

## Cuantiles $t_{\alpha,\nu}$

Cada valor  $t$  en esta tabla es negativo, pero por razón de espacio se omite el signo y se muestra el valor absoluto  $|t_{\alpha,\nu}|$ .

$\nu \backslash \alpha$	0.005	0.010	0.020	0.025	0.040	0.050	0.100	0.200	0.400
1	63.6567	31.8205	15.8945	12.7062	7.91582	6.31375	3.07768	1.37638	.324920
2	9.92484	6.96456	4.84873	4.30265	3.31976	2.91999	1.88562	1.06066	.288675
3	5.84091	4.54070	3.48191	3.18245	2.60543	2.35336	1.63774	.978472	.276671
4	4.60409	3.74695	2.99853	2.77645	2.33287	2.13185	1.53321	.940965	.270722
5	4.03214	3.36493	2.75651	2.57058	2.19096	2.01505	1.47588	.919544	.267181
6	3.70743	3.14267	2.61224	2.44691	2.10431	1.94318	1.43976	.905703	.264835
7	3.49948	2.99795	2.51675	2.36462	2.04601	1.89458	1.41492	.896030	.263167
8	3.35539	2.89646	2.44898	2.30600	2.00415	1.85955	1.39682	.888890	.261921
9	3.24984	2.82144	2.39844	2.26216	1.97265	1.83311	1.38303	.883404	.260955
10	3.16927	2.76377	2.35931	2.22814	1.94810	1.81246	1.37218	.879058	.260185
11	3.10581	2.71808	2.32814	2.20099	1.92843	1.79588	1.36343	.875530	.259556
12	3.05454	2.68100	2.30272	2.17881	1.91231	1.78229	1.35622	.872609	.259033
13	3.01228	2.65031	2.28160	2.16037	1.89887	1.77093	1.35017	.870152	.258591
14	2.97684	2.62449	2.26378	2.14479	1.88750	1.76131	1.34503	.868055	.258213
15	2.94671	2.60248	2.24854	2.13145	1.87774	1.75305	1.34061	.866245	.257885
16	2.92078	2.58349	2.23536	2.11991	1.86928	1.74588	1.33676	.864667	.257599
17	2.89823	2.56693	2.22385	2.10982	1.86187	1.73961	1.33338	.863279	.257347
18	2.87844	2.55238	2.21370	2.10092	1.85534	1.73406	1.33039	.862049	.257123
19	2.86093	2.53948	2.20470	2.09302	1.84953	1.72913	1.32773	.860951	.256923
20	2.84534	2.52798	2.19666	2.08596	1.84433	1.72472	1.32534	.859964	.256743
21	2.83136	2.51765	2.18943	2.07961	1.83965	1.72074	1.32319	.859074	.256580
22	2.81876	2.50832	2.18289	2.07387	1.83542	1.71714	1.32124	.858266	.256432
23	2.80734	2.49987	2.17696	2.06866	1.83157	1.71387	1.31946	.857530	.256297
24	2.79694	2.49216	2.17154	2.06390	1.82805	1.71088	1.31784	.856855	.256173
25	2.78744	2.48511	2.16659	2.05954	1.82483	1.70814	1.31635	.856236	.256060
26	2.77871	2.47863	2.16203	2.05553	1.82186	1.70562	1.31497	.855665	.255955
27	2.77068	2.47266	2.15782	2.05183	1.81913	1.70329	1.31370	.855137	.255858
28	2.76326	2.46714	2.15393	2.04841	1.81659	1.70113	1.31253	.854647	.255768
29	2.75639	2.46202	2.15033	2.04523	1.81424	1.69913	1.31143	.854192	.255684
30	2.75000	2.45726	2.14697	2.04227	1.81205	1.69726	1.31042	.853767	.255605
32	2.73848	2.44868	2.14090	2.03693	1.80809	1.69389	1.30857	.852998	.255464
34	2.72839	2.44115	2.13558	2.03224	1.80461	1.69092	1.30695	.852321	.255339
36	2.71948	2.43449	2.13087	2.02809	1.80153	1.68830	1.30551	.851720	.255227
38	2.71156	2.42857	2.12667	2.02439	1.79878	1.68595	1.30423	.851183	.255128
40	2.70446	2.42326	2.12291	2.02108	1.79631	1.68385	1.30308	.850700	.255039
42	2.69807	2.41847	2.11952	2.01808	1.79409	1.68195	1.30204	.850263	.254958
44	2.69228	2.41413	2.11644	2.01537	1.79207	1.68023	1.30109	.849867	.254884
46	2.68701	2.41019	2.11364	2.01290	1.79023	1.67866	1.30023	.849505	.254817
48	2.68220	2.40658	2.11107	2.01063	1.78855	1.67722	1.29944	.849174	.254756
50	2.67779	2.40327	2.10872	2.00856	1.78700	1.67591	1.29871	.848869	.254699
60	2.66027	2.39012	2.09936	2.00030	1.78085	1.67065	1.29582	.847652	.254473
80	2.63870	2.37387	2.08778	1.99007	1.77321	1.66413	1.29222	.846137	.254191
100	2.62589	2.36421	2.08088	1.98397	1.76866	1.66023	1.29008	.845231	.254022
$\infty$	2.57583	2.32635	2.05375	1.95997	1.75069	1.64485	1.28155	.841621	.253347

## Áreas bajo la curva normal estándar

$z$	-. - 00	-. - 10	-. - 20	-. - 30	-. - 40	-. - 50	-. - 60	-. - 70	-. - 80	-. - 90
0.0	.500000	.496011	.492022	.488033	.484047	.480061	.476078	.472097	.468119	.464144
-0.1	.460172	.456205	.452242	.448283	.444330	.440382	.436441	.432505	.428576	.424655
-0.2	.420740	.416834	.412936	.409046	.405165	.401294	.397432	.393580	.389739	.385908
-0.3	.382089	.378281	.374484	.370700	.366928	.363169	.359424	.355691	.351973	.348268
-0.4	.344578	.340903	.337243	.333598	.329969	.326355	.322758	.319178	.315614	.312067
-0.5	.308538	.305026	.301532	.298056	.294598	.291160	.287740	.284339	.280957	.277595
-0.6	.274253	.270931	.267629	.264347	.261086	.257846	.254627	.251429	.248252	.245097
-0.7	.241964	.238852	.235762	.232695	.229650	.226627	.223627	.220650	.217695	.214764
-0.8	.211855	.208970	.206108	.203269	.200454	.197662	.194894	.192150	.189430	.186733
-0.9	.184060	.181411	.178786	.176186	.173609	.171056	.168528	.166023	.163543	.161087
-1.0	.158655	.156248	.153864	.151505	.149170	.146859	.144572	.142310	.140071	.137857
-1.1	.135666	.133500	.131357	.129238	.127143	.125072	.123024	.121001	.119000	.117023
-1.2	.115070	.113140	.111233	.109349	.107488	.105650	.103835	.102042	.100273	.098525
-1.3	.096801	.095098	.093418	.091759	.090123	.088508	.086915	.085344	.083793	.082264
-1.4	.080757	.079270	.077804	.076359	.074934	.073529	.072145	.070781	.069437	.068112
-1.5	.066807	.065522	.064256	.063008	.061780	.060571	.059380	.058208	.057053	.055917
-1.6	.054799	.053699	.052616	.051551	.050503	.049471	.048457	.047460	.046479	.045514
-1.7	.044565	.043633	.042716	.041815	.040929	.040059	.039204	.038364	.037538	.036727
-1.8	.035930	.035148	.034379	.033625	.032884	.032157	.031443	.030742	.030054	.029379
-1.9	.028716	.028067	.027429	.026803	.026190	.025588	.024998	.024419	.023852	.023295
-2.0	.022750	.022216	.021692	.021178	.020675	.020182	.019699	.019226	.018763	.018309
-2.1	.017864	.017429	.017003	.016586	.016177	.015778	.015386	.015003	.014629	.014262
-2.2	.013903	.013553	.013209	.012874	.012545	.012224	.011911	.011604	.011304	.011011
-2.3	.010724	.010444	.010170	.009903	.009642	.009387	.009137	.008894	.008656	.008424
-2.4	.008198	.007976	.007760	.007549	.007344	.007143	.006947	.006756	.006569	.006387
-2.5	.006210	.006037	.005868	.005703	.005543	.005386	.005234	.005085	.004940	.004799
-2.6	.004661	.004527	.004397	.004269	.004145	.004025	.003907	.003793	.003681	.003573
-2.7	.003467	.003364	.003264	.003167	.003072	.002980	.002890	.002803	.002718	.002635
-2.8	.002555	.002477	.002401	.002327	.002256	.002186	.002118	.002052	.001988	.001926
-2.9	.001866	.001807	.001750	.001695	.001641	.001589	.001538	.001489	.001441	.001395
-3.0	.001350	.001306	.001264	.001223	.001183	.001144	.001107	.001070	.001035	.001001
-3.1	.000967	.000935	.000904	.000874	.000844	.000816	.000789	.000762	.000736	.000711
-3.2	.000687	.000663	.000641	.000619	.000597	.000577	.000557	.000537	.000519	.000501
-3.3	.000483	.000466	.000450	.000434	.000418	.000404	.000389	.000375	.000362	.000349
-3.4	.000337	.000324	.000313	.000301	.000290	.000280	.000270	.000260	.000250	.000241
-3.5	.000232	.000224	.000215	.000207	.000200	.000192	.000185	.000178	.000171	.000165
-3.6	.000159	.000153	.000147	.000141	.000136	.000131	.000126	.000121	.000116	.000112
-3.7	.000107	.000103	.000099	.000096	.000092	.000088	.000084	.000081	.000078	.000075
-3.8	.000072	.000069	.000067	.000064	.000061	.000059	.000056	.000054	.000052	.000050
-3.9	.000048	.000046	.000044	.000042	.000040	.000039	.000037	.000035	.000034	.000033
-4.0	.000031	.000030	.000029	.000027	.000026	.000025	.000024	.000023	.000022	.000021
-4.1	.000020	.000019	.000018	.000017	.000016	.000015	.000014	.000013	.000012	.000011
-4.2	.000010	.000009	.000008	.000007	.000006	.000005	.000004	.000003	.000002	.000001
-4.3	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
-4.4	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
-4.5	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
-4.6	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
-4.7	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
-4.8	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
-4.9	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000

# Cuantiles $\chi^2_{\alpha,\nu}$

$\nu \backslash \alpha$	0.010	0.025	0.050	0.100	0.200	0.800	0.900	0.950	0.975	0.990
1	.0 <sup>3</sup> 1571	.0 <sup>3</sup> 9821	.003932	.015791	.064185	1.64237	2.70554	3.84146	5.02389	6.63490
2	.020101	.050636	.102587	.210721	.446287	3.21888	4.60517	5.99146	7.37776	9.21034
3	.114832	.215795	.351846	.584374	1.00517	4.64163	6.25139	7.81473	9.34840	11.3449
4	.297109	.484419	.710723	1.06362	1.64878	5.98862	7.77944	9.48773	11.1433	13.2767
5	.554298	.831212	1.14548	1.61031	2.34253	7.28928	9.23636	11.0705	12.8325	15.0863
6	.872090	1.23734	1.63538	2.20413	3.07009	8.55806	10.6446	12.5916	14.4494	16.8119
7	1.23904	1.68987	2.16735	2.83311	3.82232	9.80325	12.0170	14.0671	16.0128	18.4753
8	1.64650	2.17973	2.73264	3.48954	4.59357	11.0301	13.3616	15.5073	17.5345	20.0902
9	2.08790	2.70039	3.32511	4.16816	5.38005	12.2421	14.6837	16.9190	19.0228	21.6660
10	2.55821	3.24697	3.94030	4.86518	6.17908	13.4420	15.9872	18.3070	20.4832	23.2093
11	3.05348	3.81575	4.57481	5.57778	6.98867	14.6314	17.2750	19.6751	21.9200	24.7250
12	3.57057	4.40379	5.22603	6.30380	7.80733	15.8120	18.5493	21.0261	23.3367	26.2170
13	4.10692	5.00875	5.89186	7.04150	8.63386	16.9848	19.8119	22.3620	24.7356	27.6882
14	4.66043	5.62873	6.57063	7.78953	9.46733	18.1508	21.0641	23.6848	26.1189	29.1412
15	5.22935	6.26214	7.26094	8.54676	10.3070	19.3107	22.3071	24.9958	27.4884	30.5779
16	5.81221	6.90766	7.96165	9.31224	11.1521	20.4651	23.5418	26.2962	28.8454	31.9999
17	6.40776	7.56419	8.67176	10.0852	12.0023	21.6146	24.7690	27.5871	30.1910	33.4087
18	7.01491	8.23075	9.39046	10.8649	12.8570	22.7595	25.9894	28.8693	31.5264	34.8053
19	7.63273	8.90652	10.1170	11.6509	13.7158	23.9004	27.2036	30.1435	32.8523	36.1909
20	8.26040	9.59078	10.8508	12.4426	14.5784	25.0375	28.4120	31.4104	34.1696	37.5662
21	8.89720	10.2829	11.5913	13.2396	15.4446	26.1711	29.6151	32.6706	35.4789	38.9322
22	9.54249	10.9823	12.3380	14.0415	16.3140	27.3015	30.8133	33.9244	36.7807	40.2894
23	10.1957	11.6886	13.0905	14.8480	17.1865	28.4288	32.0069	35.1725	38.0756	41.6384
24	10.8564	12.4012	13.8484	15.6587	18.0618	29.5533	33.1962	36.4150	39.3641	42.9798
25	11.5240	13.1197	14.6114	16.4734	18.9398	30.6752	34.3816	37.6525	40.6465	44.3141
26	12.1981	13.8439	15.3792	17.2919	19.8202	31.7946	35.5632	38.8851	41.9232	45.6417
27	12.8785	14.5734	16.1514	18.1139	20.7030	32.9117	36.7412	40.1133	43.1945	46.9629
28	13.5647	15.3079	16.9279	18.9392	21.5880	34.0266	37.9159	41.3371	44.4608	48.2782
29	14.2565	16.0471	17.7084	19.7677	22.4751	35.1394	39.0875	42.5570	45.7223	49.5879
30	14.9535	16.7908	18.4927	20.5992	23.3641	36.2502	40.2560	43.7730	46.9792	50.8922
31	15.6555	17.5387	19.2806	21.4336	24.2551	37.3591	41.4217	44.9853	48.2319	52.1914
32	16.3622	18.2908	20.0719	22.2706	25.1478	38.4663	42.5847	46.1943	49.4804	53.4858
33	17.0735	19.0467	20.8665	23.1102	26.0422	39.5718	43.7452	47.3999	50.7251	54.7755
34	17.7891	19.8063	21.6643	23.9523	26.9383	40.6756	44.9032	48.6024	51.9660	56.0609
35	18.5089	20.5694	22.4650	24.7967	27.8359	41.7780	46.0588	49.8018	53.2033	57.3421
36	19.2327	21.3359	23.2686	25.6433	28.7350	42.8788	47.2122	50.9985	54.4373	58.6192
37	19.9602	22.1056	24.0749	26.4921	29.6355	43.9782	48.3634	52.1923	55.6680	59.8925
38	20.6914	22.8785	24.8839	27.3430	30.5373	45.0763	49.5126	53.3835	56.8955	61.1621
39	21.4262	23.6543	25.6954	28.1958	31.4405	46.1730	50.6598	54.5722	58.1201	62.4281
40	22.1643	24.4330	26.5093	29.0505	32.3450	47.2685	51.8051	55.7585	59.3417	63.6907
41	22.9056	25.2145	27.3256	29.9071	33.2506	48.3628	52.9485	56.9424	60.5606	64.9501
42	23.6501	25.9987	28.1440	30.7654	34.1574	49.4560	54.0902	58.1240	61.7768	66.2062
43	24.3976	26.7854	28.9647	31.6255	35.0653	50.5480	55.2302	59.3035	62.9904	67.4593
44	25.1480	27.5746	29.7875	32.4871	35.9743	51.6389	56.3685	60.4809	64.2015	68.7095
45	25.9013	28.3662	30.6123	33.3504	36.8844	52.7288	57.5053	61.6562	65.4102	69.9568
46	26.6572	29.1601	31.4390	34.2152	37.7955	53.8177	58.6405	62.8296	66.6165	71.2014
47	27.4158	29.9562	32.2676	35.0814	38.7075	54.9056	59.7743	64.0011	67.8206	72.4433
48	28.1770	30.7545	33.0981	35.9491	39.6205	55.9926	60.9066	65.1708	69.0226	73.6826
49	28.9406	31.5549	33.9303	36.8182	40.5344	57.0786	62.0375	66.3386	70.2224	74.9195
50	29.7067	32.3574	34.7643	37.6886	41.4492	58.1638	63.1671	67.5048	71.4202	76.1539

# Cuantiles $F_{0.90, \nu_1, \nu_2}$

Para una área  $\alpha = 0.90$  a la izquierda.

	$\nu_2$																
	1	2	4	6	8	10	12	14	16	18	20	25	30	60	100	$\infty$	
$\nu_1$	1	39.86	8.526	4.545	3.776	3.458	3.285	3.177	3.102	3.048	3.007	2.975	2.918	2.881	2.791	2.756	2.706
	2	49.50	9.000	4.325	3.463	3.113	2.924	2.807	2.726	2.668	2.624	2.589	2.528	2.489	2.393	2.356	2.303
	3	53.59	9.162	4.191	3.289	2.924	2.728	2.606	2.522	2.462	2.416	2.380	2.317	2.276	2.177	2.139	2.084
	4	55.83	9.243	4.107	3.181	2.806	2.605	2.480	2.395	2.333	2.286	2.249	2.184	2.142	2.041	2.002	1.945
	5	57.24	9.293	4.051	3.108	2.726	2.522	2.394	2.307	2.244	2.196	2.158	2.092	2.049	1.946	1.906	1.847
	6	58.20	9.326	4.010	3.055	2.668	2.461	2.331	2.243	2.178	2.130	2.091	2.024	1.980	1.875	1.834	1.774
	7	58.91	9.349	3.979	3.014	2.624	2.414	2.283	2.193	2.128	2.079	2.040	1.971	1.927	1.819	1.778	1.717
	8	59.44	9.367	3.955	2.983	2.589	2.377	2.245	2.154	2.088	2.038	1.999	1.929	1.884	1.775	1.732	1.670
	9	59.86	9.381	3.936	2.958	2.561	2.347	2.214	2.122	2.055	2.005	1.965	1.895	1.849	1.738	1.695	1.632
	10	60.19	9.392	3.920	2.937	2.538	2.323	2.188	2.095	2.028	1.977	1.937	1.866	1.819	1.707	1.663	1.599
	11	60.47	9.401	3.907	2.920	2.519	2.302	2.166	2.073	2.005	1.954	1.913	1.841	1.794	1.680	1.636	1.570
	12	60.71	9.408	3.896	2.905	2.502	2.284	2.147	2.054	1.985	1.933	1.892	1.820	1.773	1.657	1.612	1.546
	13	60.90	9.415	3.886	2.892	2.488	2.269	2.131	2.037	1.968	1.916	1.875	1.802	1.754	1.637	1.592	1.524
	14	61.07	9.420	3.878	2.881	2.475	2.255	2.117	2.022	1.953	1.900	1.859	1.785	1.737	1.619	1.573	1.505
	15	61.22	9.425	3.870	2.871	2.464	2.244	2.105	2.010	1.940	1.887	1.845	1.771	1.722	1.603	1.557	1.487
	16	61.35	9.429	3.864	2.863	2.455	2.233	2.094	1.998	1.928	1.875	1.833	1.758	1.709	1.589	1.542	1.471
	17	61.46	9.432	3.858	2.855	2.446	2.224	2.084	1.988	1.917	1.864	1.821	1.746	1.697	1.576	1.528	1.457
	18	61.57	9.436	3.853	2.848	2.438	2.215	2.075	1.978	1.908	1.854	1.811	1.736	1.686	1.564	1.516	1.444
	19	61.66	9.439	3.849	2.842	2.431	2.208	2.067	1.970	1.899	1.845	1.802	1.726	1.676	1.553	1.505	1.432
	20	61.74	9.441	3.844	2.836	2.425	2.201	2.060	1.962	1.891	1.837	1.794	1.718	1.667	1.543	1.494	1.421
	21	61.82	9.444	3.841	2.831	2.419	2.194	2.053	1.955	1.884	1.829	1.786	1.710	1.659	1.534	1.485	1.410
	22	61.88	9.446	3.837	2.827	2.413	2.189	2.047	1.949	1.877	1.823	1.779	1.702	1.651	1.526	1.476	1.401
	23	61.95	9.448	3.834	2.822	2.409	2.183	2.041	1.943	1.871	1.816	1.773	1.695	1.644	1.518	1.468	1.392
	24	62.00	9.450	3.831	2.818	2.404	2.178	2.036	1.938	1.866	1.810	1.767	1.689	1.638	1.511	1.460	1.383
	25	62.05	9.451	3.828	2.815	2.400	2.174	2.031	1.933	1.860	1.805	1.761	1.683	1.632	1.504	1.453	1.375
26	62.10	9.453	3.826	2.811	2.396	2.170	2.027	1.928	1.855	1.800	1.756	1.678	1.626	1.498	1.446	1.368	
27	62.15	9.454	3.823	2.808	2.392	2.166	2.022	1.923	1.851	1.795	1.751	1.672	1.621	1.492	1.440	1.361	
28	62.19	9.456	3.821	2.805	2.389	2.162	2.019	1.919	1.847	1.791	1.746	1.668	1.616	1.486	1.434	1.354	
29	62.23	9.457	3.819	2.803	2.386	2.159	2.015	1.916	1.843	1.787	1.742	1.663	1.611	1.481	1.428	1.348	
30	62.26	9.458	3.817	2.800	2.383	2.155	2.011	1.912	1.839	1.783	1.738	1.659	1.606	1.476	1.423	1.342	
32	62.33	9.460	3.814	2.795	2.378	2.150	2.005	1.905	1.832	1.776	1.731	1.651	1.598	1.466	1.413	1.331	
34	62.39	9.462	3.811	2.791	2.373	2.144	2.000	1.899	1.826	1.769	1.724	1.644	1.591	1.458	1.404	1.321	
36	62.44	9.463	3.808	2.787	2.369	2.140	1.995	1.894	1.820	1.764	1.718	1.638	1.585	1.450	1.396	1.311	
38	62.49	9.465	3.806	2.784	2.365	2.135	1.990	1.889	1.815	1.758	1.713	1.632	1.579	1.444	1.388	1.303	
40	62.53	9.466	3.804	2.781	2.361	2.132	1.986	1.885	1.811	1.754	1.708	1.627	1.573	1.437	1.382	1.295	
42	62.57	9.467	3.802	2.778	2.358	2.128	1.982	1.881	1.807	1.749	1.704	1.622	1.568	1.432	1.375	1.288	
44	62.60	9.469	3.800	2.776	2.355	2.125	1.979	1.878	1.803	1.746	1.700	1.618	1.564	1.426	1.370	1.281	
46	62.63	9.470	3.798	2.774	2.353	2.122	1.976	1.874	1.800	1.742	1.696	1.614	1.560	1.421	1.364	1.275	
48	62.66	9.470	3.797	2.772	2.350	2.120	1.973	1.871	1.796	1.739	1.693	1.611	1.556	1.417	1.359	1.269	
50	62.69	9.471	3.795	2.770	2.348	2.117	1.970	1.869	1.793	1.736	1.690	1.607	1.552	1.413	1.355	1.263	
60	62.79	9.475	3.790	2.762	2.339	2.107	1.960	1.857	1.782	1.723	1.677	1.593	1.538	1.395	1.336	1.240	
70	62.87	9.477	3.786	2.756	2.333	2.100	1.952	1.849	1.773	1.714	1.667	1.583	1.527	1.382	1.321	1.222	
80	62.93	9.479	3.782	2.752	2.328	2.095	1.946	1.843	1.766	1.707	1.660	1.576	1.519	1.372	1.310	1.207	
100	63.01	9.481	3.778	2.746	2.321	2.087	1.938	1.834	1.757	1.698	1.650	1.565	1.507	1.358	1.293	1.185	
$\infty$	63.33	9.491	3.761	2.722	2.293	2.055	1.904	1.797	1.718	1.657	1.607	1.518	1.456	1.291	1.214	1.000	

# Cuantiles $F_{0.95, \nu_1, \nu_2}$

Para una área  $\alpha = 0.95$  a la izquierda.

	$\nu_2$																
	1	2	4	6	8	10	12	14	16	18	20	25	30	60	100	$\infty$	
$\nu_1$	1	161.4	18.51	7.709	5.987	5.318	4.965	4.747	4.600	4.494	4.414	4.351	4.242	4.171	4.001	3.936	3.841
	2	199.5	19.00	6.944	5.143	4.459	4.103	3.885	3.739	3.634	3.555	3.493	3.385	3.316	3.150	3.087	2.996
	3	215.7	19.16	6.591	4.757	4.066	3.708	3.490	3.344	3.239	3.160	3.098	2.991	2.922	2.758	2.696	2.605
	4	224.6	19.25	6.388	4.534	3.838	3.478	3.259	3.112	3.007	2.928	2.866	2.759	2.690	2.525	2.463	2.372
	5	230.2	19.30	6.256	4.387	3.687	3.326	3.106	2.958	2.852	2.773	2.711	2.603	2.534	2.368	2.305	2.214
	6	234.0	19.33	6.163	4.284	3.581	3.217	2.996	2.848	2.741	2.661	2.599	2.490	2.421	2.254	2.191	2.099
	7	236.8	19.35	6.094	4.207	3.500	3.135	2.913	2.764	2.657	2.577	2.514	2.405	2.334	2.167	2.103	2.010
	8	238.9	19.37	6.041	4.147	3.438	3.072	2.849	2.699	2.591	2.510	2.447	2.337	2.266	2.097	2.032	1.938
	9	240.5	19.38	5.999	4.099	3.388	3.020	2.796	2.646	2.538	2.456	2.393	2.282	2.211	2.040	1.975	1.880
	10	241.9	19.40	5.964	4.060	3.347	2.978	2.753	2.602	2.494	2.412	2.348	2.236	2.165	1.993	1.927	1.831
	11	243.0	19.41	5.936	4.027	3.313	2.943	2.717	2.565	2.456	2.374	2.310	2.198	2.126	1.952	1.886	1.789
	12	243.9	19.41	5.912	4.000	3.284	2.913	2.687	2.534	2.425	2.342	2.278	2.165	2.092	1.917	1.850	1.752
	13	244.7	19.42	5.891	3.976	3.259	2.887	2.660	2.507	2.397	2.314	2.250	2.136	2.063	1.887	1.819	1.720
	14	245.4	19.42	5.873	3.956	3.237	2.865	2.637	2.484	2.373	2.290	2.225	2.111	2.037	1.860	1.792	1.692
	15	246.0	19.43	5.858	3.938	3.218	2.845	2.617	2.463	2.352	2.269	2.203	2.089	2.015	1.836	1.768	1.666
	16	246.5	19.43	5.844	3.922	3.202	2.828	2.599	2.445	2.333	2.250	2.184	2.069	1.995	1.815	1.746	1.644
	17	246.9	19.44	5.832	3.908	3.187	2.812	2.583	2.428	2.317	2.233	2.167	2.051	1.976	1.796	1.726	1.623
	18	247.3	19.44	5.821	3.896	3.173	2.798	2.568	2.413	2.302	2.217	2.151	2.035	1.960	1.778	1.708	1.604
	19	247.7	19.44	5.811	3.884	3.161	2.785	2.555	2.400	2.288	2.203	2.137	2.021	1.945	1.763	1.691	1.587
	20	248.0	19.45	5.803	3.874	3.150	2.774	2.544	2.388	2.276	2.191	2.124	2.007	1.932	1.748	1.676	1.571
	21	248.3	19.45	5.795	3.865	3.140	2.764	2.533	2.377	2.264	2.179	2.112	1.995	1.919	1.735	1.663	1.556
	22	248.6	19.45	5.787	3.856	3.131	2.754	2.523	2.367	2.254	2.168	2.102	1.984	1.908	1.722	1.650	1.542
	23	248.8	19.45	5.781	3.849	3.123	2.745	2.514	2.357	2.244	2.159	2.092	1.974	1.897	1.711	1.638	1.529
	24	249.1	19.45	5.774	3.841	3.115	2.737	2.505	2.349	2.235	2.150	2.082	1.964	1.887	1.700	1.627	1.517
	25	249.3	19.46	5.769	3.835	3.108	2.730	2.498	2.341	2.227	2.141	2.074	1.955	1.878	1.690	1.616	1.506
	26	249.5	19.46	5.763	3.829	3.102	2.723	2.491	2.333	2.220	2.134	2.066	1.947	1.870	1.681	1.607	1.496
	27	249.6	19.46	5.759	3.823	3.095	2.716	2.484	2.326	2.212	2.126	2.059	1.940	1.862	1.672	1.598	1.486
	28	249.8	19.46	5.754	3.818	3.090	2.710	2.478	2.320	2.206	2.119	2.052	1.932	1.854	1.664	1.589	1.476
	29	250.0	19.46	5.750	3.813	3.084	2.705	2.472	2.314	2.200	2.113	2.045	1.926	1.847	1.656	1.581	1.467
	30	250.1	19.46	5.746	3.808	3.079	2.700	2.466	2.308	2.194	2.107	2.039	1.919	1.841	1.649	1.573	1.459
	32	250.4	19.46	5.739	3.800	3.070	2.690	2.456	2.298	2.183	2.096	2.028	1.908	1.829	1.636	1.559	1.444
	34	250.6	19.47	5.732	3.792	3.062	2.681	2.447	2.289	2.174	2.087	2.018	1.897	1.818	1.624	1.547	1.429
	36	250.8	19.47	5.727	3.786	3.055	2.674	2.439	2.280	2.165	2.078	2.009	1.888	1.808	1.613	1.535	1.417
	38	251.0	19.47	5.722	3.780	3.049	2.667	2.432	2.273	2.158	2.070	2.001	1.879	1.800	1.603	1.525	1.405
	40	251.1	19.47	5.717	3.774	3.043	2.661	2.426	2.266	2.151	2.063	1.994	1.872	1.792	1.594	1.515	1.394
	42	251.3	19.47	5.713	3.769	3.037	2.655	2.420	2.260	2.144	2.056	1.987	1.865	1.785	1.586	1.506	1.384
	44	251.4	19.47	5.709	3.765	3.033	2.650	2.415	2.255	2.139	2.050	1.981	1.858	1.778	1.578	1.498	1.375
	46	251.6	19.47	5.706	3.761	3.028	2.645	2.410	2.250	2.133	2.045	1.976	1.853	1.772	1.572	1.491	1.366
	48	251.7	19.47	5.702	3.757	3.024	2.641	2.405	2.245	2.129	2.040	1.970	1.847	1.766	1.565	1.484	1.358
	50	251.8	19.48	5.699	3.754	3.020	2.637	2.401	2.241	2.124	2.035	1.966	1.842	1.761	1.559	1.477	1.350
	60	252.2	19.48	5.688	3.740	3.005	2.621	2.384	2.223	2.106	2.017	1.946	1.822	1.740	1.534	1.450	1.318
	70	252.5	19.48	5.679	3.730	2.994	2.609	2.372	2.210	2.093	2.003	1.932	1.807	1.724	1.516	1.430	1.293
	80	252.7	19.48	5.673	3.722	2.986	2.601	2.363	2.201	2.083	1.993	1.922	1.796	1.712	1.502	1.415	1.273
	100	253.0	19.49	5.664	3.712	2.975	2.588	2.350	2.187	2.068	1.978	1.907	1.779	1.695	1.481	1.392	1.243
	$\infty$	254.3	19.50	5.628	3.669	2.928	2.538	2.296	2.131	2.010	1.917	1.843	1.711	1.622	1.389	1.283	1.000

# Cuantiles $F_{0.975, \nu_1, \nu_2}$

Para una área  $\alpha = 0.975$  a la izquierda.

		$\nu_2$															
		1	2	4	6	8	10	12	14	16	18	20	25	30	60	100	$\infty$
$\nu_1$	1	647.8	38.51	12.22	8.813	7.571	6.937	6.554	6.298	6.115	5.978	5.871	5.686	5.568	5.286	5.179	5.024
	2	799.5	39.00	10.65	7.260	6.059	5.456	5.096	4.857	4.687	4.560	4.461	4.291	4.182	3.925	3.828	3.689
	3	864.2	39.17	9.979	6.599	5.416	4.826	4.474	4.242	4.077	3.954	3.859	3.694	3.589	3.343	3.250	3.116
	4	899.6	39.25	9.605	6.227	5.053	4.468	4.121	3.892	3.729	3.608	3.515	3.353	3.250	3.008	2.917	2.786
	5	921.8	39.30	9.364	5.988	4.817	4.236	3.891	3.663	3.502	3.382	3.289	3.129	3.026	2.786	2.696	2.567
	6	937.1	39.33	9.197	5.820	4.652	4.072	3.728	3.501	3.341	3.221	3.128	2.969	2.867	2.627	2.537	2.408
	7	948.2	39.35	9.074	5.695	4.529	3.950	3.607	3.380	3.219	3.100	3.007	2.848	2.746	2.507	2.417	2.288
	8	956.6	39.37	8.980	5.600	4.433	3.855	3.512	3.285	3.125	3.005	2.913	2.753	2.651	2.412	2.321	2.192
	9	963.3	39.39	8.905	5.523	4.357	3.779	3.436	3.209	3.049	2.929	2.837	2.677	2.575	2.334	2.244	2.114
	10	968.6	39.40	8.844	5.461	4.295	3.717	3.374	3.147	2.986	2.866	2.774	2.613	2.511	2.270	2.179	2.048
	11	973.0	39.41	8.793	5.410	4.243	3.665	3.321	3.095	2.934	2.814	2.721	2.560	2.458	2.216	2.124	1.993
	12	976.7	39.41	8.751	5.366	4.200	3.621	3.277	3.050	2.889	2.769	2.676	2.515	2.412	2.169	2.077	1.945
	13	979.8	39.42	8.715	5.329	4.162	3.583	3.239	3.012	2.851	2.730	2.637	2.476	2.372	2.129	2.036	1.903
	14	982.5	39.43	8.684	5.297	4.130	3.550	3.206	2.979	2.817	2.696	2.603	2.441	2.338	2.093	2.000	1.866
	15	984.9	39.43	8.657	5.269	4.101	3.522	3.177	2.949	2.788	2.667	2.573	2.411	2.307	2.061	1.968	1.833
	16	986.9	39.44	8.633	5.244	4.076	3.496	3.152	2.923	2.761	2.640	2.547	2.384	2.280	2.033	1.939	1.803
	17	988.7	39.44	8.611	5.222	4.054	3.474	3.129	2.900	2.738	2.617	2.523	2.360	2.255	2.008	1.913	1.776
	18	990.3	39.44	8.592	5.202	4.034	3.453	3.108	2.879	2.717	2.596	2.501	2.338	2.233	1.985	1.890	1.751
	19	991.8	39.45	8.575	5.184	4.016	3.435	3.090	2.861	2.698	2.576	2.482	2.318	2.213	1.964	1.868	1.729
	20	993.1	39.45	8.560	5.168	3.999	3.419	3.073	2.844	2.681	2.559	2.464	2.300	2.195	1.944	1.849	1.708
	21	994.3	39.45	8.546	5.154	3.985	3.403	3.057	2.828	2.665	2.543	2.448	2.284	2.178	1.927	1.830	1.689
	22	995.4	39.45	8.533	5.141	3.971	3.390	3.043	2.814	2.651	2.529	2.434	2.269	2.163	1.911	1.814	1.672
	23	996.3	39.45	8.522	5.128	3.959	3.377	3.031	2.801	2.637	2.515	2.420	2.255	2.149	1.896	1.798	1.655
	24	997.3	39.46	8.511	5.117	3.947	3.365	3.019	2.789	2.625	2.503	2.408	2.242	2.136	1.882	1.784	1.640
	25	998.1	39.46	8.501	5.107	3.937	3.355	3.008	2.778	2.614	2.491	2.396	2.230	2.124	1.869	1.770	1.626
	26	998.9	39.46	8.492	5.097	3.927	3.345	2.998	2.767	2.603	2.481	2.385	2.219	2.112	1.857	1.758	1.612
	27	999.6	39.46	8.483	5.088	3.918	3.335	2.988	2.758	2.594	2.471	2.375	2.209	2.102	1.845	1.746	1.600
	28	1000	39.46	8.475	5.080	3.909	3.327	2.979	2.749	2.584	2.461	2.366	2.199	2.092	1.835	1.735	1.588
	29	1001	39.46	8.468	5.072	3.901	3.319	2.971	2.740	2.576	2.453	2.357	2.190	2.083	1.825	1.725	1.577
	30	1001	39.46	8.461	5.065	3.894	3.311	2.963	2.732	2.568	2.445	2.349	2.182	2.074	1.815	1.715	1.566
	32	1002	39.47	8.449	5.052	3.881	3.297	2.949	2.718	2.553	2.430	2.334	2.166	2.058	1.798	1.697	1.546
	34	1003	39.47	8.438	5.041	3.869	3.285	2.937	2.705	2.540	2.416	2.320	2.152	2.044	1.782	1.680	1.528
	36	1004	39.47	8.428	5.030	3.858	3.274	2.925	2.694	2.529	2.405	2.308	2.140	2.031	1.768	1.666	1.512
	38	1005	39.47	8.419	5.021	3.848	3.264	2.915	2.684	2.518	2.394	2.297	2.128	2.019	1.756	1.652	1.497
	40	1006	39.47	8.411	5.012	3.840	3.255	2.906	2.674	2.509	2.384	2.287	2.118	2.009	1.744	1.640	1.484
	42	1006	39.47	8.404	5.005	3.832	3.247	2.898	2.666	2.500	2.375	2.278	2.109	1.999	1.733	1.629	1.471
	44	1007	39.47	8.397	4.998	3.825	3.240	2.891	2.658	2.492	2.367	2.270	2.100	1.991	1.724	1.618	1.459
	46	1007	39.48	8.391	4.992	3.818	3.233	2.884	2.651	2.485	2.360	2.263	2.093	1.982	1.715	1.609	1.448
	48	1008	39.48	8.386	4.986	3.812	3.227	2.877	2.644	2.478	2.353	2.256	2.085	1.975	1.706	1.600	1.438
	50	1008	39.48	8.381	4.980	3.807	3.221	2.871	2.638	2.472	2.347	2.249	2.079	1.968	1.699	1.592	1.428
	60	1010	39.48	8.360	4.959	3.784	3.198	2.848	2.614	2.447	2.321	2.223	2.052	1.940	1.667	1.558	1.388
	70	1011	39.48	8.346	4.943	3.768	3.182	2.831	2.597	2.429	2.303	2.205	2.032	1.920	1.643	1.532	1.357
	80	1012	39.49	8.335	4.932	3.756	3.169	2.818	2.583	2.415	2.289	2.190	2.017	1.904	1.625	1.512	1.333
	100	1013	39.49	8.319	4.915	3.739	3.152	2.800	2.565	2.396	2.269	2.170	1.996	1.882	1.599	1.483	1.296
	$\infty$	1018	39.50	8.257	4.849	3.670	3.080	2.725	2.487	2.316	2.187	2.085	1.906	1.787	1.482	1.347	1.000

# Cuantiles $F_{0.99, \nu_1, \nu_2}$

Para una área  $\alpha = 0.99$  a la izquierda.

		$\nu_2$															
		1	2	4	6	8	10	12	14	16	18	20	25	30	60	100	$\infty$
$\nu_1$	1	4052	98.50	21.20	13.74	11.26	10.04	9.330	8.862	8.531	8.285	8.096	7.770	7.562	7.077	6.895	6.635
	2	4999	99.00	18.00	10.92	8.649	7.559	6.927	6.515	6.226	6.013	5.849	5.568	5.390	4.977	4.824	4.605
	3	5403	99.16	16.69	9.780	7.591	6.552	5.953	5.564	5.292	5.092	4.938	4.675	4.510	4.126	3.984	3.782
	4	5625	99.25	15.98	9.148	7.006	5.994	5.412	5.035	4.773	4.579	4.431	4.177	4.018	3.649	3.513	3.319
	5	5764	99.30	15.52	8.746	6.632	5.636	5.064	4.695	4.437	4.248	4.103	3.855	3.699	3.339	3.206	3.017
	6	5859	99.33	15.21	8.466	6.371	5.386	4.821	4.456	4.202	4.015	3.871	3.627	3.473	3.119	2.988	2.802
	7	5928	99.36	14.98	8.260	6.178	5.200	4.640	4.278	4.026	3.841	3.699	3.457	3.305	2.953	2.823	2.639
	8	5981	99.37	14.80	8.102	6.029	5.057	4.499	4.140	3.890	3.705	3.564	3.324	3.173	2.823	2.694	2.511
	9	6022	99.39	14.66	7.976	5.911	4.942	4.387	4.030	3.780	3.597	3.457	3.217	3.067	2.718	2.590	2.407
	10	6056	99.40	14.55	7.874	5.814	4.849	4.296	3.939	3.691	3.508	3.368	3.129	2.979	2.632	2.503	2.321
	11	6083	99.41	14.45	7.790	5.734	4.771	4.220	3.864	3.616	3.434	3.294	3.056	2.906	2.559	2.430	2.248
	12	6107	99.42	14.37	7.718	5.667	4.706	4.155	3.800	3.553	3.371	3.231	2.993	2.843	2.496	2.368	2.185
	13	6126	99.42	14.31	7.658	5.609	4.650	4.100	3.745	3.498	3.316	3.177	2.939	2.789	2.442	2.313	2.130
	14	6143	99.43	14.25	7.605	5.559	4.601	4.052	3.698	3.451	3.269	3.130	2.892	2.742	2.394	2.265	2.082
	15	6157	99.43	14.20	7.559	5.515	4.558	4.010	3.656	3.409	3.227	3.088	2.850	2.700	2.352	2.223	2.039
	16	6170	99.43	14.15	7.519	5.477	4.520	3.972	3.619	3.372	3.190	3.051	2.813	2.663	2.315	2.185	2.000
	17	6181	99.44	14.11	7.483	5.442	4.487	3.939	3.586	3.339	3.158	3.018	2.780	2.630	2.281	2.151	1.965
	18	6192	99.44	14.08	7.451	5.412	4.457	3.909	3.556	3.310	3.128	2.989	2.751	2.600	2.251	2.120	1.934
	19	6201	99.44	14.05	7.422	5.384	4.430	3.883	3.529	3.283	3.101	2.962	2.724	2.573	2.223	2.092	1.905
	20	6209	99.45	14.02	7.396	5.359	4.405	3.858	3.505	3.259	3.077	2.938	2.699	2.549	2.198	2.067	1.878
	21	6216	99.45	13.99	7.372	5.336	4.383	3.836	3.483	3.237	3.055	2.916	2.677	2.526	2.175	2.043	1.854
	22	6223	99.45	13.97	7.351	5.316	4.363	3.816	3.463	3.216	3.035	2.895	2.657	2.506	2.153	2.021	1.831
	23	6229	99.46	13.95	7.331	5.297	4.344	3.798	3.444	3.198	3.016	2.877	2.638	2.487	2.134	2.001	1.810
	24	6234	99.46	13.93	7.313	5.279	4.327	3.780	3.427	3.181	2.999	2.859	2.620	2.469	2.115	1.983	1.791
	25	6240	99.46	13.91	7.296	5.263	4.311	3.765	3.412	3.165	2.983	2.843	2.604	2.453	2.098	1.965	1.773
	26	6245	99.46	13.89	7.280	5.248	4.296	3.750	3.397	3.150	2.968	2.829	2.589	2.437	2.083	1.949	1.755
	27	6249	99.46	13.88	7.266	5.234	4.283	3.736	3.383	3.137	2.955	2.815	2.575	2.423	2.068	1.934	1.739
	28	6253	99.46	13.86	7.253	5.221	4.270	3.724	3.371	3.124	2.942	2.802	2.562	2.410	2.054	1.919	1.724
	29	6257	99.47	13.85	7.240	5.209	4.258	3.712	3.359	3.112	2.930	2.790	2.550	2.398	2.041	1.906	1.710
	30	6260	99.47	13.84	7.229	5.198	4.247	3.701	3.348	3.101	2.919	2.778	2.538	2.386	2.028	1.893	1.696
	32	6267	99.47	13.81	7.207	5.178	4.227	3.681	3.327	3.080	2.898	2.758	2.517	2.365	2.006	1.870	1.671
	34	6273	99.47	13.79	7.189	5.159	4.209	3.663	3.309	3.062	2.880	2.739	2.499	2.346	1.986	1.849	1.649
	36	6278	99.47	13.78	7.172	5.143	4.193	3.647	3.293	3.046	2.863	2.723	2.482	2.329	1.968	1.830	1.628
	38	6283	99.47	13.76	7.157	5.129	4.178	3.632	3.279	3.031	2.849	2.708	2.467	2.313	1.951	1.813	1.610
	40	6287	99.47	13.75	7.143	5.116	4.165	3.619	3.266	3.018	2.835	2.695	2.453	2.299	1.936	1.797	1.592
	42	6290	99.47	13.73	7.131	5.104	4.154	3.607	3.254	3.006	2.823	2.683	2.440	2.286	1.922	1.783	1.576
	44	6294	99.48	13.72	7.120	5.093	4.143	3.597	3.243	2.995	2.812	2.671	2.429	2.275	1.910	1.770	1.562
	46	6297	99.48	13.71	7.110	5.083	4.133	3.587	3.233	2.985	2.802	2.661	2.419	2.264	1.898	1.757	1.548
	48	6300	99.48	13.70	7.100	5.074	4.124	3.578	3.224	2.976	2.793	2.652	2.409	2.254	1.887	1.746	1.535
	50	6303	99.48	13.69	7.091	5.065	4.115	3.569	3.215	2.967	2.784	2.643	2.400	2.245	1.877	1.735	1.523
	60	6313	99.48	13.65	7.057	5.032	4.082	3.535	3.181	2.933	2.749	2.608	2.364	2.208	1.836	1.692	1.473
	70	6321	99.49	13.63	7.032	5.007	4.058	3.511	3.157	2.908	2.724	2.582	2.337	2.181	1.806	1.659	1.435
	80	6326	99.49	13.61	7.013	4.989	4.039	3.493	3.138	2.889	2.705	2.563	2.317	2.160	1.783	1.634	1.404
	100	6334	99.49	13.58	6.987	4.963	4.014	3.467	3.112	2.863	2.678	2.535	2.289	2.131	1.749	1.598	1.358
	$\infty$	6366	99.50	13.46	6.880	4.859	3.909	3.361	3.004	2.753	2.566	2.421	2.169	2.006	1.601	1.427	1.000