E.1 Legge Normale standard $\mathfrak{N}(0,1)$

| x	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	.50000	.50399	.50798	.51197	.51595	.51994	.52392	.52790	.53188	.53586
0.1	.53983	.54380	.54776	.55172	.55567	.55962	.56356	.56749	.57142	.57535
0.2	.57926	.58317	.58706	.59095	.59483	.59871	.60257	.60642	.61026	.61409
0.3	.61791	.62172	.62552	.62930	.63307	.63683	.64058	.64431	.64803	.65173
0.4	.65542	.65910	.66276	.66640	.67003	.67364	.67724	.68082	.68439	.68793
0.5	.69146	.69497	.69847	.70194	.70540	.70884	.71226	.71566	.71904	.72240
0.6	.72575	.72907	.73237	.73565	.73891	.74215	.74537	.74857	.75175	.75490
0.7	.75804	.76115	.76424	.76730	.77035	.77337	.77637	.77935	.78230	.78524
0.8	.78814	.79103	.79389	.79673	.79955	.80234	.80511	.80785	.81057	.81327
0.9	.81594	.81859	.82121	.82381	.82639	.82894	.83147	.83398	.83646	.83891
1.0	.84134	.84375	.84614	.84849	.85083	.85314	.85543	.85769	.85993	.86214
1.1	.86433	.86650	.86864	.87076	.87286	.87493	.87698	.87900	.88100	.88298
1.2	.88493	.88686	.88877	.89065	.89251	.89435	.89617	.89796	.89973	.90147
1.3	.90320	.90490	.90658	.90824	.90988	.91149	.91309	.91466	.91621	.91774
1.4	.91924	.92073	.92220	.92364	.92507	.92647	.92785	.92922	.93056	.93189
1.5	.93319	.93448	.93574	.93699	.93822	.93943	.94062	.94179	.94295	.94408
1.6	.94520	.94630	.94738	.94845	.94950	.95053	.95154	.95254	.95352	.95449
1.7	.95543	.95637	.95728	.95818	.95907	.95994	.96080	.96164	.96246	.96327
1.8	.96407	.96485	.96562	.96638	.96712	.96784	.96856	.96926	.96995	.97062
1.9	.97128	.97193	.97257	.97320	.97381	.97441	.97500	.97558	.97615	.97670
2.0	.97725	.97778	.97831	.97882	.97932	.97982	.98030	.98077	.98124	.98169
2.1	.98214	.98257	.98300	.98341	.98382	.98422	.98461	.98500	.98537	.98574
2.2	.98610	.98645	.98679	.98713	.98745	.98778	.98809	.98840	.98870	.98899
2.3	.98928	.98956	.98983	.99010	.99036	.99061	.99086	.99111	.99134	.99158
2.4	.99180	.99202	.99224	.99245	.99266	.99286	.99305	.99324	.99343	.99361
2.5	.99379	.99396	.99413	.99430	.99446	.99461	.99477	.99492	.99506	.99520
2.6	.99534	.99547	.99560	.99573	.99585	.99598	.99609	.99621	.99632	.99643
2.7	.99653	.99664	.99674	.99683	.99693	.99702	.99711	.99720	.99728	.99736
2.8	.99744	.99752	.99760	.99767	.99774	.99781	.99788	.99795	.99801	.99807
2.9	.99813	.99819	.99825	.99831	.99836	.99841	.99846	.99851	.99856	.99861

$$-\varphi_\alpha = \varphi_{1-\alpha}$$
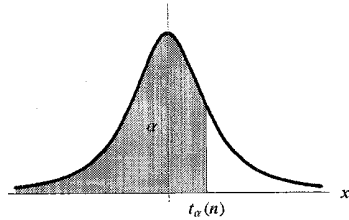
E.2 Legge di Student $\mathfrak{T}(n)$

n	0.950	0.975	0.990	0.995	n	0.950	0.975	0.990	0.995
1	6.31375	12.70620	31.82050	63.65670	31	1.69552	2.03951	2.45282	2.74404
2	2.91999	4.30265	6.96456	9.92484	32	1.69389	2.03693	2.44868	2.73848
3	2.35336	3.18245	4.54070	5.84091	33	1.69236	2.03452	2.44479	2.73328
4	2.13185	2.77645	3.74695	4.60409	34	1.69092	2.03224	2.44115	2.72839
5	2.01505	2.57058	3.36493	4.03214	35	1.68957	2.03011	2.43772	2.72381
6	1.94318	2.44691	3.14267	3.70743	36	1.68830	2.02809	2.43449	2.71948
7	1.89458	2.36462	2.99795	3.49948	37	1.68709	2.02619	2.43145	2.71541
8	1.85955	2.30600	2.89646	3.35539	38	1.68595	2.02439	2.42857	2.71156
9	1.83311	2.26216	2.82144	3.24984	39	1.68488	2.02269	2.42584	2.70791
10	1.81246	2.22814	2.76377	3.16927	40	1.68385	2.02108	2.42326	2.70446
11	1.79588	2.20099	2.71808	3.10581	41	1.68288	2.01954	2.42080	2.70118
12	1.78229	2.17881	2.68100	3.05454	42	1.68195	2.01808	2.41847	2.69807
13	1.77093	2.16037	2.65031	3.01228	43	1.68107	2.01669	2.41625	2.69510
14	1.76131	2.14479	2.62449	2.97684	44	1.68023	2.01537	2.41413	2.69228
15	1.75305	2.13145	2.60248	2.94671	45	1.67943	2.01410	2.41212	2.68959
16	1.74588	2.11991	2.58349	2.92078	46	1.67866	2.01290	2.41019	2.68701
17	1.73961	2.10982	2.56693	2.89823	47	1.67793	2.01174	2.40835	2.68456
18	1.73406	2.10092	2.55238	2.87844	48	1.67722	2.01063	2.40658	2.68220
19	1.72913	2.09302	2.53948	2.86093	49	1.67655	2.00958	2.40489	2.67995
20	1.72472	2.08596	2.52798	2.84534	50	1.67591	2.00856	2.40327	2.67779
21	1.72074	2.07961	2.51765	2.83136	55	1.67303	2.00404	2.39608	2.66822
22	1.71714	2.07387	2.50832	2.81876	60	1.67065	2.00030	2.39012	2.66028
23	1.71387	2.06866	2.49987	2.80734	65	1.66864	1.99714	2.38510	2.65360
24	1.71088	2.06390	2.49216	2.79694	70	1.66691	1.99444	2.38081	2.64790
25	1.70814	2.05954	2.48511	2.78744	75	1.66543	1.99210	2.37710	2.64298
26	1.70562	2.05553	2.47863	2.77871	80	1.66412	1.99006	2.37387	2.63869
27	1.70329	2.05183	2.47266	2.77068	90	1.66196	1.98667	2.36850	2.63157
28	1.70113	2.04841	2.46714	2.76326	100	1.66023	1.98397	2.36422	2.62589
29	1.69913	2.04523	2.46202	2.75639	110	1.65882	1.98177	2.36073	2.62126
30	1.69726	2.04227	2.45726	2.75000	120	1.65765	1.97993	2.35782	2.61742

$$-t_\alpha(n) = t_{1-\alpha}(n)$$
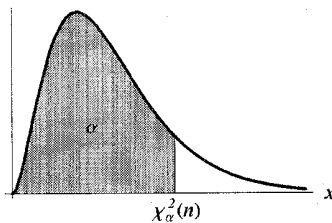
E.3 Legge del *chi-quadro* $\chi^2(n)$

n	0.005	0.010	0.025	0.050	0.950	0.975	0.990	0.995
1	0.00004	0.00016	0.00098	0.00393	3.84146	5.02389	6.63490	7.87944
2	0.01003	0.02010	0.05064	0.10259	5.99146	7.37776	9.21034	10.59663
3	0.07172	0.11483	0.21580	0.35185	7.81473	9.34840	11.34487	12.83816
4	0.20699	0.29711	0.48442	0.71072	9.48773	11.14329	13.27670	14.86026
5	0.41174	0.55430	0.83121	1.14548	11.07050	12.83250	15.08627	16.74960
6	0.67573	0.87209	1.23734	1.63538	12.59159	14.44938	16.81189	18.54758
7	0.98926	1.23904	1.68987	2.16735	14.06714	16.01276	18.47531	20.27774
8	1.34441	1.64650	2.17973	2.73264	15.50731	17.53455	20.09024	21.95495
9	1.73493	2.08790	2.70039	3.32511	16.91898	19.02277	21.66599	23.58935
10	2.15586	2.55821	3.24697	3.94030	18.30704	20.48318	23.20925	25.18818
11	2.60322	3.05348	3.81575	4.57481	19.67514	21.92005	24.72497	26.75685
12	3.07382	3.57057	4.40379	5.22603	21.02607	23.33666	26.21697	28.29952
13	3.56503	4.10692	5.00875	5.89186	22.36203	24.73560	27.68825	29.81947
14	4.07467	4.66043	5.62873	6.57063	23.68479	26.11895	29.14124	31.31935
15	4.60092	5.22935	6.26214	7.26094	24.99579	27.48839	30.57791	32.80132
16	5.14221	5.81221	6.90766	7.96165	26.29623	28.84535	31.99993	34.26719
17	5.69722	6.40776	7.56419	8.67176	27.58711	30.19101	33.40866	35.71847
18	6.26480	7.01491	8.23075	9.39046	28.86930	31.52638	34.80531	37.15645
19	6.84397	7.63273	8.90652	10.11701	30.14353	32.85233	36.19087	38.58226
20	7.43384	8.26040	9.59078	10.85081	31.41043	34.16961	37.56623	39.99685
21	8.03365	8.89720	10.28290	11.59131	32.67057	35.47888	38.93217	41.40106
22	8.64272	9.54249	10.98232	12.33801	33.92444	36.78071	40.28936	42.79565
23	9.26042	10.19572	11.68855	13.09051	35.17246	38.07563	41.63840	44.18128
24	9.88623	10.85636	12.40115	13.84843	36.41503	39.36408	42.97982	45.55851
25	10.51965	11.52398	13.11972	14.61141	37.65248	40.64647	44.31410	46.92789
26	11.16024	12.19815	13.84390	15.37916	38.88514	41.92317	45.64168	48.28988
27	11.80759	12.87850	14.57338	16.15140	40.11327	43.19451	46.96294	49.64492
28	12.46134	13.56471	15.30786	16.92788	41.33714	44.46079	48.27824	50.99338
29	13.12115	14.25645	16.04707	17.70837	42.55697	45.72229	49.58788	52.33562
30	13.78672	14.95346	16.79077	18.49266	43.77297	46.97924	50.89218	53.67196
31	14.45777	15.65546	17.53874	19.28057	44.98534	48.23189	52.19139	55.00270
32	15.13403	16.36222	18.29076	20.07191	46.19426	49.48044	53.48577	56.32811
33	15.81527	17.07351	19.04666	20.86653	47.39988	50.72508	54.77554	57.64845
34	16.50127	17.78915	19.80625	21.66428	48.60237	51.96600	56.06091	58.96393
35	17.19182	18.50893	20.56938	22.46502	49.80185	53.20335	57.34207	60.27477

$$\chi^2_\alpha(n) \simeq \frac{1}{2}(\varphi_\alpha + \sqrt{2n-1})^2 \qquad n > 35$$

$f_\alpha(n,m)$
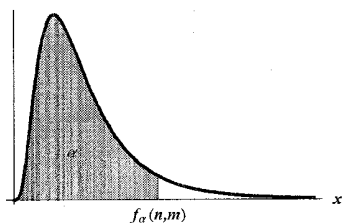
E.4 Legge di Fisher $\mathfrak{F}(n, m)$

$$\alpha = 0.950$$

	1°	1	2	3	4	5	6	7	8	9	10	15	20	30	60	∞
2°																
3		10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.70	8.66	8.62	8.57	8.53
4		7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.86	5.80	5.75	5.69	5.63
5		6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.62	4.56	4.50	4.43	4.37
6		5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	3.94	3.87	3.81	3.74	3.67
7		5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.51	3.44	3.38	3.30	3.23
8		5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.22	3.15	3.08	3.01	2.93
9		5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.01	2.94	2.86	2.79	2.71
10		4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.85	2.77	2.70	2.62	2.54
11		4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.72	2.65	2.57	2.49	2.40
12		4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.62	2.54	2.47	2.38	2.30
13		4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.53	2.46	2.38	2.30	2.21
14		4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.46	2.39	2.31	2.22	2.13
15		4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.40	2.33	2.25	2.16	2.07
16		4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.35	2.28	2.19	2.11	2.01
17		4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.31	2.23	2.15	2.06	1.96
18		4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.27	2.19	2.11	2.02	1.92
19		4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.23	2.16	2.07	1.98	1.88
20		4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.20	2.12	2.04	1.95	1.84
21		4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.18	2.10	2.01	1.92	1.81
22		4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.15	2.07	1.98	1.89	1.78
23		4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.13	2.05	1.96	1.86	1.76
24		4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.11	2.03	1.94	1.84	1.73
25		4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.09	2.01	1.92	1.82	1.71
26		4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.07	1.99	1.90	1.80	1.69
27		4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.06	1.97	1.88	1.79	1.67
28		4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.04	1.96	1.87	1.77	1.65
29		4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.03	1.94	1.85	1.75	1.64
30		4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.01	1.93	1.84	1.74	1.62
31		4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.00	1.92	1.83	1.73	1.61
32		4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	1.99	1.91	1.82	1.71	1.59
33		4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	1.98	1.90	1.81	1.70	1.58
34		4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	1.97	1.89	1.80	1.69	1.57
35		4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	1.96	1.88	1.79	1.68	1.56
36		4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	1.95	1.87	1.78	1.67	1.55
37		4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	1.95	1.86	1.77	1.66	1.54
38		4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	1.94	1.85	1.76	1.65	1.53
39		4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	1.93	1.85	1.75	1.65	1.52
40		4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	1.92	1.84	1.74	1.64	1.51
60		4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.84	1.75	1.65	1.53	1.39
120		3.92	3.07	2.68	2.45	2.29	2.18	2.09	2.02	1.96	1.91	1.75	1.66	1.55	1.43	1.25
∞		3.84	3.00	2.60	2.37	2.21	2.10	2.01	1.94	1.88	1.83	1.67	1.57	1.46	1.32	1.00

$$f_\alpha(n, m) = \frac{1}{f_{1-\alpha}(m, n)}$$

$$\alpha = 0.975$$

	1°	1	2	3	4	5	6	7	8	9	10	15	20	30	60	∞
2°																
4		12.22	10.65	9.98	9.60	9.36	9.20	9.07	8.98	8.90	8.84	8.66	8.56	8.46	8.36	8.26
5		10.01	8.43	7.76	7.39	7.15	6.98	6.85	6.76	6.68	6.62	6.43	6.33	6.23	6.12	6.02
6		8.81	7.26	6.60	6.23	5.99	5.82	5.70	5.60	5.52	5.46	5.27	5.17	5.07	4.96	4.85
7		8.07	6.54	5.89	5.52	5.29	5.12	4.99	4.90	4.82	4.76	4.57	4.47	4.36	4.25	4.14
8		7.57	6.06	5.42	5.05	4.82	4.65	4.53	4.43	4.36	4.30	4.10	4.00	3.89	3.78	3.67
9		7.21	5.71	5.08	4.72	4.48	4.32	4.20	4.10	4.03	3.96	3.77	3.67	3.56	3.45	3.33
10		6.94	5.46	4.83	4.47	4.24	4.07	3.95	3.85	3.78	3.72	3.52	3.42	3.31	3.20	3.08
11		6.72	5.26	4.63	4.28	4.04	3.88	3.76	3.66	3.59	3.53	3.33	3.23	3.12	3.00	2.88
12		6.55	5.10	4.47	4.12	3.89	3.73	3.61	3.51	3.44	3.37	3.18	3.07	2.96	2.85	2.72
13		6.41	4.97	4.35	4.00	3.77	3.60	3.48	3.39	3.31	3.25	3.05	2.95	2.84	2.72	2.60
14		6.30	4.86	4.24	3.89	3.66	3.50	3.38	3.29	3.21	3.15	2.95	2.84	2.73	2.61	2.49
15		6.20	4.77	4.15	3.80	3.58	3.41	3.29	3.20	3.12	3.06	2.86	2.76	2.64	2.52	2.40
16		6.12	4.69	4.08	3.73	3.50	3.34	3.22	3.12	3.05	2.99	2.79	2.68	2.57	2.45	2.32
17		6.04	4.62	4.01	3.66	3.44	3.28	3.16	3.06	2.98	2.92	2.72	2.62	2.50	2.38	2.25
18		5.98	4.56	3.95	3.61	3.38	3.22	3.10	3.01	2.93	2.87	2.67	2.56	2.44	2.32	2.19
19		5.92	4.51	3.90	3.56	3.33	3.17	3.05	2.96	2.88	2.82	2.62	2.51	2.39	2.27	2.13
20		5.87	4.46	3.86	3.51	3.29	3.13	3.01	2.91	2.84	2.77	2.57	2.46	2.35	2.22	2.09
21		5.83	4.42	3.82	3.48	3.25	3.09	2.97	2.87	2.80	2.73	2.53	2.42	2.31	2.18	2.04
22		5.79	4.38	3.78	3.44	3.22	3.05	2.93	2.84	2.76	2.70	2.50	2.39	2.27	2.14	2.00
23		5.75	4.35	3.75	3.41	3.18	3.02	2.90	2.81	2.73	2.67	2.47	2.36	2.24	2.11	1.97
24		5.72	4.32	3.72	3.38	3.15	2.99	2.87	2.78	2.70	2.64	2.44	2.33	2.21	2.08	1.94
25		5.69	4.29	3.69	3.35	3.13	2.97	2.85	2.75	2.68	2.61	2.41	2.30	2.18	2.05	1.91
26		5.66	4.27	3.67	3.33	3.10	2.94	2.82	2.73	2.65	2.59	2.39	2.28	2.16	2.03	1.88
27		5.63	4.24	3.65	3.31	3.08	2.92	2.80	2.71	2.63	2.57	2.36	2.25	2.13	2.00	1.85
28		5.61	4.22	3.63	3.29	3.06	2.90	2.78	2.69	2.61	2.55	2.34	2.23	2.11	1.98	1.83
29		5.59	4.20	3.61	3.27	3.04	2.88	2.76	2.67	2.59	2.53	2.32	2.21	2.09	1.96	1.81
30		5.57	4.18	3.59	3.25	3.03	2.87	2.75	2.65	2.57	2.51	2.31	2.20	2.07	1.94	1.79
31		5.55	4.16	3.57	3.23	3.01	2.85	2.73	2.64	2.56	2.50	2.29	2.18	2.06	1.92	1.77
32		5.53	4.15	3.56	3.22	3.00	2.84	2.71	2.62	2.54	2.48	2.28	2.16	2.04	1.91	1.75
33		5.51	4.13	3.54	3.20	2.98	2.82	2.70	2.61	2.53	2.47	2.26	2.15	2.03	1.89	1.73
34		5.50	4.12	3.53	3.19	2.97	2.81	2.69	2.59	2.52	2.45	2.25	2.13	2.01	1.88	1.72
35		5.48	4.11	3.52	3.18	2.96	2.80	2.68	2.58	2.50	2.44	2.23	2.12	2.00	1.86	1.70
36		5.47	4.09	3.50	3.17	2.94	2.78	2.66	2.57	2.49	2.43	2.22	2.11	1.99	1.85	1.69
37		5.46	4.08	3.49	3.16	2.93	2.77	2.65	2.56	2.47	2.42	2.21	2.10	1.97	1.84	1.67
38		5.45	4.07	3.48	3.15	2.92	2.76	2.64	2.55	2.47	2.41	2.20	2.09	1.96	1.82	1.66
39		5.43	4.06	3.47	3.14	2.91	2.75	2.63	2.54	2.46	2.40	2.19	2.08	1.95	1.81	1.65
40		5.42	4.05	3.46	3.13	2.90	2.74	2.62	2.53	2.45	2.39	2.18	2.07	1.94	1.80	1.64
60		5.29	3.93	3.34	3.01	2.79	2.63	2.51	2.41	2.33	2.27	2.06	1.94	1.82	1.67	1.48
120		5.15	3.80	3.23	2.89	2.67	2.52	2.39	2.30	2.22	2.16	1.94	1.82	1.69	1.53	1.31
∞		5.02	3.69	3.12	2.79	2.57	2.41	2.29	2.19	2.11	2.05	1.83	1.71	1.57	1.39	1.00