

FRACTILES DE LA LOI DE STUDENT

Cette table donne les valeurs des fractiles $t_p(v)$ de la loi de Student pour $P \geq 0,60$.

Pour les valeurs $P \leq 0,40$, on a $t_p(v) = -t_{1-p}(v)$.

| $\nu \backslash P$ | 0,60 | 0,70 | 0,80 | 0,90 | 0,95 | 0,975 | 0,990 | 0,995 | 0,999 | 0,9995 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1 | 0,325 | 0,727 | 1,376 | 3,078 | 6,314 | 12,71 | 31,82 | 63,66 | 318,3 | 636,6 |
| 2 | 0,289 | 0,617 | 1,061 | 1,886 | 2,920 | 4,303 | 6,965 | 9,925 | 22,33 | 31,60 |
| 3 | 0,277 | 0,584 | 0,978 | 1,638 | 2,353 | 3,182 | 4,541 | 5,841 | 10,22 | 12,94 |
| 4 | 0,271 | 0,569 | 0,941 | 1,533 | 2,132 | 2,776 | 3,747 | 4,604 | 7,173 | 8,610 |
| 5 | 0,267 | 0,559 | 0,920 | 1,476 | 2,015 | 2,571 | 3,365 | 4,032 | 5,893 | 6,859 |
| 6 | 0,265 | 0,553 | 0,906 | 1,440 | 1,943 | 2,447 | 3,143 | 3,707 | 5,208 | 5,959 |
| 7 | 0,263 | 0,549 | 0,896 | 1,415 | 1,895 | 2,365 | 2,998 | 3,499 | 4,785 | 5,405 |
| 8 | 0,262 | 0,546 | 0,889 | 1,397 | 1,860 | 2,306 | 2,896 | 3,355 | 4,501 | 5,041 |
| 9 | 0,261 | 0,543 | 0,883 | 1,383 | 1,833 | 2,262 | 2,821 | 3,250 | 4,297 | 4,781 |
| 10 | 0,260 | 0,542 | 0,879 | 1,372 | 1,812 | 2,228 | 2,764 | 3,169 | 4,144 | 4,587 |
| 11 | 0,260 | 0,540 | 0,876 | 1,363 | 1,796 | 2,201 | 2,718 | 3,106 | 4,025 | 4,437 |
| 12 | 0,259 | 0,539 | 0,873 | 1,356 | 1,782 | 2,179 | 2,681 | 3,055 | 3,930 | 4,318 |
| 13 | 0,259 | 0,538 | 0,870 | 1,350 | 1,771 | 2,160 | 2,650 | 3,012 | 3,852 | 4,221 |
| 14 | 0,258 | 0,537 | 0,868 | 1,345 | 1,761 | 2,145 | 2,624 | 2,977 | 3,787 | 4,140 |
| 15 | 0,258 | 0,536 | 0,866 | 1,341 | 1,753 | 2,131 | 2,602 | 2,947 | 3,733 | 4,073 |
| 16 | 0,258 | 0,535 | 0,865 | 1,337 | 1,746 | 2,120 | 2,583 | 2,921 | 3,686 | 4,015 |
| 17 | 0,257 | 0,534 | 0,863 | 1,333 | 1,740 | 2,110 | 2,567 | 2,898 | 3,646 | 3,965 |
| 18 | 0,257 | 0,534 | 0,862 | 1,330 | 1,734 | 2,101 | 2,552 | 2,878 | 3,611 | 3,922 |
| 19 | 0,257 | 0,533 | 0,861 | 1,328 | 1,729 | 2,093 | 2,539 | 2,861 | 3,579 | 3,883 |
| 20 | 0,257 | 0,533 | 0,860 | 1,325 | 1,725 | 2,086 | 2,528 | 2,845 | 3,552 | 3,850 |
| 21 | 0,257 | 0,532 | 0,859 | 1,323 | 1,721 | 2,080 | 2,518 | 2,831 | 3,527 | 3,819 |
| 22 | 0,256 | 0,532 | 0,858 | 1,321 | 1,717 | 2,074 | 2,508 | 2,819 | 3,505 | 3,792 |
| 23 | 0,256 | 0,532 | 0,858 | 1,319 | 1,714 | 2,069 | 2,500 | 2,807 | 3,485 | 3,767 |
| 24 | 0,256 | 0,531 | 0,857 | 1,318 | 1,711 | 2,064 | 2,492 | 2,797 | 3,467 | 3,745 |
| 25 | 0,256 | 0,531 | 0,856 | 1,316 | 1,708 | 2,060 | 2,485 | 2,787 | 3,450 | 3,725 |
| 26 | 0,256 | 0,531 | 0,856 | 1,315 | 1,706 | 2,056 | 2,479 | 2,779 | 3,435 | 3,707 |
| 27 | 0,256 | 0,531 | 0,855 | 1,314 | 1,703 | 2,052 | 2,473 | 2,771 | 3,421 | 3,690 |
| 28 | 0,256 | 0,530 | 0,855 | 1,313 | 1,701 | 2,048 | 2,467 | 2,763 | 3,408 | 3,674 |
| 29 | 0,256 | 0,530 | 0,854 | 1,311 | 1,699 | 2,045 | 2,462 | 2,756 | 3,396 | 3,659 |
| 30 | 0,256 | 0,530 | 0,854 | 1,310 | 1,697 | 2,042 | 2,457 | 2,750 | 3,385 | 3,646 |
| 32 | 0,256 | 0,530 | 0,853 | 1,309 | 1,694 | 2,037 | 2,449 | 2,738 | 3,365 | 3,622 |
| 34 | 0,255 | 0,529 | 0,852 | 1,307 | 1,691 | 2,032 | 2,441 | 2,728 | 3,348 | 3,601 |
| 36 | 0,255 | 0,529 | 0,852 | 1,306 | 1,688 | 2,028 | 2,434 | 2,719 | 3,333 | 3,582 |
| 38 | 0,255 | 0,529 | 0,851 | 1,304 | 1,686 | 2,024 | 2,429 | 2,712 | 3,319 | 3,566 |
| 40 | 0,255 | 0,529 | 0,851 | 1,303 | 1,684 | 2,021 | 2,423 | 2,704 | 3,307 | 3,551 |
| 50 | 0,255 | 0,528 | 0,849 | 1,298 | 1,676 | 2,009 | 2,403 | 2,678 | 3,261 | 3,496 |
| 60 | 0,254 | 0,527 | 0,848 | 1,296 | 1,671 | 2,000 | 2,390 | 2,660 | 3,232 | 3,460 |
| 70 | 0,254 | 0,527 | 0,847 | 1,294 | 1,667 | 1,994 | 2,381 | 2,648 | 3,211 | 3,435 |
| 80 | 0,254 | 0,527 | 0,846 | 1,292 | 1,664 | 1,990 | 2,374 | 2,639 | 3,195 | 3,415 |
| 90 | 0,254 | 0,526 | 0,846 | 1,291 | 1,662 | 1,987 | 2,368 | 2,632 | 3,183 | 3,402 |
| 100 | 0,254 | 0,526 | 0,845 | 1,290 | 1,660 | 1,984 | 2,365 | 2,626 | 3,174 | 3,389 |
| 200 | 0,254 | 0,525 | 0,843 | 1,286 | 1,653 | 1,972 | 2,345 | 2,601 | 3,131 | 3,339 |
| 500 | 0,253 | 0,525 | 0,842 | 1,283 | 1,648 | 1,965 | 2,334 | 2,586 | 3,106 | 3,310 |
| ∞ | 0,253 | 0,524 | 0,842 | 1,282 | 1,645 | 1,960 | 2,326 | 2,576 | 3,090 | 3,291 |

N.B. Pour $\nu > 40$, on pourra utiliser l'approximation suivante :

$$t_p(\nu) = u_p + \frac{(u_p^3 + u_p)}{4\nu}$$

où u_p est le fractile d'ordre P de la loi normale réduite.