

D Students t -Verteilung

Tabelliert sind die Quantile für n Freiheitsgrade. Für das Quantil $t_{1-\alpha}(n)$ gilt $F(t_{1-\alpha}(n)) = 1 - \alpha$. Links vom Quantil $t_{1-\alpha}(n)$ liegt die Wahrscheinlichkeitsmasse $1 - \alpha$.

Ablesebeispiel: $t_{0.99}(20) = 2.528$

Die Quantile für $0 < 1 - \alpha < 0.5$ erhält man aus $t_{\alpha}(n) = -t_{1-\alpha}(n)$

Approximation für $n > 30$: $t_{\alpha}(n) \approx z_{\alpha}$ (z_{α} ist das (α) -Quantil der Standardnormalverteilung)

n	0.6	0.8	0.9	0.95	0.975	0.99	0.995	0.999	0.9995
1	0.3249	1.3764	3.0777	6.3138	12.706	31.821	63.657	318.31	636.62
2	0.2887	1.0607	1.8856	2.9200	4.3027	6.9646	9.9248	22.327	31.599
3	0.2767	0.9785	1.6377	2.3534	3.1824	4.5407	5.8409	10.215	12.924
4	0.2707	0.9410	1.5332	2.1318	2.7764	3.7469	4.6041	7.1732	8.6103
5	0.2672	0.9195	1.4759	2.0150	2.5706	3.3649	4.0321	5.8934	6.8688
6	0.2648	0.9057	1.4398	1.9432	2.4469	3.1427	3.7074	5.2076	5.9588
7	0.2632	0.8960	1.4149	1.8946	2.3646	2.9980	3.4995	4.7853	5.4079
8	0.2619	0.8889	1.3968	1.8595	2.3060	2.8965	3.3554	4.5008	5.0413
9	0.2610	0.8834	1.3830	1.8331	2.2622	2.8214	3.2498	4.2968	4.7809
10	0.2602	0.8791	1.3722	1.8125	2.2281	2.7638	3.1693	4.1437	4.5869
11	0.2596	0.8755	1.3634	1.7959	2.2010	2.7181	3.1058	4.0247	4.4370
12	0.2590	0.8726	1.3562	1.7823	2.1788	2.6810	3.0545	3.9296	4.3178
13	0.2586	0.8702	1.3502	1.7709	2.1604	2.6503	3.0123	3.8520	4.2208
14	0.2582	0.8681	1.3450	1.7613	2.1448	2.6245	2.9768	3.7874	4.1405
15	0.2579	0.8662	1.3406	1.7531	2.1314	2.6025	2.9467	3.7328	4.0728
16	0.2576	0.8647	1.3368	1.7459	2.1199	2.5835	2.9208	3.6862	4.0150
17	0.2573	0.8633	1.3334	1.7396	2.1098	2.5669	2.8982	3.6458	3.9651
18	0.2571	0.8620	1.3304	1.7341	2.1009	2.5524	2.8784	3.6105	3.9216
19	0.2569	0.8610	1.3277	1.7291	2.0930	2.5395	2.8609	3.5794	3.8834
20	0.2567	0.8600	1.3253	1.7247	2.0860	2.5280	2.8453	3.5518	3.8495
21	0.2566	0.8591	1.3232	1.7207	2.0796	2.5176	2.8314	3.5272	3.8193
22	0.2564	0.8583	1.3212	1.7171	2.0739	2.5083	2.8188	3.5050	3.7921
23	0.2563	0.8575	1.3195	1.7139	2.0687	2.4999	2.8073	3.4850	3.7676
24	0.2562	0.8569	1.3178	1.7109	2.0639	2.4922	2.7969	3.4668	3.7454
25	0.2561	0.8562	1.3163	1.7081	2.0595	2.4851	2.7874	3.4502	3.7251
26	0.2560	0.8557	1.3150	1.7056	2.0555	2.4786	2.7787	3.4350	3.7066
27	0.2559	0.8551	1.3137	1.7033	2.0518	2.4727	2.7707	3.4210	3.6896
28	0.2558	0.8546	1.3125	1.7011	2.0484	2.4671	2.7633	3.4082	3.6739
29	0.2557	0.8542	1.3114	1.6991	2.0452	2.4620	2.7564	3.3962	3.6594
30	0.2556	0.8538	1.3104	1.6973	2.0423	2.4573	2.7500	3.3852	3.6460
∞	0.2533	0.8416	1.2816	1.6449	1.9600	2.3263	2.5758	3.0903	3.2906