**جدول 2.8** | قيم t لاحتمالات مختارة- احتمالات (أو مناطق تحت منحني توزيع t)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| مستوى الثقة | 0.1 | 0.3 | 0.5 | 0.7 | 0.8 | 0.9 | 0.95 | 0.98 | 0.99 |
| طرف واحد | 0.45 | 0.35 | 0.25 | 0.15 | 0.1 | 0.05 | 0.025 | 0.01 | 0.005 |
| طرفين | 0.9 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.05 | 0.02 | 0.01 |
| درجات الحرية |  |  |  |  |  |  |  |  |  |
| 1 | 0.1584 | 0.5095 | 1.0000 | 1.9626 | 3.0777 | 6.3138 | 12.7062 | 31.8205 | 63.6567 |
| 2 | 0.1421 | 0.4447 | 0.8165 | 1.3862 | 1.8856 | 2.9200 | 4.3027 | 6.9646 | 9.9248 |
| 3 | 0.1366 | 0.4242 | 0.7649 | 1.2498 | 1.6377 | 2.3534 | 3.1824 | 4.5407 | 5.8409 |
| 4 | 0.1338 | 0.4142 | 0.7407 | 1.1896 | 1.5332 | 2.1318 | 2.7764 | 3.7469 | 4.6041 |
| 5 | 0.1322 | 0.4082 | 0.7267 | 1.1558 | 1.4759 | 2.0150 | 2.5706 | 3.3649 | 4.0321 |
| 6 | 0.1311 | 0.4043 | 0.7176 | 1.1342 | 1.4398 | 1.9432 | 2.4469 | 3.1427 | 3.7074 |
| 7 | 0.1303 | 0.4015 | 0.7111 | 1.1192 | 1.4149 | 1.8946 | 2.3646 | 2.9980 | 3.4995 |
| 8 | 0.1297 | 0.3995 | 0.7064 | 1.1081 | 1.3968 | 1.8595 | 2.3060 | 2.8965 | 3.3554 |
| 9 | 0.1293 | 0.3979 | 0.7027 | 1.0997 | 1.3830 | 1.8331 | 2.2622 | 2.8214 | 3.2498 |
| 10 | 0.1289 | 0.3966 | 0.6998 | 1.0931 | 1.3722 | 1.8125 | 2.2281 | 2.7638 | 3.1693 |
| 11 | 0.1286 | 0.3956 | 0.6974 | 1.0877 | 1.3634 | 1.7959 | 2.2010 | 2.7181 | 3.1058 |
| 12 | 0.1283 | 0.3947 | 0.6955 | 1.0832 | 1.3562 | 1.7823 | 2.1788 | 2.6810 | 3.0545 |
| 13 | 0.1281 | 0.3940 | 0.6938 | 1.0795 | 1.3502 | 1.7709 | 2.1604 | 2.6503 | 3.0123 |
| 14 | 0.1280 | 0.3933 | 0.6924 | 1.0763 | 1.3450 | 1.7613 | 2.1448 | 2.6245 | 2.9768 |
| 15 | 0.1278 | 0.3928 | 0.6912 | 1.0735 | 1.3406 | 1.7531 | 2.1314 | 2.6025 | 2.9467 |
| 16 | 0.1277 | 0.3923 | 0.6901 | 1.0711 | 1.3368 | 1.7459 | 2.1199 | 2.5835 | 2.9208 |
| 17 | 0.1276 | 0.3919 | 0.6892 | 1.0690 | 1.3334 | 1.7396 | 2.1098 | 2.5669 | 2.8982 |
| 18 | 0.1274 | 0.3915 | 0.6884 | 1.0672 | 1.3304 | 1.7341 | 2.1009 | 2.5524 | 2.8784 |
| 19 | 0.1274 | 0.3912 | 0.6876 | 1.0655 | 1.3277 | 1.7291 | 2.0930 | 2.5395 | 2.8609 |
| 20 | 0.1273 | 0.3909 | 0.6870 | 1.0640 | 1.3253 | 1.7247 | 2.0860 | 2.5280 | 2.8453 |
| 21 | 0.1272 | 0.3906 | 0.6864 | 1.0627 | 1.3232 | 1.7207 | 2.0796 | 2.5176 | 2.8314 |
| 22 | 0.1271 | 0.3904 | 0.6858 | 1.0614 | 1.3212 | 1.7171 | 2.0739 | 2.5083 | 2.8188 |
| 23 | 0.1271 | 0.3902 | 0.6853 | 1.0603 | 1.3195 | 1.7139 | 2.0687 | 2.4999 | 2.8073 |
| 24 | 0.1270 | 0.3900 | 0.6848 | 1.0593 | 1.3178 | 1.7109 | 2.0639 | 2.4922 | 2.7969 |
| 25 | 0.1269 | 0.3898 | 0.6844 | 1.0584 | 1.3163 | 1.7081 | 2.0595 | 2.4851 | 2.7874 |
| 26 | 0.1269 | 0.3896 | 0.6840 | 1.0575 | 1.3150 | 1.7056 | 2.0555 | 2.4786 | 2.7787 |
| 27 | 0.1268 | 0.3894 | 0.6837 | 1.0567 | 1.3137 | 1.7033 | 2.0518 | 2.4727 | 2.7707 |
| 28 | 0.1268 | 0.3893 | 0.6834 | 1.0560 | 1.3125 | 1.7011 | 2.0484 | 2.4671 | 2.7633 |
| 29 | 0.1268 | 0.3892 | 0.6830 | 1.0553 | 1.3114 | 1.6991 | 2.0452 | 2.4620 | 2.7564 |
| 30 | 0.1267 | 0.3890 | 0.6828 | 1.0547 | 1.3104 | 1.6973 | 2.0423 | 2.4573 | 2.7500 |
| 40 | 0.1265 | 0.3881 | 0.6807 | 1.0500 | 1.3031 | 1.6839 | 2.0211 | 2.4233 | 2.7045 |
| 50 | 0.1263 | 0.3875 | 0.6794 | 1.0473 | 1.2987 | 1.6759 | 2.0086 | 2.4033 | 2.6778 |
| 60 | 0.1262 | 0.3872 | 0.6786 | 1.0455 | 1.2958 | 1.6706 | 2.0003 | 2.3901 | 2.6603 |
| 70 | 0.1261 | 0.3869 | 0.6780 | 1.0442 | 1.2938 | 1.6669 | 1.9944 | 2.3808 | 2.6479 |
| 80 | 0.1261 | 0.3867 | 0.6776 | 1.0432 | 1.2922 | 1.6641 | 1.9901 | 2.3739 | 2.6387 |
| 90 | 0.1260 | 0.3866 | 0.6772 | 1.0424 | 1.2910 | 1.6620 | 1.9867 | 2.3685 | 2.6316 |
| 100 | 0.1260 | 0.3864 | 0.6770 | 1.0418 | 1.2901 | 1.6602 | 1.9840 | 2.3642 | 2.6259 |
| 250 | 0.1258 | 0.3858 | 0.6755 | 1.0386 | 1.2849 | 1.6510 | 1.9695 | 2.3414 | 2.5956 |
| 500 | 0.1257 | 0.3855 | 0.6750 | 1.0375 | 1.2832 | 1.6479 | 1.9647 | 2.3338 | 2.5857 |
|  | 0.1257 | 0.3853 | 0.6745 | 1.0364 | 1.2816 | 1.6449 | 1.9600 | 2.3263 | 2.5758 |