**Tables of the Normal Distribution**

|  |
| --- |
| **Probability Content  from   -oo to Z**  **Z | 0.00 0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09**  **----+----------------------------------------------------------------------**  **0.0 | 0.5000 0.5040 0.5080 0.5120 0.5160 0.5199 0.5239 0.5279 0.5319 0.5359**  **0.1 | 0.5398 0.5438 0.5478 0.5517 0.5557 0.5596 0.5636 0.5675 0.5714 0.5753**  **0.2 | 0.5793 0.5832 0.5871 0.5910 0.5948 0.5987 0.6026 0.6064 0.6103 0.6141**  **0.3 | 0.6179 0.6217 0.6255 0.6293 0.6331 0.6368 0.6406 0.6443 0.6480 0.6517**  **0.4 | 0.6554 0.6591 0.6628 0.6664 0.6700 0.6736 0.6772 0.6808 0.6844 0.6879**  **0.5 | 0.6915 0.6950 0.6985 0.7019 0.7054 0.7088 0.7123 0.7157 0.7190 0.7224**  **0.6 | 0.7257 0.7291 0.7324 0.7357 0.7389 0.7422 0.7454 0.7486 0.7517 0.7549**  **0.7 | 0.7580 0.7611 0.7642 0.7673 0.7704 0.7734 0.7764 0.7794 0.7823 0.7852**  **0.8 | 0.7881 0.7910 0.7939 0.7967 0.7995 0.8023 0.8051 0.8078 0.8106 0.8133**  **0.9 | 0.8159 0.8186 0.8212 0.8238 0.8264 0.8289 0.8315 0.8340 0.8365 0.8389**  **1.0 | 0.8413 0.8438 0.8461 0.8485 0.8508 0.8531 0.8554 0.8577 0.8599 0.8621**  **1.1 | 0.8643 0.8665 0.8686 0.8708 0.8729 0.8749 0.8770 0.8790 0.8810 0.8830**  **1.2 | 0.8849 0.8869 0.8888 0.8907 0.8925 0.8944 0.8962 0.8980 0.8997 0.9015**  **1.3 | 0.9032 0.9049 0.9066 0.9082 0.9099 0.9115 0.9131 0.9147 0.9162 0.9177**  **1.4 | 0.9192 0.9207 0.9222 0.9236 0.9251 0.9265 0.9279 0.9292 0.9306 0.9319**  **1.5 | 0.9332 0.9345 0.9357 0.9370 0.9382 0.9394 0.9406 0.9418 0.9429 0.9441**  **1.6 | 0.9452 0.9463 0.9474 0.9484 0.9495 0.9505 0.9515 0.9525 0.9535 0.9545**  **1.7 | 0.9554 0.9564 0.9573 0.9582 0.9591 0.9599 0.9608 0.9616 0.9625 0.9633**  **1.8 | 0.9641 0.9649 0.9656 0.9664 0.9671 0.9678 0.9686 0.9693 0.9699 0.9706**  **1.9 | 0.9713 0.9719 0.9726 0.9732 0.9738 0.9744 0.9750 0.9756 0.9761 0.9767**  **2.0 | 0.9772 0.9778 0.9783 0.9788 0.9793 0.9798 0.9803 0.9808 0.9812 0.9817**  **2.1 | 0.9821 0.9826 0.9830 0.9834 0.9838 0.9842 0.9846 0.9850 0.9854 0.9857**  **2.2 | 0.9861 0.9864 0.9868 0.9871 0.9875 0.9878 0.9881 0.9884 0.9887 0.9890**  **2.3 | 0.9893 0.9896 0.9898 0.9901 0.9904 0.9906 0.9909 0.9911 0.9913 0.9916**  **2.4 | 0.9918 0.9920 0.9922 0.9925 0.9927 0.9929 0.9931 0.9932 0.9934 0.9936**  **2.5 | 0.9938 0.9940 0.9941 0.9943 0.9945 0.9946 0.9948 0.9949 0.9951 0.9952**  **2.6 | 0.9953 0.9955 0.9956 0.9957 0.9959 0.9960 0.9961 0.9962 0.9963 0.9964**  **2.7 | 0.9965 0.9966 0.9967 0.9968 0.9969 0.9970 0.9971 0.9972 0.9973 0.9974**  **2.8 | 0.9974 0.9975 0.9976 0.9977 0.9977 0.9978 0.9979 0.9979 0.9980 0.9981**  **2.9 | 0.9981 0.9982 0.9982 0.9983 0.9984 0.9984 0.9985 0.9985 0.9986 0.9986**  **3.0 | 0.9987 0.9987 0.9987 0.9988 0.9988 0.9989 0.9989 0.9989 0.9990 0.9990** |

|  |
| --- |
| **Far Right  Tail Probabilities**  **Z P{Z to oo} | Z P{Z to oo} | Z P{Z to oo} | Z P{Z to oo}**  **----------------+-----------------+------------------+------------------**  **2.0 0.02275 | 3.0 0.001350 | 4.0 0.00003167 | 5.0 2.867 E-7**  **2.1 0.01786 | 3.1 0.0009676 | 4.1 0.00002066 | 5.5 1.899 E-8**  **2.2 0.01390 | 3.2 0.0006871 | 4.2 0.00001335 | 6.0 9.866 E-10**  **2.3 0.01072 | 3.3 0.0004834 | 4.3 0.00000854 | 6.5 4.016 E-11**  **2.4 0.00820 | 3.4 0.0003369 | 4.4 0.000005413 | 7.0 1.280 E-12**  **2.5 0.00621 | 3.5 0.0002326 | 4.5 0.000003398 | 7.5 3.191 E-14**  **2.6 0.004661 | 3.6 0.0001591 | 4.6 0.000002112 | 8.0 6.221 E-16**  **2.7 0.003467 | 3.7 0.0001078 | 4.7 0.000001300 | 8.5 9.480 E-18**  **2.8 0.002555 | 3.8 0.00007235 | 4.8 7.933 E-7 | 9.0 1.129 E-19**  **2.9 0.001866 | 3.9 0.00004810 | 4.9 4.792 E-7 | 9.5 1.049 E-21** |

|  |
| --- |
| These tables are public domain.    They are produced by [APL](http://www.acm.org/sigapl/apl.htm) programs written by the author,    [William Knight](http://www.math.unb.ca/%7Eknight) |