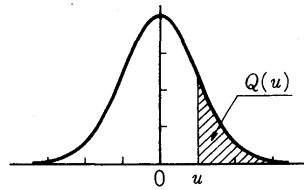


付表1 正規分布表(上側確率)

$$Q(u) = 1 - \Phi(u) = \int_u^{\infty} \phi(u) du$$



| $u$ | .00          | .01          | .02          | .03          | .04          | .05          | .06          | .07          | .08          | .09          |
|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| .0  | .50000       | .49601       | .49202       | .48803       | .48405       | .48006       | .47608       | .47210       | .46812       | .46414       |
| .1  | .46017       | .45620       | .45224       | .44828       | .44433       | .44038       | .43644       | .43251       | .42858       | .42465       |
| .2  | .42074       | .41683       | .41294       | .40905       | .40517       | .40129       | .39743       | .39358       | .38974       | .38591       |
| .3  | .38209       | .37828       | .37448       | .37070       | .36693       | .36317       | .35942       | .35569       | .35197       | .34827       |
| .4  | .34458       | .34090       | .33724       | .33360       | .32997       | .32636       | .32276       | .31918       | .31561       | .31207       |
| .5  | .30854       | .30503       | .30153       | .29806       | .29460       | .29116       | .28774       | .28434       | .28096       | .27760       |
| .6  | .27425       | .27093       | .26763       | .26435       | .26109       | .25785       | .25463       | .25143       | .24825       | .24510       |
| .7  | .24196       | .23885       | .23576       | .23270       | .22965       | .22663       | .22363       | .22065       | .21770       | .21476       |
| .8  | .21186       | .20897       | .20611       | .20327       | .20045       | .19766       | .19489       | .19215       | .18943       | .18673       |
| .9  | .18406       | .18141       | .17879       | .17619       | .17361       | .17106       | .16853       | .16602       | .16354       | .16109       |
| 1.0 | .15866       | .15625       | .15386       | .15151       | .14917       | .14686       | .14457       | .14231       | .14007       | .13786       |
| 1.1 | .13567       | .13350       | .13136       | .12924       | .12714       | .12507       | .12302       | .12100       | .11900       | .11702       |
| 1.2 | .11507       | .11314       | .11123       | .10935       | .10749       | .10565       | .10383       | .10204       | .10027       | .098525      |
| 1.3 | .096800      | .095098      | .093418      | .091759      | .090123      | .088508      | .086915      | .085343      | .083793      | .082264      |
| 1.4 | .080757      | .079270      | .077804      | .076359      | .074934      | .073529      | .072145      | .070781      | .069437      | .068112      |
| 1.5 | .066807      | .065522      | .064255      | .063008      | .061780      | .060571      | .059380      | .058208      | .057053      | .055917      |
| 1.6 | .054799      | .053699      | .052616      | .051551      | .050503      | .049471      | .048457      | .047460      | .046479      | .045514      |
| 1.7 | .044565      | .043633      | .042716      | .041815      | .040930      | .040059      | .039204      | .038364      | .037538      | .036727      |
| 1.8 | .035930      | .035148      | .034380      | .033625      | .032884      | .032157      | .031443      | .030742      | .030054      | .029379      |
| 1.9 | .028717      | .028067      | .027429      | .026803      | .026190      | .025588      | .024998      | .024419      | .023852      | .023295      |
| 2.0 | .022750      | .022216      | .021692      | .021178      | .020675      | .020182      | .019699      | .019226      | .018763      | .018309      |
| 2.1 | .017864      | .017429      | .017003      | .016586      | .016177      | .015778      | .015386      | .015003      | .014629      | .014262      |
| 2.2 | .013903      | .013553      | .013209      | .012874      | .012545      | .012224      | .011911      | .011604      | .011304      | .011011      |
| 2.3 | .010724      | .010444      | .010170      | .0099031     | .0096419     | .0093867     | .0091375     | .0088940     | .0086563     | .0084242     |
| 2.4 | .0081975     | .0079763     | .0077603     | .0075494     | .0073436     | .0071428     | .0069469     | .0067557     | .0065691     | .0063872     |
| 2.5 | .0062097     | .0060366     | .0058677     | .0057031     | .0055426     | .0053861     | .0052336     | .0050849     | .0049400     | .0047988     |
| 2.6 | .0046612     | .0045271     | .0043965     | .0042692     | .0041453     | .0040246     | .0039070     | .0037926     | .0036811     | .0035726     |
| 2.7 | .0034670     | .0033642     | .0032641     | .0031667     | .0030720     | .0029798     | .0028901     | .0028028     | .0027179     | .0026354     |
| 2.8 | .0025551     | .0024771     | .0024012     | .0023274     | .0022557     | .0021860     | .0021182     | .0020524     | .0019884     | .0019262     |
| 2.9 | .0018658     | .0018071     | .0017502     | .0016948     | .0016411     | .0015889     | .0015382     | .0014890     | .0014412     | .0013949     |
| 3.0 | .0013499     | .0013062     | .0012639     | .0012228     | .0011829     | .0011442     | .0011067     | .0010703     | .0010350     | .0010008     |
| 3.1 | .00096760    | .00093544    | .00090426    | .00087403    | .00084474    | .00081635    | .00078885    | .00076219    | .00073638    | .00071136    |
| 3.2 | .00068714    | .00066367    | .00064095    | .00061895    | .00059765    | .00057703    | .00055706    | .00053774    | .00051904    | .00050094    |
| 3.3 | .00048342    | .00046648    | .00045009    | .00043423    | .00041889    | .00040406    | .00038971    | .00037584    | .00036243    | .00034946    |
| 3.4 | .00033693    | .00032481    | .00031311    | .00030179    | .00029086    | .00028029    | .00027009    | .00026023    | .00025071    | .00024151    |
| 3.5 | .00023263    | .00022405    | .00021577    | .00020778    | .00020006    | .00019262    | .00018543    | .00017849    | .00017180    | .00016534    |
| 3.6 | .00015911    | .00015310    | .00014730    | .00014171    | .00013632    | .00013112    | .00012611    | .00012128    | .00011662    | .00011213    |
| 3.7 | .00010780    | .00010363    | .000099611   | .000095740   | .000092010   | .000088417   | .000084957   | .000081624   | .000078414   | .000075324   |
| 3.8 | .000072348   | .000069483   | .000066726   | .000064072   | .000061517   | .000059059   | .000056694   | .000054418   | .000052228   | .000050122   |
| 3.9 | .000048096   | .000046148   | .000044274   | .000042473   | .000040741   | .000039076   | .000037475   | .000035936   | .000034458   | .000033037   |
| 4.0 | .000031671   | .000030359   | .000029099   | .000027888   | .000026726   | .000025609   | .000024536   | .000023507   | .000022518   | .000021569   |
| 4.1 | .000020658   | .000019783   | .000018944   | .000018138   | .000017365   | .000016624   | .000015912   | .000015230   | .000014575   | .000013948   |
| 4.2 | .000013346   | .000012769   | .000012215   | .000011685   | .000011176   | .000010689   | .000010221   | .0000097736  | .0000093447  | .0000089337  |
| 4.3 | .0000085399  | .0000081627  | .0000078015  | .0000074555  | .0000071241  | .0000068069  | .0000065031  | .0000062123  | .0000059340  | .0000056675  |
| 4.4 | .0000054125  | .0000051685  | .0000049350  | .0000047117  | .0000044979  | .0000042935  | .0000040980  | .0000039110  | .0000037322  | .0000035612  |
| 4.5 | .0000033977  | .0000032414  | .0000030920  | .0000029492  | .0000028127  | .0000026823  | .0000025577  | .0000024386  | .0000023249  | .0000022162  |
| 4.6 | .0000021125  | .0000020133  | .0000019187  | .0000018283  | .0000017420  | .0000016597  | .0000015810  | .0000015060  | .0000014344  | .0000013660  |
| 4.7 | .0000013008  | .0000012386  | .0000011792  | .0000011226  | .0000010686  | .0000010171  | .00000096796 | .00000092113 | .00000087648 | .00000083391 |
| 4.8 | .00000079333 | .00000075465 | .00000071779 | .00000068267 | .00000064920 | .00000061731 | .00000058693 | .00000055799 | .00000053043 | .00000050418 |
| 4.9 | .00000047918 | .00000045538 | .00000043272 | .00000041115 | .00000039061 | .00000037107 | .00000035247 | .00000033476 | .00000031792 | .00000030190 |

$u=0.00\sim 4.99$  に対する、正規分布の上側確率  $Q(u)$  を与える。

例:  $u=3.18$  に対しては、左の見出し 3.1 と上の見出し .08 との交差点で、 $Q(u)=.0073638=0.00073638$  と読む。

$u=1.96$  に対して  $Q(u)=.024998$ 、 $u=2.58$  に対して  $Q(u)=.0049400=0.0049400$  となる。分布の両側確率を考えるとき、これらは、それぞれ  $2Q(u)=0.049996\approx 0.05$ 、 $0.00988\approx 0.01$  に対応する。