

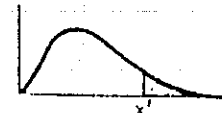
Tabel 1 : Distribusi t

**Critical Values of the *t*-Distribution**

Degrees of Freedom	Level of Significance					
	One Sided: Two Sided:	10% 20%	5% 10%	2.5% 5%	1% 2%	0.5% 1%
1		3.078	6.314	12.706	31.821	63.657
2		1.886	2.920	4.303	6.965	9.925
3		1.638	2.353	3.182	4.541	5.841
4		1.533	2.132	2.776	3.747	4.604
5		1.476	2.015	2.571	3.365	4.032
6		1.440	1.943	2.447	3.143	3.707
7		1.415	1.895	2.365	2.998	3.499
8		1.397	1.860	2.306	2.896	3.355
9		1.383	1.833	2.262	2.821	3.250
10		1.372	1.812	2.228	2.764	3.169
11		1.363	1.796	2.201	2.718	3.106
12		1.356	1.782	2.179	2.681	3.055
13		1.350	1.771	2.160	2.650	3.012
14		1.345	1.761	2.145	2.624	2.977
15		1.341	1.753	2.131	2.602	2.947
16		1.337	1.746	2.120	2.583	2.921
17		1.333	1.740	2.110	2.567	2.898
18		1.330	1.734	2.101	2.552	2.878
19		1.328	1.729	2.093	2.539	2.861
20		1.325	1.725	2.086	2.528	2.845
21		1.323	1.721	2.080	2.518	2.831
22		1.321	1.717	2.074	2.508	2.819
23		1.319	1.714	2.069	2.500	2.807
24		1.318	1.711	2.064	2.492	2.797
25		1.316	1.708	2.060	2.485	2.787
26		1.315	1.706	2.056	2.479	2.779
27		1.314	1.703	2.052	2.473	2.771
28		1.313	1.701	2.048	2.467	2.763
29		1.311	1.699	2.045	2.462	2.756
30		1.310	1.697	2.042	2.457	2.750
(Normal) ∞		1.282	1.645	1.960	2.326	2.576

Tabel 2 : Distribusi  $\chi^2$

Kolom pertama merupakan angka derajat bebas. Judul pada kolom lainnya merupakan probabilitas (P) untuk yang melebihi  $\chi^2$  nilai di dalam tabel.



df	P			
	0,050	0,025	0,010	0,005
1	3,84146	5,02389	6,63490	7,87944
2	5,99147	7,37776	9,21034	10,5966
3	7,81473	9,34840	11,3449	12,8381
4	9,48773	11,1433	13,2767	14,8602
5	11,0705	12,8325	15,0863	16,7496
6	12,5916	14,4494	16,8119	18,5476
7	14,0671	16,0128	18,4753	20,2777
8	15,5073	17,5346	20,0902	21,9550
9	16,9190	19,0228	21,6660	23,5893
10	18,3070	20,4831	23,2093	25,1882
11	19,6751	21,9200	24,7250	26,7569
12	21,0261	23,3367	26,2170	28,2995
13	22,3621	24,7356	27,6883	29,8194
14	23,6848	26,1190	29,1413	31,3193
15	24,9958	27,4884	30,5779	32,8013
16	26,2962	28,8454	31,9999	34,2672
17	27,5871	30,1910	33,4007	35,7185
18	28,8693	31,5264	34,8053	37,1564
19	30,1435	32,8523	36,1908	38,5822
20	31,4104	34,1696	37,5662	39,9968
21	32,6705	35,4789	38,9321	41,4010
22	33,9244	36,7807	40,2894	42,7956
23	35,1725	38,0757	41,6384	44,1813
24	36,4151	39,3641	42,9798	45,5585
25	37,6525	40,6465	44,3141	46,9278
26	38,8852	41,9232	45,6417	48,2899
27	40,1133	43,1944	46,9630	49,6449
28	41,3372	44,4607	48,2782	50,9933
29	42,5569	45,7222	49,5879	52,3356
30	43,7729	46,9792	50,8922	53,6720
40	55,7585	59,3417	63,6907	66,7659
50	67,5048	71,4202	76,1539	79,4900
60	79,0819	83,2976	88,3794	91,9517
70	90,5312	95,0231	100,425	104,215
80	101,879	106,629	112,329	116,321
90	113,145	118,136	124,116	128,299
100	124,342	129,561	135,807	140,169

Sumber: Donald J. Konitt, *Business Statistics*. New York: John Wiley & Sons Inc., 1972.

Tabel 3 : Distribusi F

Critical Values of the F-Statistic: 5-Percent Level of Significance

df1	df2 = degrees of freedom for denominator																		
	1	2	3	4	5	6	7	8	9	10	12	15	20	24	30	40	60	120	∞
1	161	200	216	225	230	234	237	239	241	242	244	246	248	249	250	251	252	253	254
2	18.5	19.0	19.2	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5
3	10.1	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.74	8.70	8.66	8.64	8.62	8.59	8.57	8.55	8.53
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.91	5.86	5.80	5.77	5.75	5.72	5.69	5.66	5.63
5	6.61	5.72	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.68	4.62	4.56	4.53	4.50	4.46	4.43	4.40	4.37
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.00	3.94	3.87	3.84	3.81	3.77	3.74	3.70	3.67
7	5.52	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.57	3.51	3.44	3.41	3.38	3.34	3.30	3.27	3.23
8	5.12	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.28	3.22	3.15	3.12	3.08	3.04	3.01	2.97	2.93
9	4.78	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.07	3.01	2.94	2.90	2.86	2.83	2.79	2.75	2.71
10	4.56	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.91	2.85	2.77	2.74	2.70	2.66	2.62	2.58	2.54
11	4.41	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.79	2.72	2.65	2.61	2.57	2.53	2.49	2.45	2.40
12	4.35	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.69	2.62	2.54	2.51	2.47	2.43	2.38	2.34	2.30
13	4.31	3.83	3.43	3.20	3.04	2.93	2.84	2.78	2.73	2.67	2.60	2.53	2.45	2.42	2.38	2.34	2.30	2.25	2.21
14	4.28	3.79	3.39	3.16	2.99	2.88	2.79	2.73	2.68	2.62	2.55	2.47	2.39	2.36	2.32	2.27	2.22	2.18	2.13
15	4.26	3.76	3.36	3.13	2.96	2.85	2.76	2.70	2.65	2.60	2.53	2.45	2.37	2.33	2.29	2.25	2.20	2.16	2.11
16	4.24	3.74	3.34	3.11	2.94	2.83	2.74	2.68	2.63	2.57	2.50	2.42	2.34	2.30	2.26	2.22	2.17	2.12	2.07
17	4.23	3.73	3.33	3.10	2.93	2.82	2.73	2.67	2.62	2.56	2.49	2.41	2.33	2.29	2.25	2.20	2.15	2.10	2.05
18	4.22	3.72	3.32	3.09	2.92	2.81	2.72	2.66	2.61	2.55	2.48	2.40	2.32	2.28	2.24	2.19	2.14	2.09	2.04
19	4.21	3.71	3.31	3.08	2.91	2.80	2.71	2.65	2.60	2.54	2.47	2.39	2.31	2.27	2.23	2.18	2.13	2.08	2.03
20	4.20	3.70	3.30	3.07	2.90	2.79	2.70	2.64	2.59	2.53	2.46	2.38	2.30	2.26	2.22	2.17	2.12	2.07	2.02
21	4.19	3.69	3.29	3.06	2.89	2.78	2.69	2.63	2.58	2.52	2.45	2.37	2.29	2.25	2.21	2.16	2.11	2.06	2.01
22	4.18	3.68	3.28	3.05	2.88	2.77	2.68	2.62	2.57	2.51	2.44	2.36	2.28	2.24	2.20	2.15	2.10	2.05	2.00
23	4.17	3.67	3.27	3.04	2.87	2.76	2.67	2.61	2.56	2.50	2.43	2.35	2.27	2.23	2.19	2.14	2.09	2.04	1.99
24	4.16	3.66	3.26	3.03	2.86	2.75	2.66	2.60	2.55	2.49	2.42	2.34	2.26	2.22	2.18	2.13	2.08	2.03	1.98
25	4.15	3.65	3.25	3.02	2.85	2.74	2.65	2.59	2.54	2.48	2.41	2.33	2.25	2.21	2.17	2.12	2.07	2.02	1.97
30	4.13	3.63	3.23	3.00	2.83	2.72	2.63	2.57	2.52	2.46	2.39	2.31	2.23	2.19	2.15	2.10	2.05	2.00	1.95
40	4.11	3.61	3.21	2.98	2.81	2.70	2.61	2.55	2.50	2.44	2.37	2.29	2.21	2.17	2.13	2.08	2.03	1.98	1.93
50	4.09	3.59	3.19	2.96	2.79	2.68	2.59	2.53	2.48	2.42	2.35	2.27	2.19	2.15	2.11	2.06	2.01	1.96	1.91
60	4.08	3.58	3.18	2.95	2.78	2.67	2.58	2.52	2.47	2.41	2.34	2.26	2.18	2.14	2.10	2.05	2.00	1.95	1.90
100	4.06	3.56	3.16	2.93	2.76	2.65	2.56	2.50	2.45	2.39	2.32	2.24	2.16	2.12	2.08	2.04	1.99	1.94	1.89
∞	4.04	3.54	3.14	2.91	2.74	2.63	2.54	2.48	2.43	2.37	2.30	2.22	2.14	2.10	2.06	2.01	1.96	1.91	1.86

df1 = degrees of freedom for numerator

Critical Values of the F-Statistic: 1-Percent Level of Significance

	$v_1$ = degrees of freedom for numerator																			$v_2$ = degrees of freedom for denominator
	1	2	3	4	5	6	7	8	9	10	12	15	20	24	30	40	60	120	$\infty$	
1	4052	5000	5403	5625	5764	5859	5928	5982	6023	6056	6106	6157	6209	6255	6295	6337	6373	6403	6428	
2	98.5	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	
3	34.1	30.8	29.5	28.7	28.2	27.9	27.7	27.5	27.3	27.2	27.1	26.9	26.7	26.6	26.5	26.4	26.3	26.2	26.1	
4	21.2	18.0	16.7	16.0	15.5	15.2	15.0	14.8	14.7	14.5	14.4	14.2	14.0	13.9	13.8	13.7	13.6	13.5	13.5	
5	16.3	13.3	12.1	11.4	11.0	10.7	10.5	10.3	10.2	10.1	9.9	9.7	9.5	9.4	9.3	9.2	9.1	9.1	9.0	
6	13.7	10.9	9.7	9.1	8.7	8.4	8.2	8.1	7.9	7.8	7.7	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	
7	12.2	9.5	8.4	7.8	7.4	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.9	5.8	5.7	5.6	
8	11.3	8.6	7.5	7.0	6.6	6.3	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.1	5.0	4.9	4.8	4.7	
9	10.6	8.0	6.9	6.4	6.0	5.8	5.6	5.5	5.3	5.2	5.1	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.3	
10	10.0	7.5	6.3	5.9	5.6	5.3	5.2	5.0	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.0	4.0	3.9	
11	9.6	7.2	6.2	5.7	5.3	5.0	4.8	4.7	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.6	3.5	
12	9.3	6.9	5.9	5.4	5.0	4.8	4.6	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.3	
13	9.0	6.7	5.7	5.2	4.8	4.6	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.2	3.1	
14	8.8	6.5	5.5	5.0	4.7	4.4	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1	3.0	3.0	
15	8.6	6.3	5.3	4.8	4.5	4.2	4.1	4.0	3.8	3.8	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	
16	8.3	6.2	5.2	4.7	4.4	4.2	4.0	3.9	3.7	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.7	
17	8.1	6.1	5.1	4.6	4.3	4.1	3.9	3.8	3.6	3.5	3.4	3.3	3.1	3.0	2.9	2.8	2.7	2.6	2.6	
18	8.0	6.0	5.0	4.5	4.2	4.0	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	2.6	2.5	2.5	
19	7.9	5.9	5.0	4.5	4.1	3.9	3.7	3.6	3.4	3.3	3.2	3.1	2.9	2.8	2.7	2.6	2.5	2.4	2.4	
20	7.8	5.8	4.9	4.4	4.1	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.4	
21	7.7	5.7	4.8	4.3	4.0	3.8	3.6	3.5	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.5	2.4	2.3	2.3	
22	7.6	5.6	4.7	4.2	3.9	3.7	3.5	3.4	3.2	3.1	3.0	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.2	
23	7.5	5.5	4.6	4.1	3.8	3.6	3.4	3.3	3.1	3.0	2.9	2.8	2.6	2.5	2.4	2.3	2.2	2.1	2.1	
24	7.4	5.4	4.5	4.0	3.7	3.5	3.3	3.2	3.0	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	2.0	2.0	
25	7.3	5.3	4.4	3.9	3.6	3.4	3.2	3.1	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.1	2.0	1.9	1.9	
30	7.1	5.1	4.2	3.7	3.4	3.2	3.0	2.9	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8	1.7	1.7	
40	7.0	5.0	4.1	3.6	3.3	3.1	2.9	2.8	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.6	
50	6.9	4.9	4.0	3.5	3.2	3.0	2.8	2.7	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.5	1.5	
100	6.7	4.7	3.8	3.3	3.0	2.8	2.6	2.5	2.3	2.2	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.3	
$\infty$	6.6	4.6	3.7	3.2	2.9	2.7	2.5	2.4	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.2	