

Sono raccolte le tavole statistiche delle principali distribuzioni utilizzate nel corso:

la Gaussiana, la t di Student e la χ^2 .

Le tavole sono state generate attraverso il software statistico R.

Il software R può essere scaricato gratuitamente dalle pagine del sito

<http://www.R-project.org>.

Tavola della Normale. Valori di $\Phi(z) = P(Z < z)$ per z positivi

z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.50000	0.50399	0.50798	0.51197	0.51595	0.51994	0.52392	0.52790	0.53188	0.53586
0.1	0.53983	0.54380	0.54776	0.55172	0.55567	0.55962	0.56356	0.56749	0.57142	0.57535
0.2	0.57926	0.58317	0.58706	0.59095	0.59483	0.59871	0.60257	0.60642	0.61026	0.61409
0.3	0.61791	0.62172	0.62552	0.62930	0.63307	0.63683	0.64058	0.64431	0.64803	0.65173
0.4	0.65542	0.65910	0.66276	0.66640	0.67003	0.67364	0.67724	0.68082	0.68439	0.68793
0.5	0.69146	0.69497	0.69847	0.70194	0.70540	0.70884	0.71226	0.71566	0.71904	0.72240
0.6	0.72575	0.72907	0.73237	0.73565	0.73891	0.74215	0.74537	0.74857	0.75175	0.75490
0.7	0.75804	0.76115	0.76424	0.76730	0.77035	0.77337	0.77637	0.77935	0.78230	0.78524
0.8	0.78814	0.79103	0.79389	0.79673	0.79955	0.80234	0.80511	0.80785	0.81057	0.81327
0.9	0.81594	0.81859	0.82121	0.82381	0.82639	0.82894	0.83147	0.83398	0.83646	0.83891
1.0	0.84134	0.84375	0.84614	0.84849	0.85083	0.85314	0.85543	0.85769	0.85993	0.86214
1.1	0.86433	0.86650	0.86864	0.87076	0.87286	0.87493	0.87698	0.87900	0.88100	0.88298
1.2	0.88493	0.88686	0.88877	0.89065	0.89251	0.89435	0.89617	0.89796	0.89973	0.90147
1.3	0.90320	0.90490	0.90658	0.90824	0.90988	0.91149	0.91309	0.91466	0.91621	0.91774
1.4	0.91924	0.92073	0.92220	0.92364	0.92507	0.92647	0.92785	0.92922	0.93056	0.93189
1.5	0.93319	0.93448	0.93574	0.93699	0.93822	0.93943	0.94062	0.94179	0.94295	0.94408
1.6	0.94520	0.94630	0.94738	0.94845	0.94950	0.95053	0.95154	0.95254	0.95352	0.95449
1.7	0.95543	0.95637	0.95728	0.95818	0.95907	0.95994	0.96080	0.96164	0.96246	0.96327
1.8	0.96407	0.96485	0.96562	0.96638	0.96712	0.96784	0.96856	0.96926	0.96995	0.97062
1.9	0.97128	0.97193	0.97257	0.97320	0.97381	0.97441	0.97500	0.97558	0.97615	0.97670
2.0	0.97725	0.97778	0.97831	0.97882	0.97932	0.97982	0.98030	0.98077	0.98124	0.98169
2.1	0.98214	0.98257	0.98300	0.98341	0.98382	0.98422	0.98461	0.98500	0.98537	0.98574
2.2	0.98610	0.98645	0.98679	0.98713	0.98745	0.98778	0.98809	0.98840	0.98870	0.98899
2.3	0.98928	0.98956	0.98983	0.99010	0.99036	0.99061	0.99086	0.99111	0.99134	0.99158
2.4	0.99180	0.99202	0.99224	0.99245	0.99266	0.99286	0.99305	0.99324	0.99343	0.99361
2.5	0.99379	0.99396	0.99413	0.99430	0.99446	0.99461	0.99477	0.99492	0.99506	0.99520
2.6	0.99534	0.99547	0.99560	0.99573	0.99585	0.99598	0.99609	0.99621	0.99632	0.99643
2.7	0.99653	0.99664	0.99674	0.99683	0.99693	0.99702	0.99711	0.99720	0.99728	0.99736
2.8	0.99744	0.99752	0.99760	0.99767	0.99774	0.99781	0.99788	0.99795	0.99801	0.99807
2.9	0.99813	0.99819	0.99825	0.99831	0.99836	0.99841	0.99846	0.99851	0.99856	0.99861
3.0	0.99865	0.99869	0.99874	0.99878	0.99882	0.99886	0.99889	0.99893	0.99896	0.99900

Tavola della t di Student. La tavola restituisce i valori di t_p^g dove g sono i gradi di libertà. Si tenga sempre conto della relazione $t_p^g = -t_{1-p}^g$.

n	p	0.75	0.90	0.95	0.975	0.99	0.995	0.9995
1		1.00000	3.07768	6.31375	12.70620	31.82052	63.65674	636.61925
2		0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	31.59905
3		0.76489	1.63775	2.35338	3.18245	4.54070	5.84091	12.92398
4		0.74070	1.53321	2.13185	2.77645	3.74695	4.60410	8.61030
5		0.72669	1.47588	2.01505	2.57058	3.36493	4.03216	6.86883
6		0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.95882
7		0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	5.40790
8		0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	5.04131
9		0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.78091
10		0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.58689
11		0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.43698
12		0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	4.31779
13		0.69383	1.35017	1.77093	2.16037	2.65031	3.01228	4.22083
14		0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	4.14045
15		0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	4.07277
16		0.69013	1.33676	1.74588	2.11991	2.58349	2.92078	4.01500
17		0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.96513
18		0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.92165
19		0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.88341
20		0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.84952
21		0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.81928
22		0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.79213
23		0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.76763
24		0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.74540
25		0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.72514
26		0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.70661
27		0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.68959
28		0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.67391
29		0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.65941
30		0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.64596
40		0.68067	1.30308	1.68385	2.02108	2.42326	2.70446	3.55097
60		0.67860	1.29582	1.67065	2.00030	2.39012	2.66028	3.46020
120		0.67654	1.28865	1.65765	1.97993	2.35782	2.61742	3.37345
∞		0.67449	1.28155	1.64485	1.95996	2.32635	2.57583	3.29053

Tavola del χ^2 . La tavola restituisce i valori di χ_p^g dove g sono i gradi di libertà.

n	p	0.750	0.900	0.950	0.975	0.990	0.995	0.9995
1		1.32330	2.70554	3.84146	5.02389	6.63490	7.87944	12.11567
2		2.77259	4.60517	5.99146	7.37776	9.21034	10.59663	15.20180
3		4.10834	6.25139	7.81473	9.34840	11.34487	12.83816	17.73000
4		5.38527	7.77944	9.48773	11.14329	13.27670	14.86026	19.99735
5		6.62568	9.23636	11.07050	12.83250	15.08627	16.74960	22.10533
6		7.84080	10.64464	12.59159	14.44938	16.81189	18.54758	24.10280
7		9.03715	12.01704	14.06714	16.01276	18.47531	20.27774	26.01777
8		10.21885	13.36157	15.50731	17.53455	20.09024	21.95495	27.86805
9		11.38875	14.68366	16.91898	19.02277	21.66599	23.58935	29.66581
10		12.54886	15.98718	18.30704	20.48318	23.20925	25.18818	31.41981
11		13.70069	17.27501	19.67514	21.92005	24.72497	26.75685	33.13662
12		14.84540	18.54935	21.02607	23.33666	26.21697	28.29952	34.82127
13		15.98391	19.81193	22.36203	24.73560	27.68825	29.81947	36.47779
14		17.11693	21.06414	23.68479	26.11895	29.14124	31.31935	38.10940
15		18.24509	22.30713	24.99579	27.48839	30.57791	32.80132	39.71876
16		19.36886	23.54183	26.29623	28.84535	31.99993	34.26719	41.30807
17		20.48868	24.76904	27.58711	30.19101	33.40866	35.71847	42.87921
18		21.60489	25.98942	28.86930	31.52638	34.80531	37.15645	44.43377
19		22.71781	27.20357	30.14353	32.85233	36.19087	38.58226	45.97312
20		23.82769	28.41198	31.41043	34.16961	37.56623	39.99685	47.49845
21		24.93478	29.61509	32.67057	35.47888	38.93217	41.40106	49.01081
22		26.03927	30.81328	33.92444	36.78071	40.28936	42.79565	50.51112
23		27.14134	32.00690	35.17246	38.07563	41.63840	44.18128	52.00019
24		28.24115	33.19624	36.41503	39.36408	42.97982	45.55851	53.47875
25		29.33885	34.38159	37.65248	40.64647	44.31410	46.92789	54.94746
26		30.43457	35.56317	38.88514	41.92317	45.64168	48.28988	56.40689
27		31.52841	36.74122	40.11327	43.19451	46.96294	49.64492	57.85759
28		32.62049	37.91592	41.33714	44.46079	48.27824	50.99338	59.30003
29		33.71091	39.08747	42.55697	45.72229	49.58788	52.33562	60.73465
30		34.79974	40.25602	43.77297	46.97924	50.89218	53.67196	62.16185

Tavola del χ^2 . La tavola restituisce i valori di χ_p^g dove g sono i gradi di libertà.

n	p	0.0005	0.005	0.010	0.025	0.050	0.100	0.250
1		0.00000	0.00004	0.00016	0.00098	0.00393	0.01579	0.10153
2		0.00100	0.01003	0.02010	0.05064	0.10259	0.21072	0.57536
3		0.01528	0.07172	0.11483	0.21580	0.35185	0.58437	1.21253
4		0.06392	0.20699	0.29711	0.48442	0.71072	1.06362	1.92256
5		0.15814	0.41174	0.55430	0.83121	1.14548	1.61031	2.67460
6		0.29941	0.67573	0.87209	1.23734	1.63538	2.20413	3.45460
7		0.48487	0.98926	1.23904	1.68987	2.16735	2.83311	4.25485
8		0.71038	1.34441	1.64650	2.17973	2.73264	3.48954	5.07064
9		0.97170	1.73493	2.08790	2.70039	3.32511	4.16816	5.89883
10		1.26498	2.15586	2.55821	3.24697	3.94030	4.86518	6.73720
11		1.58685	2.60322	3.05348	3.81575	4.57481	5.57778	7.58414
12		1.93438	3.07382	3.57057	4.40379	5.22603	6.30380	8.43842
13		2.30506	3.56503	4.10692	5.00875	5.89186	7.04150	9.29907
14		2.69673	4.07467	4.66043	5.62873	6.57063	7.78953	10.16531
15		3.10752	4.60092	5.22935	6.26214	7.26094	8.54676	11.03654
16		3.53581	5.14221	5.81221	6.90766	7.96165	9.31224	11.91222
17		3.98018	5.69722	6.40776	7.56419	8.67176	10.08519	12.79193
18		4.43939	6.26480	7.01491	8.23075	9.39046	10.86494	13.67529
19		4.91234	6.84397	7.63273	8.90652	10.11701	11.65091	14.56200
20		5.39807	7.43384	8.26040	9.59078	10.85081	12.44261	15.45177
21		5.89570	8.03365	8.89720	10.28290	11.59131	13.23960	16.34438
22		6.40447	8.64272	9.54249	10.98232	12.33801	14.04149	17.23962
23		6.92368	9.26042	10.19572	11.68855	13.09051	14.84796	18.13730
24		7.45269	9.88623	10.85636	12.40115	13.84843	15.65868	19.03725
25		7.99096	10.51965	11.52398	13.11972	14.61141	16.47341	19.93934
26		8.53795	11.16024	12.19815	13.84390	15.37916	17.29188	20.84343
27		9.09320	11.80759	12.87850	14.57338	16.15140	18.11390	21.74940
28		9.65627	12.46134	13.56471	15.30786	16.92788	18.93924	22.65716
29		10.22678	13.12115	14.25645	16.04707	17.70837	19.76774	23.56659
30		10.80436	13.78672	14.95346	16.79077	18.49266	20.59923	24.47761