



Two-tailed	0.0005	0.001	0.002	0.005	0.01	0.02	0.05	0.1	0.2	0.5
One-tailed	0.00025	0.0005	0.001	0.0025	0.005	0.01	0.025	0.05	0.1	0.25
ν										
1	1273	636.6	318.3	127.3	63.66	31.82	12.71	6.314	3.078	1.000
2	44.70	31.60	22.33	14.09	9.925	6.965	4.303	2.920	1.886	0.816
3	16.33	12.92	10.22	7.453	5.841	4.541	3.182	2.353	1.638	0.765
4	10.31	8.610	7.173	5.598	4.604	3.747	2.776	2.132	1.533	0.741
5	7.976	6.869	5.893	4.773	4.032	3.365	2.571	2.015	1.476	0.727
6	6.788	5.959	5.208	4.317	3.707	3.143	2.447	1.943	1.440	0.718
7	6.082	5.408	4.785	4.029	3.499	2.998	2.365	1.895	1.415	0.711
8	5.617	5.041	4.501	3.833	3.355	2.896	2.306	1.860	1.397	0.706
9	5.291	4.781	4.297	3.690	3.250	2.821	2.262	1.833	1.383	0.703
10	5.049	4.587	4.144	3.581	3.169	2.764	2.228	1.812	1.372	0.700
11	4.863	4.437	4.025	3.497	3.106	2.718	2.201	1.796	1.363	0.697
12	4.716	4.318	3.930	3.428	3.055	2.681	2.179	1.782	1.356	0.696
13	4.597	4.221	3.852	3.372	3.012	2.650	2.160	1.771	1.350	0.694
14	4.499	4.140	3.787	3.326	2.977	2.624	2.145	1.761	1.345	0.692
15	4.417	4.073	3.733	3.286	2.947	2.602	2.131	1.753	1.341	0.691
16	4.346	4.015	3.686	3.252	2.921	2.583	2.120	1.746	1.337	0.690
17	4.286	3.965	3.646	3.222	2.898	2.567	2.110	1.740	1.333	0.689
18	4.233	3.922	3.610	3.197	2.878	2.552	2.101	1.734	1.330	0.688
19	4.187	3.883	3.579	3.174	2.861	2.539	2.093	1.729	1.328	0.688
20	4.146	3.850	3.552	3.153	2.845	2.528	2.086	1.725	1.325	0.687
21	4.110	3.819	3.527	3.135	2.831	2.518	2.080	1.721	1.323	0.686
22	4.077	3.792	3.505	3.119	2.819	2.508	2.074	1.717	1.321	0.686
23	4.047	3.768	3.485	3.104	2.807	2.500	2.069	1.714	1.319	0.685
24	4.021	3.745	3.467	3.091	2.797	2.492	2.064	1.711	1.318	0.685
25	3.996	3.725	3.450	3.078	2.787	2.485	2.060	1.708	1.316	0.684
26	3.974	3.707	3.435	3.067	2.779	2.479	2.056	1.706	1.315	0.684
27	3.954	3.690	3.421	3.057	2.771	2.473	2.052	1.703	1.314	0.684
28	3.935	3.674	3.408	3.047	2.763	2.467	2.048	1.701	1.313	0.683
29	3.918	3.659	3.396	3.038	2.756	2.462	2.045	1.699	1.311	0.683
30	3.902	3.646	3.385	3.030	2.750	2.457	2.042	1.697	1.310	0.683
35	3.836	3.591	3.340	2.996	2.724	2.438	2.030	1.690	1.306	0.682
40	3.788	3.551	3.307	2.971	2.704	2.423	2.021	1.684	1.303	0.681
45	3.752	3.520	3.281	2.952	2.690	2.412	2.014	1.679	1.301	0.680
50	3.723	3.496	3.261	2.937	2.678	2.403	2.009	1.676	1.299	0.679
60	3.681	3.460	3.232	2.915	2.660	2.390	2.000	1.671	1.296	0.679
70	3.651	3.435	3.211	2.899	2.648	2.381	1.994	1.667	1.294	0.678
80	3.629	3.416	3.195	2.887	2.639	2.374	1.990	1.664	1.292	0.678
90	3.612	3.402	3.183	2.879	2.632	2.368	1.987	1.662	1.291	0.677
100	3.598	3.390	3.174	2.871	2.626	2.364	1.984	1.660	1.290	0.676
∞	3.481	3.291	3.090	2.807	2.576	2.326	1.960	1.645	1.282	0.674

t-Distribution: Values of $|t|$ corresponding to two-tailed and one-tailed p-values for Student's t- distribution