



The table reports the critical value t^* (or z^*) corresponding to the indicated Confidence Level or Right-tail Probability.

Table B – t distribution critical values

	Confidence Level							
	80%	90%	95%	96%	98%	99%	99.5%	99.9%
df	Right-tail Probability							
	0.10	0.05	0.025	0.02	0.01	0.005	0.0025	0.0005
1	3.078	6.314	12.706	15.895	31.821	63.657	127.321	636.619
2	1.886	2.920	4.303	4.849	6.965	9.925	14.089	31.599
3	1.638	2.353	3.182	3.482	4.541	5.841	7.453	12.924
4	1.533	2.132	2.776	2.999	3.747	4.604	5.598	8.610
5	1.476	2.015	2.571	2.757	3.365	4.032	4.773	6.869
6	1.440	1.943	2.447	2.612	3.143	3.707	4.317	5.959
7	1.415	1.895	2.365	2.517	2.998	3.499	4.029	5.408
8	1.397	1.860	2.306	2.449	2.896	3.355	3.833	5.041
9	1.383	1.833	2.262	2.398	2.821	3.250	3.690	4.781
10	1.372	1.812	2.228	2.359	2.764	3.169	3.581	4.587
11	1.363	1.796	2.201	2.328	2.718	3.106	3.497	4.437
12	1.356	1.782	2.179	2.303	2.681	3.055	3.428	4.318
13	1.350	1.771	2.160	2.282	2.650	3.012	3.372	4.221
14	1.345	1.761	2.145	2.264	2.624	2.977	3.326	4.140
15	1.341	1.753	2.131	2.249	2.602	2.947	3.286	4.073
16	1.337	1.746	2.120	2.235	2.583	2.921	3.252	4.015
17	1.333	1.740	2.110	2.224	2.567	2.898	3.222	3.965
18	1.330	1.734	2.101	2.214	2.552	2.878	3.197	3.922
19	1.328	1.729	2.093	2.205	2.539	2.861	3.174	3.883
20	1.325	1.725	2.086	2.197	2.528	2.845	3.153	3.850
21	1.323	1.721	2.080	2.189	2.518	2.831	3.135	3.819
22	1.321	1.717	2.074	2.183	2.508	2.819	3.119	3.792
23	1.319	1.714	2.069	2.177	2.500	2.807	3.104	3.768
24	1.318	1.711	2.064	2.172	2.492	2.797	3.091	3.745
25	1.316	1.708	2.060	2.167	2.485	2.787	3.078	3.725
26	1.315	1.706	2.056	2.162	2.479	2.779	3.067	3.707
27	1.314	1.703	2.052	2.158	2.473	2.771	3.057	3.690
28	1.313	1.701	2.048	2.154	2.467	2.763	3.047	3.674
29	1.311	1.699	2.045	2.150	2.462	2.756	3.038	3.659
30	1.310	1.697	2.042	2.147	2.457	2.750	3.030	3.646
40	1.303	1.684	2.021	2.123	2.423	2.704	2.971	3.551
50	1.299	1.676	2.009	2.109	2.403	2.678	2.937	3.496
60	1.296	1.671	2.000	2.099	2.390	2.660	2.915	3.460
80	1.292	1.664	1.990	2.088	2.374	2.639	2.887	3.416
100	1.290	1.660	1.984	2.081	2.364	2.626	2.871	3.390
z^*	1.282	1.645	1.960	2.054	2.326	2.576	2.807	3.291