**Tabulka A.1:** Kvantily standardizovaného normálního rozdělení *N*(0,1)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| $\alpha$ | 0,1 | 0,05 | 0,01 | 0,001 |
| $z_{1 - \frac{\alpha}{2}}$ | 1,645 | 1,960 | 2,576 | 3,290 |
| $z_{1 - \alpha}$ | 1,282 | 1,645 | 2,326 | 3,090 |
| $z_{\alpha}$ | -1,282 | -1,645 | -2,326 | -3,090 |

**Tabulka A.2:** Distribuční funkce standardizovaného normálního rozdělení *N*(0,1)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *z* | $\Phi(z)$ | *z* | $\Phi(z)$ | *z* | $\Phi(z)$ |
| -3,50 | 0,0002 | -1,00 | 0,1587 | 1,10 | 0,8643 |
| -3,40 | 0,0003 | -0,90 | 0,1841 | 1,20 | 0,8849 |
| -3,30 | 0,0005 | -0,80 | 0,2119 | 1,30 | 0,9032 |
| -3,20 | 0,0007 | -0,70 | 0,2420 | 1,40 | 0,9192 |
| -3,10 | 0,0010 | -0,60 | 0,2743 | 1,50 | 0,9332 |
| -3,00 | 0,0013 | -0,50 | 0,3085 | 1,60 | 0,9452 |
| -2,90 | 0,0019 | -0,40 | 0,3446 | 1,70 | 0,9554 |
| -2,80 | 0,0026 | -0,30 | 0,3821 | 1,80 | 0,9641 |
| -2,70 | 0,0035 | -0,20 | 0,4207 | 1,90 | 0,9713 |
| -2,60 | 0,0047 | -0,15 | 0,4404 | 2,00 | 0,9772 |
| -2,50 | 0,0062 | -0,10 | 0,4602 | 2,10 | 0,9821 |
| -2,40 | 0,0082 | -0,05 | 0,4801 | 2,20 | 0,9861 |
| -2,30 | 0,0107 | 0,00 | 0,5000 | 2,30 | 0,9893 |
| -2,20 | 0,0139 | 0,05 | 0,5199 | 2,40 | 0,9918 |
| -2,10 | 0,0179 | 0,10 | 0,5398 | 2,50 | 0,9938 |
| -2,00 | 0,0228 | 0,15 | 0,5596 | 2,60 | 0,9953 |
| -1,90 | 0,0287 | 0,20 | 0,5793 | 2,70 | 0,9965 |
| -1,80 | 0,0359 | 0,30 | 0,6179 | 2,80 | 0,9974 |
| -1,70 | 0,0446 | 0,40 | 0,6554 | 2,90 | 0,9981 |
| -1,60 | 0,0548 | 0,50 | 0,6915 | 3,00 | 0,9987 |
| -1,50 | 0,0668 | 0,60 | 0,7257 | 3,10 | 0,9990 |
| -1,40 | 0,0808 | 0,70 | 0,7580 | 3,20 | 0,9993 |
| -1,30 | 0,0968 | 0,80 | 0,7881 | 3,30 | 0,9995 |
| -1,20 | 0,1151 | 0,90 | 0,8159 | 3,40 | 0,9997 |
| -1,10 | 0,1357 | 1,00 | 0,8413 | 3,50 | 0,9998 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tabulka A.3:** Kvantily $t_{1 - \frac{\alpha}{2}}(\ensuremath{df} )$Studentova *t* rozdělení o  $\ensuremath {df} $stupních volnosti   |  |  |  |  | | --- | --- | --- | --- | | $t_{1 - \frac{\alpha}{2}}(\ensuremath{df} )$ | $\alpha$ | | | | \ensuremath{df} | 0,05 | 0,01 | 0,001 | | 1 | 12,706 | 63,656 | 636,578 | | 2 | 4,303 | 9,925 | 31,600 | | 3 | 3,182 | 5,841 | 12,924 | | 4 | 2,776 | 4,604 | 8,610 | | 5 | 2,571 | 4,032 | 6,869 | | 6 | 2,447 | 3,707 | 5,959 | | 7 | 2,365 | 3,499 | 5,408 | | 8 | 2,306 | 3,355 | 5,041 | | 9 | 2,262 | 3,250 | 4,781 | | 10 | 2,228 | 3,169 | 4,587 | | 11 | 2,201 | 3,106 | 4,437 | | 12 | 2,179 | 3,055 | 4,318 | | 13 | 2,160 | 3,012 | 4,221 | | 14 | 2,145 | 2,977 | 4,140 | | 15 | 2,131 | 2,947 | 4,073 | | 16 | 2,120 | 2,921 | 4,015 | | 17 | 2,110 | 2,898 | 3,965 | | 18 | 2,101 | 2,878 | 3,922 | | 19 | 2,093 | 2,861 | 3,883 | | 20 | 2,086 | 2,845 | 3,850 | | 21 | 2,080 | 2,831 | 3,819 | | 22 | 2,074 | 2,819 | 3,792 | | 23 | 2,069 | 2,807 | 3,768 | | 24 | 2,064 | 2,797 | 3,745 | | 25 | 2,060 | 2,787 | 3,725 | | 30 | 2,042 | 2,750 | 3,646 | | 35 | 2,030 | 2,724 | 3,591 | | 40 | 2,021 | 2,704 | 3,551 | | 45 | 2,014 | 2,690 | 3,520 | | 50 | 2,009 | 2,678 | 3,496 | | 60 | 2,000 | 2,660 | 3,460 | | 70 | 1,994 | 2,648 | 3,435 | | 80 | 1,990 | 2,639 | 3,416 | | 90 | 1,987 | 2,632 | 3,402 | | 100 | 1,984 | 2,626 | 3,390 | | $\infty$ | 1,960 | 2,576 | 3,290 | | **Tabulka A.4:** Kvantily $t_{1 - \alpha }(\ensuremath {df} )$Studentova *t* rozdělení o  $\ensuremath {df} $stupních volnosti   |  |  |  |  | | --- | --- | --- | --- | | $t_{1 - \alpha }(\ensuremath {df} )$ | $\alpha$ | | | | \ensuremath{df} | 0,05 | 0,01 | 0,001 | | 1 | 6,314 | 31,821 | 318,289 | | 2 | 2,920 | 6,965 | 22,328 | | 3 | 2,353 | 4,541 | 10,214 | | 4 | 2,132 | 3,747 | 7,173 | | 5 | 2,015 | 3,365 | 5,894 | | 6 | 1,943 | 3,143 | 5,208 | | 7 | 1,895 | 2,998 | 4,785 | | 8 | 1,860 | 2,896 | 4,501 | | 9 | 1,833 | 2,821 | 4,297 | | 10 | 1,812 | 2,764 | 4,144 | | 11 | 1,796 | 2,718 | 4,025 | | 12 | 1,782 | 2,681 | 3,930 | | 13 | 1,771 | 2,650 | 3,852 | | 14 | 1,761 | 2,624 | 3,787 | | 15 | 1,753 | 2,602 | 3,733 | | 16 | 1,746 | 2,583 | 3,686 | | 17 | 1,740 | 2,567 | 3,646 | | 18 | 1,734 | 2,552 | 3,610 | | 19 | 1,729 | 2,539 | 3,579 | | 20 | 1,725 | 2,528 | 3,552 | | 21 | 1,721 | 2,518 | 3,527 | | 22 | 1,717 | 2,508 | 3,505 | | 23 | 1,714 | 2,500 | 3,485 | | 24 | 1,711 | 2,492 | 3,467 | | 25 | 1,708 | 2,485 | 3,450 | | 30 | 1,697 | 2,457 | 3,385 | | 35 | 1,690 | 2,438 | 3,340 | | 40 | 1,684 | 2,423 | 3,307 | | 45 | 1,679 | 2,412 | 3,281 | | 50 | 1,676 | 2,403 | 3,261 | | 60 | 1,671 | 2,390 | 3,232 | | 70 | 1,667 | 2,381 | 3,211 | | 80 | 1,664 | 2,374 | 3,195 | | 90 | 1,662 | 2,368 | 3,183 | | 100 | 1,660 | 2,364 | 3,174 | | $\infty$ | 1,645 | 2,326 | 3,090 | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tabulka A.5:** Kvantily $\chi _{1 - \alpha }^2$rozdělení $\chi ^2$o  $\ensuremath {df} $stupních volnosti   |  |  |  |  | | --- | --- | --- | --- | | $\chi_{1 - \alpha}^2(\ensuremath{df} )$ | $\alpha$ | | | | \ensuremath{df} | 0,05 | 0,01 | 0,001 | | 1 | 3,84 | 6,63 | 10,83 | | 2 | 5,99 | 9,21 | 13,82 | | 3 | 7,81 | 11,34 | 16,27 | | 4 | 9,49 | 13,28 | 18,47 | | 5 | 11,07 | 15,09 | 20,51 | | 6 | 12,59 | 16,81 | 22,46 | | 7 | 14,07 | 18,48 | 24,32 | | 8 | 15,51 | 20,09 | 26,12 | | 9 | 16,92 | 21,67 | 27,88 | | 10 | 18,31 | 23,21 | 29,59 | | 11 | 19,68 | 24,73 | 31,26 | | 12 | 21,03 | 26,22 | 32,91 | | 13 | 22,36 | 27,69 | 34,53 | | 14 | 23,68 | 29,14 | 36,12 | | 15 | 25,00 | 30,58 | 37,70 | | 16 | 26,30 | 32,00 | 39,25 | | 17 | 27,59 | 33,41 | 40,79 | | 18 | 28,87 | 34,81 | 42,31 | | 19 | 30,14 | 36,19 | 43,82 | | 20 | 31,41 | 37,57 | 45,31 | | 21 | 32,67 | 38,93 | 46,80 | | 22 | 33,92 | 40,29 | 48,27 | | 23 | 35,17 | 41,64 | 49,73 | | 24 | 36,42 | 42,98 | 51,18 | | 25 | 37,65 | 44,31 | 52,62 | | 30 | 43,77 | 50,89 | 59,70 | | 35 | 49,80 | 57,34 | 66,62 | | 40 | 55,76 | 63,69 | 73,40 | | 45 | 61,66 | 69,96 | 80,08 | | 50 | 67,50 | 76,15 | 86,66 | | 60 | 79,08 | 88,38 | 99,61 | | 70 | 90,53 | 100,43 | 112,32 | | 80 | 101,88 | 112,33 | 124,84 | | 90 | 113,15 | 124,12 | 137,21 | | 100 | 124,34 | 135,81 | 149,45 | |  |

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| **Tabulka A.6:** 95% kvantily *F* rozdělení o $\nu _1$ (čitatel) a $\nu _2$(jmenovatel) stupních volnosti   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | $F_{0{,}95}(\nu_1,\nu_2)$ | $\nu _1$ | | | | | | | | | $\nu _2$ | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | | 1 | 161,45 | 199,50 | 215,71 | 224,58 | 230,16 | 233,99 | 238,88 | 241,88 | | 2 | 18,51 | 19,00 | 19,16 | 19,25 | 19,30 | 19,33 | 19,37 | 19,40 | | 3 | 10,13 | 9,55 | 9,28 | 9,12 | 9,01 | 8,94 | 8,85 | 8,79 | | 4 | 7,71 | 6,94 | 6,59 | 6,39 | 6,26 | 6,16 | 6,04 | 5,96 | | 5 | 6,61 | 5,79 | 5,41 | 5,19 | 5,05 | 4,95 | 4,82 | 4,74 | | 6 | 5,99 | 5,14 | 4,76 | 4,53 | 4,39 | 4,28 | 4,15 | 4,06 | | 7 | 5,59 | 4,74 | 4,35 | 4,12 | 3,97 | 3,87 | 3,73 | 3,64 | | 8 | 5,32 | 4,46 | 4,07 | 3,84 | 3,69 | 3,58 | 3,44 | 3,35 | | 9 | 5,12 | 4,26 | 3,86 | 3,63 | 3,48 | 3,37 | 3,23 | 3,14 | | 10 | 4,96 | 4,10 | 3,71 | 3,48 | 3,33 | 3,22 | 3,07 | 2,98 | | 11 | 4,84 | 3,98 | 3,59 | 3,36 | 3,20 | 3,09 | 2,95 | 2,85 | | 12 | 4,75 | 3,89 | 3,49 | 3,26 | 3,11 | 3,00 | 2,85 | 2,75 | | 13 | 4,67 | 3,81 | 3,41 | 3,18 | 3,03 | 2,92 | 2,77 | 2,67 | | 14 | 4,60 | 3,74 | 3,34 | 3,11 | 2,96 | 2,85 | 2,70 | 2,60 | | 15 | 4,54 | 3,68 | 3,29 | 3,06 | 2,90 | 2,79 | 2,64 | 2,54 | | 16 | 4,49 | 3,63 | 3,24 | 3,01 | 2,85 | 2,74 | 2,59 | 2,49 | | 17 | 4,45 | 3,59 | 3,20 | 2,96 | 2,81 | 2,70 | 2,55 | 2,45 | | 18 | 4,41 | 3,55 | 3,16 | 2,93 | 2,77 | 2,66 | 2,51 | 2,41 | | 19 | 4,38 | 3,52 | 3,13 | 2,90 | 2,74 | 2,63 | 2,48 | 2,38 | | 20 | 4,35 | 3,49 | 3,10 | 2,87 | 2,71 | 2,60 | 2,45 | 2,35 | | 21 | 4,32 | 3,47 | 3,07 | 2,84 | 2,68 | 2,57 | 2,42 | 2,32 | | 22 | 4,30 | 3,44 | 3,05 | 2,82 | 2,66 | 2,55 | 2,40 | 2,30 | | 23 | 4,28 | 3,42 | 3,03 | 2,80 | 2,64 | 2,53 | 2,37 | 2,27 | | 24 | 4,26 | 3,40 | 3,01 | 2,78 | 2,62 | 2,51 | 2,36 | 2,25 | | 25 | 4,24 | 3,39 | 2,99 | 2,76 | 2,60 | 2,49 | 2,34 | 2,24 | | 30 | 4,17 | 3,32 | 2,92 | 2,69 | 2,53 | 2,42 | 2,27 | 2,16 | | 35 | 4,12 | 3,27 | 2,87 | 2,64 | 2,49 | 2,37 | 2,22 | 2,11 | | 40 | 4,08 | 3,23 | 2,84 | 2,61 | 2,45 | 2,34 | 2,18 | 2,08 | | 45 | 4,06 | 3,20 | 2,81 | 2,58 | 2,42 | 2,31 | 2,15 | 2,05 | | 50 | 4,03 | 3,18 | 2,79 | 2,56 | 2,40 | 2,29 | 2,13 | 2,03 | | 60 | 4,00 | 3,15 | 2,76 | 2,53 | 2,37 | 2,25 | 2,10 | 1,99 | | 70 | 3,98 | 3,13 | 2,74 | 2,50 | 2,35 | 2,23 | 2,07 | 1,97 | | 80 | 3,96 | 3,11 | 2,72 | 2,49 | 2,33 | 2,21 | 2,06 | 1,95 | | 90 | 3,95 | 3,10 | 2,71 | 2,47 | 2,32 | 2,20 | 2,04 | 1,94 | | 100 | 3,94 | 3,09 | 2,70 | 2,46 | 2,31 | 2,19 | 2,03 | 1,93 | |