標準常態分布機率值(Z-值)

Probability of standard normal distribution at different Z-value.

0.04

0.05

0.06

0.07

0.08

0.09

0.00

0.01

0.02

0.03

 $-4.0\ 0.0000\ 0.0000\ 0.0000\ 0.0000\ 0.0000\ 0.0000\ 0.0000\ 0.0000\ 0.0000\ 0.0000$ $-3.9 \,\,\, 0.0000 \,\, 0.0000 \,\, 0.0000 \,\, 0.0000 \,\, 0.0000 \,\, 0.0000 \,\, 0.0000 \,\, 0.0000 \,\, 0.0000$ -3.8 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 $-3.7\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001$ $-3.6\ 0.0002\ 0.0002\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001\ 0.0001$ -3.5 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 -3.4 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0002 -3.3 0.0005 0.0005 0.0005 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0003 -3.2 0.0007 0.0007 0.0006 0.0006 0.0006 0.0006 0.0006 0.0005 0.0005 0.0005 $-3.1\ 0.0010\ 0.0009\ 0.0009\ 0.0009\ 0.0008\ 0.0008\ 0.0008\ 0.0008\ 0.0008\ 0.0007\ 0.0007$ $-3.0\ 0.0013\ 0.0013\ 0.0013\ 0.0012\ 0.0012\ 0.0011\ 0.0011\ 0.0011\ 0.0010\ 0.0010$ $-2.9\ 0.0019\ 0.0018\ 0.0018\ 0.0017\ 0.0016\ 0.0016\ 0.0015\ 0.0015\ 0.0014\ 0.0014$ $-2.8\ 0.0026\ 0.0025\ 0.0024\ 0.0023\ 0.0023\ 0.0022\ 0.0021\ 0.0021\ 0.0020\ 0.0019$ $-2.7\ 0.0035\ 0.0034\ 0.0033\ 0.0032\ 0.0031\ 0.0030\ 0.0029\ 0.0028\ 0.0027\ 0.0026$ -2.6 0.0047 0.0045 0.0044 0.0043 0.0041 0.0040 0.0039 0.0038 0.0037 0.0036 -2.5 0.0062 0.0060 0.0059 0.0057 0.0055 0.0054 0.0052 0.0051 0.0049 0.0048 -2.4 0.0082 0.0080 0.0078 0.0075 0.0073 0.0071 0.0069 0.0068 0.0066 0.0064 -2.3 0.0107 0.0104 0.0102 0.0099 0.0096 0.0094 0.0091 0.0089 0.0087 0.0084 $-2.2\ 0.0139\ 0.0136\ 0.0132\ 0.0129\ 0.0125\ 0.0122\ 0.0119\ 0.0116\ 0.0113\ 0.0110$ $-2.1\ 0.0179\ 0.0174\ 0.0170\ 0.0166\ 0.0162\ 0.0158\ 0.0154\ 0.0150\ 0.0146\ 0.0143$ -2.0 0.0228 0.0222 0.0217 0.0212 0.0207 0.0202 0.0197 0.0192 0.0188 0.0183 -1.9 0.0287 0.0281 0.0274 0.0268 0.0262 0.0256 0.0250 0.0244 0.0239 0.0233 $-1.8\ 0.0359\ 0.0351\ 0.0344\ 0.0336\ 0.0329\ 0.0322\ 0.0314\ 0.0307\ 0.0301\ 0.0294$ $-1.7 \,\, 0.0446 \,\, 0.0436 \,\, 0.0427 \,\, 0.0418 \,\, 0.0409 \,\, 0.0401 \,\, 0.0392 \,\, 0.0384 \,\, 0.0375 \,\, 0.0367$ $-1.6\ 0.0548\ 0.0537\ 0.0526\ 0.0516\ 0.0505\ 0.0495\ 0.0485\ 0.0475\ 0.0465\ 0.0455$ -1.5 0.0668 0.0655 0.0643 0.0630 0.0618 0.0606 0.0594 0.0582 0.0571 0.0559 -1.4 0.0808 0.0793 0.0778 0.0764 0.0749 0.0735 0.0721 0.0708 0.0694 0.0681 $-1.3\ 0.0968\ 0.0951\ 0.0934\ 0.0918\ 0.0901\ 0.0885\ 0.0869\ 0.0853\ 0.0838\ 0.0823$ $-1.2\ 0.1151\ 0.1131\ 0.1112\ 0.1093\ 0.1075\ 0.1056\ 0.1038\ 0.1020\ 0.1003\ 0.0985$

-1.1 0.1357 0.1335 0.1314 0.1292 0.1271 0.1251 0.1230 0.1210 0.1190 0.1170 -1.0 0.1587 0.1562 0.1539 0.1515 0.1492 0.1469 0.1446 0.1423 0.1401 0.1379 -0.9 0.1841 0.1814 0.1788 0.1762 0.1736 0.1711 0.1685 0.1660 0.1635 0.1611 -0.8 0.2119 0.2090 0.2061 0.2033 0.2005 0.1977 0.1949 0.1922 0.1894 0.1867 -0.7 0.2420 0.2389 0.2358 0.2327 0.2296 0.2266 0.2236 0.2206 0.2177 0.2148 -0.6 0.2743 0.2709 0.2676 0.2643 0.2611 0.2578 0.2546 0.2514 0.2483 0.2451 -0.5 0.3085 0.3050 0.3015 0.2981 0.2946 0.2912 0.2877 0.2843 0.2810 0.2776 -0.4 0.3446 0.3409 0.3372 0.3336 0.3300 0.3264 0.3228 0.3192 0.3156 0.3121

```
-0.3 \ 0.3821 \ 0.3783 \ 0.3745 \ 0.3707 \ 0.3669 \ 0.3632 \ 0.3594 \ 0.3557 \ 0.3520 \ 0.3483
-0.2\ 0.4207\ 0.4168\ 0.4129\ 0.4090\ 0.4052\ 0.4013\ 0.3974\ 0.3936\ 0.3897\ 0.3859
-0.1\ 0.4602\ 0.4562\ 0.4522\ 0.4483\ 0.4443\ 0.4404\ 0.4364\ 0.4325\ 0.4286\ 0.4247
0.0 \quad 0.5000 \quad 0.5040 \quad 0.5080 \quad 0.5120 \quad 0.5160 \quad 0.5199 \quad 0.5239 \quad 0.5279 \quad 0.5319 \quad 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 \quad 0.6915 \quad 0.6950 \quad 0.6985 \quad 0.7019 \quad 0.7054 \quad 0.7088 \quad 0.7123 \quad 0.7157 \quad 0.7190 \quad 0.7224
0.6 \quad 0.7257 \quad 0.7291 \quad 0.7324 \quad 0.7357 \quad 0.7389 \quad 0.7422 \quad 0.7454 \quad 0.7486 \quad 0.7517 \quad 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 \quad 0.8159 \ 0.8186 \ 0.8212 \ 0.8238 \ 0.8264 \ 0.8289 \ 0.8315 \ 0.8340 \ 0.8365 \ 0.8389
1.0 \quad 0.8413 \quad 0.8438 \quad 0.8461 \quad 0.8485 \quad 0.8508 \quad 0.8531 \quad 0.8554 \quad 0.8577 \quad 0.8599 \quad 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
3.1 0.9990 0.9991 0.9991 0.9991 0.9992 0.9992 0.9992 0.9993 0.9993
3.2 0.9993 0.9993 0.9994 0.9994 0.9994 0.9994 0.9994 0.9995 0.9995 0.9995
3.3 0.9995 0.9995 0.9995 0.9996 0.9996 0.9996 0.9996 0.9996 0.9997
3.4 0.9997 0.9997 0.9997 0.9997 0.9997 0.9997 0.9997 0.9997 0.9998
3.5 0.9998 0.9998 0.9998 0.9998 0.9998 0.9998 0.9998 0.9998 0.9998 0.9998
3.6 0.9998 0.9998 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999
3.7 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999
3.8 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999 0.9999
```

- $3.9\ \ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000$
- $4.0\quad 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000\ 1.0000$