Table of t Values

Tail Probability 1-tail	Degrees of Freedom 1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	50	100	1000 $\approx \infty$	Confidence Levels 2-sided
0.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
0.4	0.325	0.289	0.277	0.271	0.267	0.265	0.263	0.262	0.261	0.260	0.259	0.258	0.257	0.256	0.256	0.255	0.255	0.254	0.253	
0.3	0.727	0.617	0.584	0.569	0.559	0.553	0.549	0.546	0.543	0.542	0.539	0.536	0.533	0.531	0.530	0.529	0.528	0.526	0.525	
0.25	1.000	0.816	0.765	0.741	0.727	0.718	0.711	0.706	0.703	0.700	0.695	0.691	0.687	0.684	0.683	0.681	0.679	0.677	0.675	
0.2	1.376	1.061	0.978	0.941	0.920	0.906	0.896	0.889	0.883	0.879	0.873	0.866	0.860	0.856	0.854	0.851	0.849	0.845	0.842	
0.17	1.691	1.242	1.132	1.082	1.054	1.036	1.024	1.015	1.008	1.002	0.994	0.986	0.977	0.973	0.970	0.966	0.963	0.959	0.955	
0.15	1.963	1.386	1.250	1.190	1.156	1.134	1.119	1.108	1.100	1.093	1.083	1.074	1.064	1.058	1.055	1.050	1.047	1.042	1.037	
0.14	2.125	1.467	1.315	1.248	1.211	1.187	1.171	1.159	1.149	1.142	1.131	1.121	1.110	1.104	1.100	1.095	1.092	1.086	1.081	
0.13	2.311	1.556	1.385	1.311	1.270	1.244	1.226	1.212	1.202	1.194	1.182	1.171	1.159	1.153	1.148	1.143	1.139	1.133	1.127	
0.12	2.526	1.654	1.462	1.379	1.333	1.304	1.284	1.269	1.258	1.249	1.236	1.224	1.211	1.204	1.199	1.193	1.189	1.182	1.176	
0.11	2.778	1.763	1.545	1.453	1.401	1.369	1.347	1.331	1.318	1.308	1.294	1.280	1.266	1.258	1.253	1.246	1.242	1.234	1.227	
0.1	3.078	1.886	1.638	1.533	1.476	1.440	1.415	1.397	1.383	1.372	1.356	1.341	1.325	1.316	1.310	1.303	1.299	1.290	1.282	80%
0.09	3.442	2.026	1.741	1.623	1.558	1.517	1.489	1.469	1.454	1.442	1.424	1.406	1.389	1.379	1.373	1.365	1.360	1.350	1.342	
0.08	3.895	2.189	1.859	1.723	1.649	1.603	1.572	1.549	1.532	1.518	1.498	1.478	1.459	1.448	1.441	1.432	1.426	1.416	1.406	
0.075	4.165	2.282	1.924	1.778	1.699	1.650	1.617	1.592	1.574	1.559	1.538	1.517	1.497	1.485	1.477	1.468	1.462	1.451	1.441	
0.07	4.474	2.383	1.995	1.838	1.753	1.700	1.664	1.638	1.619	1.603	1.580	1.558	1.537	1.524	1.516	1.506	1.500	1.488	1.477	
0.065	4.829	2.495	2.072	1.902	1.810	1.754	1.715	1.687	1.666	1.650	1.626	1.602	1.579	1.566	1.557	1.546	1.539	1.527	1.515	
0.06	5.242	2.620	2.156	1.971	1.873	1.812	1.770	1.740	1.718	1.700	1.674	1.649	1.624	1.610	1.600	1.589	1.582	1.568	1.556	
0.055	5.730	2.760	2.249	2.048	1.941	1.874	1.830	1.797	1.773	1.754	1.726	1.699	1.672	1.657	1.647	1.635	1.627	1.613	1.600	
0.05	6.314	2.920	2.353	2.132	2.015	1.943	1.895	1.860	1.833	1.812	1.782	1.753	1.725	1.708	1.697	1.684	1.676	1.660	1.646	90%
0.045	7.026	3.104	2.471	2.226	2.098	2.019	1.966	1.928	1.899	1.877	1.844	1.812	1.782	1.764	1.752	1.737	1.729	1.712	1.697	
0.04	7.916	3.320	2.605	2.333	2.191	2.104	2.046	2.004	1.973	1.948	1.912	1.878	1.844	1.825	1.812	1.796	1.787	1.769	1.752	
0.035	9.058	3.578	2.763	2.456	2.297	2.201	2.136	2.090	2.055	2.028	1.989	1.951	1.914	1.893	1.879	1.862	1.852	1.832	1.814	
0.03	10.57	3.896	2.951	2.601	2.422	2.313	2.241	2.189	2.150	2.120	2.076	2.034	1.994	1.970	1.955	1.936	1.924	1.902	1.883	
0.025	12.70	4.303	3.182	2.776	2.571	2.447	2.365	2.306	2.262	2.228	2.179	2.131	2.086	2.060	2.042	2.021	2.009	1.984	1.962	95%
0.02	15.89	4.849	3.482	2.999	2.757	2.612	2.517	2.449	2.398	2.359	2.303	2.249	2.197	2.167	2.147	2.123	2.109	2.081	2.056	
0.017	18.71	5.284	3.712	3.166	2.895	2.734	2.628	2.553	2.498	2.454	2.392	2.333	2.276	2.243	2.222	2.195	2.180	2.150	2.123	
0.015	21.21	5.643	3.896	3.298	3.003	2.829	2.715	2.634	2.574	2.527	2.461	2.397	2.336	2.301	2.278	2.250	2.234	2.202	2.173	
0.012	26.51	6.338	4.241	3.541	3.200	3.000	2.870	2.778	2.710	2.658	2.582	2.511	2.442	2.403	2.378	2.346	2.328	2.292	2.261	
0.01	31.82	6.965	4.541	3.747	3.365	3.143	2.998	2.896	2.821	2.764	2.681	2.602	2.528	2.485	2.457	2.423	2.403	2.364	2.330	98%
0.007	45.47	8.363	5.175	4.173	3.700	3.428	3.253	3.131	3.041	2.972	2.873	2.781	2.693	2.642	2.610	2.570	2.547	2.501	2.462	
0.005	63.65	9.925	5.841	4.604	4.032	3.707	3.499	3.355	3.250	3.169	3.055	2.947	2.845	2.787	2.750	2.704	2.678	2.626	2.581	99%
0.003	106.1	12.85	6.994	5.321	4.570	4.152	3.887	3.705	3.573	3.472	3.330	3.197	3.073	3.003	2.957	2.902	2.870	2.808	2.754	
0.002	159.2	15.76	8.053	5.951	5.030	4.524	4.207	3.991	3.835	3.716	3.550	3.395	3.251	3.170	3.118	3.055	3.018	2.946	2.885	
0.001	318.3	22.32	10.21	7.173	5.893	5.208	4.785	4.501	4.297	4.144	3.930	3.733	3.552	3.450	3.385	3.307	3.261	3.174	3.098	99.8%
.0005	636.6	31.59	12.92	8.610	6.869	5.959	5.408	5.041	4.781	4.587	4.318	4.073	3.850	3.725	3.646	3.551	3.496	3.391	3.300	99.9%
.0001	3183	70.70	22.20	13.03	9.678	8.025	7.063	6.442	6.010	5.694	5.263	4.880	4.539	4.352	4.234	4.094	4.014	3.862	3.733	
5e-5	6366	99.98	27.99	15.54	11.18	9.082	7.884	7.120	6.594	6.210	5.694	5.239	4.837	4.620	4.482	4.320	4.228	4.053	3.906	99.99%

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