

STATISTICAL TABLES

Note: $t_{[p;n]} = t_{n,p}$ in the lecture notes

$p = 1 - \frac{\alpha}{2}$

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A.4 QUANTILES OF THE t DISTRIBUTION

Table A.4 lists $t_{[p;n]}$. For example, the $t_{[0.95;14]}$ required for a two-sided 90% confidence interval of the mean of a sample of 14 observation is 1.771.

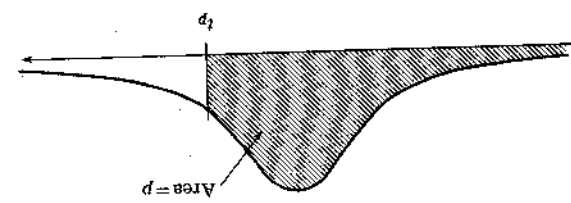


TABLE A.4 Quantiles of the t Distribution

n	0.6000	0.7000	0.8000	0.9000	0.9500	0.9750	0.9950
1	0.325	0.727	1.377	3.078	6.314	12.706	63.657
2	0.289	0.617	1.061	1.886	2.920	4.303	31.599
3	0.277	0.584	0.978	1.638	2.353	3.182	5.841
4	0.271	0.569	0.941	1.533	2.132	2.776	4.604
5	0.267	0.559	0.920	1.476	2.015	2.571	4.032
6	0.265	0.553	0.906	1.440	1.943	2.447	3.707
7	0.263	0.549	0.896	1.415	1.895	2.365	3.499
8	0.262	0.546	0.889	1.397	1.860	2.306	3.355
9	0.261	0.543	0.883	1.383	1.833	2.262	3.250
10	0.260	0.540	0.879	1.372	1.812	2.228	3.169
11	0.260	0.539	0.876	1.363	1.796	2.201	3.106
12	0.259	0.539	0.873	1.356	1.782	2.179	3.055
13	0.259	0.538	0.870	1.350	1.771	2.160	3.012
14	0.258	0.537	0.868	1.345	1.761	2.145	2.977
15	0.258	0.536	0.866	1.341	1.753	2.131	2.947
16	0.258	0.535	0.865	1.337	1.746	2.120	2.921
17	0.257	0.534	0.863	1.333	1.740	2.110	2.898
18	0.257	0.534	0.862	1.330	1.734	2.101	2.878
19	0.257	0.533	0.861	1.328	1.729	2.093	2.861
20	0.257	0.533	0.860	1.325	1.725	2.086	2.845
21	0.257	0.532	0.859	1.323	1.721	2.080	2.831
22	0.256	0.532	0.858	1.321	1.717	2.074	2.819
23	0.256	0.532	0.858	1.319	1.714	2.069	2.807
24	0.256	0.531	0.857	1.318	1.711	2.064	2.797
25	0.256	0.531	0.856	1.316	1.708	2.060	2.787
26	0.256	0.531	0.856	1.315	1.706	2.056	2.779
27	0.256	0.531	0.855	1.314	1.703	2.052	2.771
28	0.256	0.530	0.855	1.313	1.701	2.048	2.763
29	0.256	0.530	0.854	1.311	1.699	2.045	2.756
30	0.256	0.530	0.854	1.310	1.697	2.042	2.750
60	0.254	0.527	0.848	1.296	1.671	2.000	2.660
90	0.254	0.526	0.846	1.291	1.662	1.987	2.632
120	0.254	0.526	0.845	1.289	1.658	1.980	2.617
3.373							