1.062	0.757	-0.348	0.347
1846	1	-0.067	-1.235	-0.770	-0.680	0.622	-0.426	0.238
1847	1	-0.067	-1.037	-0.788	-0.919	0.839	-0.394	0.410
1848	1	-0.059	-1.054	-0.796	-0.362	0.503	-0.353	0.158

1849	1	-0.051	-1.268	-1.095	-0.628	0.642	<b>-0.480</b>	<b>0.240</b>
1850	1	-0.051	-0.822	-0.592	-0.776	0.610	<b>-0.326</b>	<b>0.218</b>
1851	1	-0.017	-1.103	-0.695	-0.754	0.744	<b>-0.365</b>	<b>0.290</b>
1852	1	0.008	-1.087	-0.725	-0.986	0.804	<b>-0.397</b>	<b>0.317</b>
1853	1	0.041	-0.872	-0.643	-1.073	0.729	<b>-0.364</b>	<b>0.237</b>
1854	1	0.099	-1.367	-1.080	-0.851	0.600	<b>-0.520</b>	<b>0.125</b>
1855	1	0.157	-1.301	-0.984	-1.006	0.706	<b>-0.486</b>	<b>0.150</b>
1856	1	0.024	-1.219	-0.803	-0.963	0.779	<b>-0.436</b>	<b>0.285</b>
1857	1	0.058	-1.467	-0.844	-0.945	0.639	<b>-0.512</b>	<b>0.169</b>
1858	1	-0.026	-1.334	-0.838	-0.924	0.566	<b>-0.511</b>	<b>0.175</b>
1859	1	-0.150	-1.962	-1.140	-1.116	0.637	<b>-0.746</b>	<b>0.310</b>
1860	1	0.024	-0.888	-0.588	-0.959	0.466	<b>-0.389</b>	<b>0.097</b>
1861	1	-0.067	-1.549	-0.785	-0.923	0.551	<b>-0.555</b>	<b>0.191</b>
1862	1	-0.026	-1.103	-0.631	-0.973	0.521	<b>-0.442</b>	<b>0.149</b>
1863	1	-0.084	-1.384	-0.697	-0.953	0.480	<b>-0.528</b>	<b>0.159</b>
1864	1	-0.067	-1.268	-0.678	-1.121	0.485	<b>-0.530</b>	<b>0.153</b>
1865	1	-0.084	-1.566	-0.805	-1.073	0.530	<b>-0.599</b>	<b>0.188</b>
1866	1	-0.084	-1.087	-0.691	-1.057	0.569	<b>-0.470</b>	<b>0.213</b>
1867	1	-0.100	-1.235	-0.656	-0.934	0.578	<b>-0.470</b>	<b>0.230</b>
1868	1	-0.051	-1.566	-0.800	-0.859	0.608	<b>-0.534</b>	<b>0.217</b>
1869	1	-0.051	-1.334	-0.738	-1.117	0.598	<b>-0.528</b>	<b>0.211</b>
1870	1	-0.009	-1.731	-1.061	-0.939	0.559	<b>-0.636</b>	<b>0.161</b>
1871	1	0.291	-2.177	-1.527	-0.877	0.349	<b>-0.788</b>	<b>0.002</b>
1872	1	-0.134	-1.037	-0.635	-0.788	0.471	<b>-0.425</b>	<b>0.183</b>
1873	1	-0.067	-1.351	-0.696	-0.869	0.561	<b>-0.484</b>	<b>0.197</b>
1874	1	-0.084	-1.037	-0.522	-0.858	0.743	<b>-0.352</b>	<b>0.342</b>
1875	1	-0.067	-1.219	-0.599	-0.860	0.467	<b>-0.456</b>	<b>0.143</b>
1876	1	-0.117	-1.153	-0.573	-0.919	0.681	<b>-0.416</b>	<b>0.319</b>
1877	1	-0.051	-1.004	-0.520	-0.926	0.671	<b>-0.366</b>	<b>0.260</b>
1878	1	-0.009	-1.202	-0.586	-0.820	0.811	<b>-0.361</b>	<b>0.336</b>
1879	1	-0.009	-1.021	-0.543	-0.863	0.653	<b>-0.357</b>	<b>0.219</b>
1880	1	0.058	-1.367	-0.629	-0.851	0.741	<b>-0.410</b>	<b>0.234</b>
1881	1	0.024	-1.153	-0.573	-0.892	0.585	<b>-0.402</b>	<b>0.157</b>
1882	1	0.024	-1.136	-0.600	-0.735	0.713	<b>-0.347</b>	<b>0.237</b>
1883	1	0.041	-1.136	-0.592	-0.856	0.649	<b>-0.379</b>	<b>0.185</b>
1884	1	0.041	-1.334	-0.643	-0.788	0.671	<b>-0.411</b>	<b>0.199</b>
1885	1	0.091	-1.070	-0.544	-0.802	0.796	<b>-0.306</b>	<b>0.249</b>
1886	1	0.141	-1.268	-0.599	-0.813	0.760	<b>-0.356</b>	<b>0.192</b>
1887	1	0.174	-1.054	-0.559	-0.813	0.821	<b>-0.286</b>	<b>0.209</b>
1888	1	0.224	-1.120	-0.532	-0.732	0.787	<b>-0.274</b>	<b>0.159</b>
1889	1	0.257	-0.971	-0.436	-0.692	0.762	<b>-0.216</b>	<b>0.128</b>
1890	1	0.399	-1.285	-0.586	-0.355	0.780	<b>-0.209</b>	<b>0.073</b>

1891	1	0.332	-1.087	-0.535	-0.425	0.830	-0.177	0.124
1892	1	0.390	-1.401	-0.572	-0.593	0.792	-0.277	0.081
1893	1	0.341	-1.285	-0.570	-0.626	0.828	-0.262	0.119
1894	1	0.407	-1.004	-0.438	-0.614	0.858	-0.158	0.101
1895	1	0.474	-1.334	-0.460	-0.550	0.758	-0.223	0.040
1896	1	0.374	-0.872	-0.299	-0.525	0.866	-0.091	0.121
1897	1	0.424	-0.921	-0.274	-0.430	0.881	-0.064	0.104
1898	1	0.465	-1.186	-0.406	-0.479	0.908	-0.140	0.098
1899	1	0.457	-1.103	-0.458	-0.426	0.895	-0.127	0.096
1900	1	0.524	-1.054	-0.469	-0.270	0.948	-0.064	0.090
1901	1	0.440	-0.773	-0.337	-0.255	0.897	-0.005	0.104
1902	1	0.482	-0.641	-0.268	-0.259	0.943	0.051	0.106
1903	1	0.540	-0.657	-0.240	-0.237	0.966	0.075	0.091
1904	1	0.565	-0.789	-0.264	-0.302	0.971	0.036	0.083
1905	1	0.598	-0.641	-0.244	-0.264	0.981	0.086	0.073
1906	1	0.607	-0.789	-0.287	-0.309	1.092	0.063	0.118
1907	1	0.707	-0.558	-0.250	-0.276	0.948	0.114	0.029
1908	1	0.657	-0.525	-0.180	-0.365	0.941	0.106	0.040
1909	1	0.723	-0.343	-0.132	-0.257	0.903	0.179	0.016
1910	1	0.715	-0.244	-0.039	-0.300	0.895	0.205	0.016
1911	1	0.806	-0.971	-0.257	-0.296	0.925	0.041	0.007
1912	1	0.781	-0.145	-0.022	-0.454	0.922	0.216	0.010
1913	1	0.798	-0.261	-0.040	-0.244	0.881	0.227	0.003
1914	1	0.906	-0.244	-0.963	-0.508	0.891	0.017	0.000
1915	1	1.588	-0.442	-1.114	-0.425	0.662	0.054	0.429
1916	1	1.830	-0.343	-0.849	-0.516	0.655	0.155	0.689
1917	1	1.738	-0.542	-0.638	-0.314	0.708	0.191	0.530
1918	1	1.555	-0.822	-1.202	-0.408	0.806	-0.014	0.281
1919	1	1.530	-0.475	-0.302	0.034	0.806	0.318	0.263
1920	1	0.615	-0.442	-0.023	-0.199	1.003	0.191	0.075
1921	1	0.690	-0.409	0.051	-0.310	1.007	0.206	0.050
1922	1	0.840	0.103	0.204	-0.509	0.879	0.303	0.001
1923	1	0.848	-0.095	0.185	-0.386	0.862	0.283	0.000
1924	1	0.890	0.103	0.228	-0.250	0.850	0.364	0.001
1925	1	0.865	0.020	0.168	-0.357	0.876	0.314	0.000
1926	1	0.881	-0.095	0.143	-0.387	0.887	0.286	0.000
1927	1	0.948	0.136	0.264	-0.413	0.833	0.354	0.007
1928	1	0.931	-0.013	0.239	-0.389	0.987	0.351	0.002
1929	1	0.989	-0.062	0.159	-0.485	0.878	0.296	0.006
1930	1	0.940	0.202	0.337	-0.399	1.013	0.419	0.003
1931	1	0.981	0.268	0.341	-0.533	1.045	0.420	0.002
1932	1	0.998	0.235	0.364	-0.586	1.112	0.424	0.007



1933	1	1.098	0.301	0.394	-0.564	1.089	<b>0.464</b>	<b>0.000</b>
1934	1	1.073	0.367	0.439	-0.508	1.136	<b>0.501</b>	<b>0.002</b>
1935	1	1.131	0.400	0.436	-0.451	1.076	<b>0.519</b>	<b>0.001</b>
1936	1	1.114	0.400	0.470	-0.313	1.067	<b>0.548</b>	<b>0.001</b>
1937	1	1.106	0.433	0.494	-0.209	1.161	<b>0.597</b>	<b>0.002</b>
1938	1	1.081	0.433	0.481	-0.271	1.166	<b>0.578</b>	<b>0.004</b>
1939	1	1.048	0.466	0.525	-0.283	1.133	<b>0.578</b>	<b>0.004</b>
1940	1	1.189	0.086	-0.170	-0.411	1.059	<b>0.351</b>	<b>0.008</b>
1941	1	1.314	0.351	0.392	-0.397	0.942	<b>0.520</b>	<b>0.069</b>
1942	1	1.156	0.318	0.377	-0.373	0.941	<b>0.484</b>	<b>0.023</b>
1943	1	1.031	0.251	0.096	-0.256	0.877	<b>0.400</b>	<b>0.012</b>
1944	1	0.981	0.235	-0.323	-0.322	1.002	<b>0.315</b>	<b>0.000</b>
1945	1	0.931	-0.294	0.208	-0.069	0.698	<b>0.295</b>	<b>0.027</b>
1946	1	0.357	0.301	0.716	-0.163	0.851	<b>0.412</b>	<b>0.122</b>
1947	1	0.324	0.417	0.825	-0.153	0.907	<b>0.464</b>	<b>0.170</b>
1948	1	0.341	0.664	0.952	-0.068	0.967	<b>0.571</b>	<b>0.196</b>
1949	1	0.357	0.598	0.890	-0.205	1.078	<b>0.544</b>	<b>0.260</b>
1950	1	0.499	0.803	0.990	-0.060	1.141	<b>0.675</b>	<b>0.207</b>
1951	1	0.515	0.854	0.973	-0.159	1.091	<b>0.655</b>	<b>0.166</b>
1952	1	0.557	0.906	1.061	-0.138	1.217	<b>0.720</b>	<b>0.218</b>
1953	1	0.590	0.954	1.057	-0.114	1.115	<b>0.720</b>	<b>0.138</b>
1954	1	0.607	0.996	1.116	-0.091	1.138	<b>0.753</b>	<b>0.141</b>
1955	1	0.623	1.038	1.134	-0.119	1.179	<b>0.771</b>	<b>0.155</b>
1956	1	0.615	1.076	1.136	0.142	1.217	<b>0.837</b>	<b>0.181</b>
1957	1	0.607	1.112	1.166	0.117	1.306	<b>0.861</b>	<b>0.244</b>
1958	1	0.590	1.145	1.251	0.022	1.323	<b>0.866</b>	<b>0.269</b>
1959	1	0.573	1.173	1.253	-0.016	1.344	<b>0.866</b>	<b>0.297</b>
1960	1	0.549	1.198	1.268	0.120	1.271	<b>0.881</b>	<b>0.261</b>
1961	1	0.524	1.219	1.307	0.159	1.264	<b>0.895</b>	<b>0.274</b>
1962	1	0.515	1.238	1.276	0.198	1.267	<b>0.899</b>	<b>0.282</b>
1963	1	0.515	1.254	1.266	0.231	1.299	<b>0.913</b>	<b>0.307</b>
1964	1	0.524	1.269	1.332	0.218	1.214	<b>0.911</b>	<b>0.239</b>
1965	1	0.549	1.284	1.320	0.191	1.279	<b>0.924</b>	<b>0.267</b>
1966	1	0.582	1.297	1.348	0.307	1.305	<b>0.968</b>	<b>0.262</b>
1967	1	0.623	1.307	1.348	0.122	1.243	<b>0.929</b>	<b>0.192</b>
1968	1	0.673	1.317	1.348	0.205	1.200	<b>0.949</b>	<b>0.139</b>
1969	1	0.723	1.329	1.330	0.203	1.181	<b>0.953</b>	<b>0.105</b>
1970	1	0.781	1.340	1.391	0.321	1.249	<b>1.016</b>	<b>0.109</b>
1971	1	0.848	1.352	1.389	0.278	1.310	<b>1.035</b>	<b>0.107</b>
1972	1	0.915	1.363	1.406	0.443	1.308	<b>1.087</b>	<b>0.077</b>
1973	1	0.989	1.373	1.418	0.398	1.355	<b>1.107</b>	<b>0.067</b>
1974	1	1.073	1.380	1.442	0.628	1.391	<b>1.183</b>	<b>0.051</b>

1975	1	1.139	1.385	1.448	0.713	1.409	<b>1.219</b>	<b>0.036</b>
1976	1	1.206	1.391	1.465	0.772	1.398	<b>1.246</b>	<b>0.019</b>
1977	1	1.256	1.400	1.507	0.919	1.394	<b>1.295</b>	<b>0.010</b>
1978	1	1.297	1.408	1.516	0.682	1.397	<b>1.260</b>	<b>0.005</b>
1979	1	1.314	1.414	1.537	0.606	1.345	<b>1.243</b>	<b>0.000</b>
1980	1	1.331	1.421	1.544	0.630	1.384	<b>1.262</b>	<b>0.001</b>
1981	1	1.322	1.428	1.555	0.764	1.401	<b>1.294</b>	<b>0.003</b>
1982	1	1.322	1.433	1.581	0.791	1.398	<b>1.305</b>	<b>0.003</b>
1983	1	1.314	1.439	1.580	0.600	1.334	<b>1.253</b>	<b>0.000</b>
1984	1	1.314	1.444	1.614	0.498	1.364	<b>1.247</b>	<b>0.001</b>
1985	1	1.322	1.449	1.622	0.512	1.445	<b>1.270</b>	<b>0.008</b>
1986	1	1.331	1.454	1.641	0.473	1.410	<b>1.262</b>	<b>0.003</b>
1987	1	1.347	1.456	1.682	0.387	1.471	<b>1.269</b>	<b>0.008</b>
1988	1	1.364	1.459	1.697	0.394	1.426	<b>1.268</b>	<b>0.002</b>
1989	1	1.380	1.462	1.706	0.430	1.375	<b>1.271</b>	<b>0.000</b>
1990	1	1.397	1.467	1.726	0.355	1.392	<b>1.268</b>	<b>0.000</b>
1991	1	1.405	1.472	1.733	0.419	1.390	<b>1.284</b>	<b>0.000</b>
1992	1	1.422	1.479	1.753	0.327	1.400	<b>1.276</b>	<b>0.000</b>
1993	1	1.422	1.485	1.760	0.394	1.316	<b>1.275</b>	<b>0.006</b>
1994	1	1.422	1.494	1.781	0.544	1.338	<b>1.316</b>	<b>0.004</b>
1995	1	1.422	1.502	1.794	0.540	1.380	<b>1.328</b>	<b>0.001</b>
1996	1	1.405	1.507	1.808	0.550	1.383	<b>1.331</b>	<b>0.000</b>
1997	1	1.397	1.510	1.829	0.628	1.384	<b>1.349</b>	<b>0.000</b>
1998	1	1.380	1.514	1.829	0.619	1.380	<b>1.344</b>	<b>0.000</b>
1999	1	1.355	1.515	1.835	0.551	1.301	<b>1.312</b>	<b>0.001</b>