

Critical Values for Bonferroni's Method of Multiple Comparisons

Df	Number of Simultaneous Comparisons									
	1	2	3	4	5	6	7	8	9	10
1	12.71	25.45	38.19	50.92	63.66	76.39	89.12	101.9	114.6	127.3
2	4.303	6.205	7.649	8.860	9.925	10.89	11.77	12.59	13.36	14.09
3	3.182	4.177	4.857	5.392	5.841	6.232	6.580	6.895	7.185	7.453
4	2.776	3.495	3.961	4.315	4.604	4.851	5.068	5.261	5.437	5.598
5	2.571	3.163	3.534	3.810	4.032	4.219	4.382	4.526	4.655	4.773
6	2.447	2.969	3.287	3.521	3.707	3.863	3.997	4.115	4.221	4.317
7	2.365	2.841	3.128	3.335	3.499	3.636	3.753	3.855	3.947	4.029
8	2.306	2.752	3.016	3.206	3.355	3.479	3.584	3.677	3.759	3.833
9	2.262	2.685	2.933	3.111	3.250	3.364	3.462	3.547	3.622	3.690
10	2.228	2.634	2.870	3.038	3.169	3.277	3.368	3.448	3.518	3.581
11	2.201	2.593	2.820	2.981	3.106	3.208	3.295	3.370	3.437	3.497
12	2.179	2.560	2.779	2.934	3.055	3.153	3.236	3.308	3.371	3.428
13	2.160	2.533	2.746	2.896	3.012	3.107	3.187	3.256	3.318	3.372
14	2.145	2.510	2.718	2.864	2.977	3.069	3.146	3.214	3.273	3.326
15	2.131	2.490	2.694	2.837	2.947	3.036	3.112	3.177	3.235	3.286
16	2.120	2.473	2.673	2.813	2.921	3.008	3.082	3.146	3.202	3.252
17	2.110	2.458	2.655	2.793	2.898	2.984	3.056	3.119	3.173	3.222
18	2.101	2.445	2.639	2.775	2.878	2.963	3.034	3.095	3.149	3.197
19	2.093	2.433	2.625	2.759	2.861	2.944	3.014	3.074	3.127	3.174
20	2.086	2.423	2.613	2.744	2.845	2.927	2.996	3.055	3.107	3.153
21	2.080	2.414	2.601	2.732	2.831	2.912	2.980	3.038	3.090	3.135
22	2.074	2.405	2.591	2.720	2.819	2.899	2.965	3.023	3.074	3.119
23	2.069	2.398	2.582	2.710	2.807	2.886	2.952	3.009	3.059	3.104
24	2.064	2.391	2.574	2.700	2.797	2.875	2.941	2.997	3.046	3.091
25	2.060	2.385	2.566	2.692	2.787	2.865	2.930	2.986	3.035	3.078
26	2.056	2.379	2.559	2.684	2.779	2.856	2.920	2.975	3.024	3.067
27	2.052	2.373	2.552	2.676	2.771	2.847	2.911	2.966	3.014	3.057
28	2.048	2.368	2.546	2.669	2.763	2.839	2.902	2.957	3.004	3.047
29	2.045	2.364	2.541	2.663	2.756	2.832	2.894	2.949	2.996	3.038
30	2.042	2.360	2.536	2.657	2.750	2.825	2.887	2.941	2.988	3.030
40	2.021	2.329	2.499	2.616	2.704	2.776	2.836	2.887	2.931	2.971
50	2.009	2.311	2.477	2.591	2.678	2.747	2.805	2.855	2.898	2.937
60	2.000	2.299	2.463	2.575	2.660	2.729	2.785	2.834	2.877	2.915
70	1.994	2.291	2.453	2.564	2.648	2.715	2.771	2.820	2.862	2.899
80	1.990	2.284	2.445	2.555	2.639	2.705	2.761	2.809	2.850	2.887
90	1.987	2.280	2.440	2.549	2.632	2.698	2.753	2.800	2.841	2.878
100	1.984	2.276	2.435	2.544	2.626	2.692	2.747	2.793	2.834	2.871
110	1.982	2.272	2.431	2.539	2.621	2.687	2.741	2.788	2.829	2.865
120	1.980	2.270	2.428	2.536	2.617	2.683	2.737	2.783	2.824	2.860
130	1.978	2.268	2.425	2.533	2.614	2.679	2.733	2.780	2.820	2.856
140	1.977	2.266	2.423	2.530	2.611	2.676	2.730	2.776	2.817	2.852
150	1.976	2.264	2.421	2.528	2.609	2.674	2.728	2.774	2.814	2.849
160	1.975	2.263	2.419	2.526	2.607	2.671	2.725	2.771	2.811	2.846
170	1.974	2.261	2.418	2.525	2.605	2.669	2.723	2.769	2.809	2.844
180	1.973	2.260	2.417	2.523	2.603	2.668	2.721	2.767	2.807	2.842
190	1.973	2.259	2.415	2.522	2.602	2.666	2.720	2.765	2.805	2.840
200	1.972	2.258	2.414	2.520	2.601	2.665	2.718	2.764	2.803	2.839
999	1.962	2.245	2.398	2.502	2.581	2.644	2.696	2.740	2.779	2.813