**Critical Values for Bonferroni’s Method of Multipe Comparisons**

**Number of Simultaneous Comparisons**

 **Df** **1 2 3 4 5 6 7 8 9 10**

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 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

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