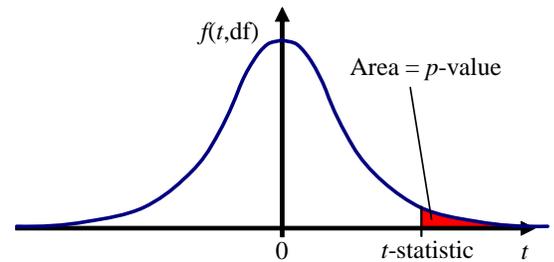


## $p$ -Values for the $t$ Distribution – one tail, df = 9

For *two tails*, multiply the value by 2, since the  $t$  PDF is symmetric.  
 The  $p$ -value is the colored area under the  $t$  PDF in the sketch.

**Example:** 1-tailed  $p$  at  $t = 1.06$ :  $p$ -value = TDIST( $t, df, 1$ ) = 0.15838.  
 2-tailed  $p$  at  $t = 1.06$ :  $p$ -value = TDIST( $t, df, 2$ ) = 0.31676.



| $t$ | 0.00    | 0.01    | 0.02    | 0.03    | 0.04    | 0.05    | 0.06    | 0.07    | 0.08    | 0.09    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0 | 0.50000 | 0.49612 | 0.49224 | 0.48836 | 0.48448 | 0.48061 | 0.47673 | 0.47286 | 0.46899 | 0.46513 |
| 0.1 | 0.46127 | 0.45741 | 0.45356 | 0.44971 | 0.44587 | 0.44204 | 0.43821 | 0.43439 | 0.43057 | 0.42676 |
| 0.2 | 0.42296 | 0.41917 | 0.41539 | 0.41162 | 0.40785 | 0.40410 | 0.40036 | 0.39662 | 0.39290 | 0.38919 |
| 0.3 | 0.38550 | 0.38181 | 0.37814 | 0.37448 | 0.37083 | 0.36719 | 0.36358 | 0.35997 | 0.35638 | 0.35280 |
| 0.4 | 0.34924 | 0.34570 | 0.34217 | 0.33865 | 0.33516 | 0.33168 | 0.32821 | 0.32477 | 0.32134 | 0.31793 |
| 0.5 | 0.31454 | 0.31116 | 0.30781 | 0.30447 | 0.30115 | 0.29785 | 0.29457 | 0.29131 | 0.28807 | 0.28485 |
| 0.6 | 0.28165 | 0.27847 | 0.27532 | 0.27218 | 0.26906 | 0.26597 | 0.26289 | 0.25984 | 0.25681 | 0.25380 |
| 0.7 | 0.25081 | 0.24784 | 0.24490 | 0.24198 | 0.23908 | 0.23620 | 0.23335 | 0.23052 | 0.22771 | 0.22492 |
| 0.8 | 0.22216 | 0.21942 | 0.21670 | 0.21400 | 0.21133 | 0.20868 | 0.20606 | 0.20345 | 0.20087 | 0.19832 |
| 0.9 | 0.19578 | 0.19327 | 0.19079 | 0.18832 | 0.18588 | 0.18346 | 0.18107 | 0.17870 | 0.17635 | 0.17402 |
| 1.0 | 0.17172 | 0.16944 | 0.16718 | 0.16495 | 0.16274 | 0.16055 | 0.15838 | 0.15624 | 0.15412 | 0.15202 |
| 1.1 | 0.14994 | 0.14789 | 0.14586 | 0.14385 | 0.14186 | 0.13989 | 0.13795 | 0.13603 | 0.13412 | 0.13224 |
| 1.2 | 0.13039 | 0.12855 | 0.12673 | 0.12494 | 0.12317 | 0.12141 | 0.11968 | 0.11797 | 0.11628 | 0.11460 |
| 1.3 | 0.11295 | 0.11132 | 0.10971 | 0.10812 | 0.10655 | 0.10499 | 0.10346 | 0.10194 | 0.10045 | 0.09897 |
| 1.4 | 0.09751 | 0.09607 | 0.09465 | 0.09325 | 0.09187 | 0.09050 | 0.08915 | 0.08782 | 0.08650 | 0.08521 |
| 1.5 | 0.08393 | 0.08266 | 0.08142 | 0.08019 | 0.07897 | 0.07778 | 0.07660 | 0.07543 | 0.07428 | 0.07315 |
| 1.6 | 0.07203 | 0.07093 | 0.06984 | 0.06877 | 0.06771 | 0.06667 | 0.06564 | 0.06463 | 0.06363 | 0.06264 |
| 1.7 | 0.06167 | 0.06072 | 0.05977 | 0.05884 | 0.05793 | 0.05702 | 0.05613 | 0.05525 | 0.05439 | 0.05354 |
| 1.8 | 0.05270 | 0.05187 | 0.05105 | 0.05025 | 0.04946 | 0.04868 | 0.04791 | 0.04715 | 0.04640 | 0.04567 |
| 1.9 | 0.04494 | 0.04423 | 0.04353 | 0.04284 | 0.04215 | 0.04148 | 0.04082 | 0.04017 | 0.03953 | 0.03890 |
| 2.0 | 0.03828 | 0.03766 | 0.03706 | 0.03647 | 0.03588 | 0.03531 | 0.03474 | 0.03418 | 0.03363 | 0.03309 |
| 2.1 | 0.03256 | 0.03203 | 0.03152 | 0.03101 | 0.03051 | 0.03002 | 0.02953 | 0.02906 | 0.02859 | 0.02813 |
| 2.2 | 0.02767 | 0.02722 | 0.02678 | 0.02635 | 0.02592 | 0.02550 | 0.02509 | 0.02468 | 0.02428 | 0.02389 |
| 2.3 | 0.02350 | 0.02312 | 0.02274 | 0.02237 | 0.02201 | 0.02165 | 0.02130 | 0.02095 | 0.02061 | 0.02028 |
| 2.4 | 0.01995 | 0.01962 | 0.01931 | 0.01899 | 0.01868 | 0.01838 | 0.01808 | 0.01779 | 0.01750 | 0.01721 |
| 2.5 | 0.01693 | 0.01666 | 0.01638 | 0.01612 | 0.01586 | 0.01560 | 0.01534 | 0.01509 | 0.01485 | 0.01461 |
| 2.6 | 0.01437 | 0.01414 | 0.01391 | 0.01368 | 0.01346 | 0.01324 | 0.01302 | 0.01281 | 0.01260 | 0.01240 |
| 2.7 | 0.01220 | 0.01200 | 0.01180 | 0.01161 | 0.01142 | 0.01124 | 0.01106 | 0.01088 | 0.01070 | 0.01053 |
| 2.8 | 0.01036 | 0.01019 | 0.01002 | 0.00986 | 0.00970 | 0.00954 | 0.00939 | 0.00924 | 0.00909 | 0.00894 |
| 2.9 | 0.00880 | 0.00866 | 0.00852 | 0.00838 | 0.00824 | 0.00811 | 0.00798 | 0.00785 | 0.00772 | 0.00760 |
| 3.0 | 0.00748 | 0.00736 | 0.00724 | 0.00712 | 0.00701 | 0.00690 | 0.00679 | 0.00668 | 0.00657 | 0.00646 |
| 3.1 | 0.00636 | 0.00626 | 0.00616 | 0.00606 | 0.00596 | 0.00587 | 0.00578 | 0.00568 | 0.00559 | 0.00550 |
| 3.2 | 0.00542 | 0.00533 | 0.00524 | 0.00516 | 0.00508 | 0.00500 | 0.00492 | 0.00484 | 0.00476 | 0.00469 |
| 3.3 | 0.00461 | 0.00454 | 0.00447 | 0.00440 | 0.00433 | 0.00426 | 0.00419 | 0.00413 | 0.00406 | 0.00400 |
| 3.4 | 0.00394 | 0.00387 | 0.00381 | 0.00375 | 0.00370 | 0.00364 | 0.00358 | 0.00352 | 0.00347 | 0.00342 |
| 3.5 | 0.00336 | 0.00331 | 0.00326 | 0.00321 | 0.00316 | 0.00311 | 0.00306 | 0.00301 | 0.00297 | 0.00292 |
| 3.6 | 0.00287 | 0.00283 | 0.00279 | 0.00274 | 0.00270 | 0.00266 | 0.00262 | 0.00258 | 0.00254 | 0.00250 |
| 3.7 | 0.00246 | 0.00242 | 0.00239 | 0.00235 | 0.00231 | 0.00228 | 0.00224 | 0.00221 | 0.00217 | 0.00214 |
| 3.8 | 0.00211 | 0.00208 | 0.00204 | 0.00201 | 0.00198 | 0.00195 | 0.00192 | 0.00189 | 0.00187 | 0.00184 |
| 3.9 | 0.00181 | 0.00178 | 0.00176 | 0.00173 | 0.00170 | 0.00168 | 0.00165 | 0.00163 | 0.00160 | 0.00158 |
| 4.0 | 0.00156 | 0.00153 | 0.00151 | 0.00149 | 0.00146 | 0.00144 | 0.00142 | 0.00140 | 0.00138 | 0.00136 |
| 4.1 | 0.00134 | 0.00132 | 0.00130 | 0.00128 | 0.00126 | 0.00124 | 0.00122 | 0.00121 | 0.00119 | 0.00117 |
| 4.2 | 0.00115 | 0.00114 | 0.00112 | 0.00110 | 0.00109 | 0.00107 | 0.00106 | 0.00104 | 0.00102 | 0.00101 |
| 4.3 | 0.00100 | 0.00098 | 0.00097 | 0.00095 | 0.00094 | 0.00093 | 0.00091 | 0.00090 | 0.00089 | 0.00087 |
| 4.4 | 0.00086 | 0.00085 | 0.00084 | 0.00082 | 0.00081 | 0.00080 | 0.00079 | 0.00078 | 0.00077 | 0.00076 |
| 4.5 | 0.00074 | 0.00073 | 0.00072 | 0.00071 | 0.00070 | 0.00069 | 0.00068 | 0.00067 | 0.00066 | 0.00065 |