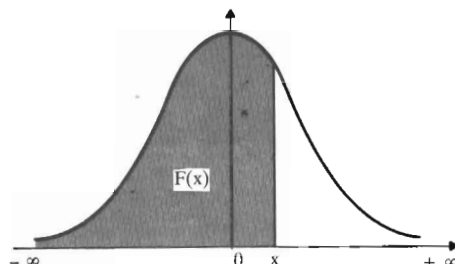


Tabla 1
F(x) de la distribución Normal



x	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.5000	0.5040	0.5080	0.5120	0.5160	0.5199	0.5239	0.5279	0.5319	0.5359
0.1	0.5398	0.5438	0.5478	0.5517	0.5557	0.5596	0.5636	0.5675	0.5714	0.5753
0.2	0.5793	0.5832	0.5871	0.5910	0.5948	0.5987	0.6026	0.6064	0.6103	0.6141
0.3	0.6179	0.6217	0.6255	0.6293	0.6331	0.6368	0.6406	0.6443	0.6480	0.6517
0.4	0.6554	0.6591	0.6628	0.6664	0.6700	0.6736	0.6772	0.6808	0.6844	0.6879
0.5	0.6915	0.6950	0.6985	0.7019	0.7054	0.7088	0.7123	0.7157	0.7190	0.7224
0.6	0.7257	0.7291	0.7324	0.7357	0.7389	0.7422	0.7454	0.7486	0.7517	0.7549
0.7	0.7580	0.7611	0.7642	0.7673	0.7704	0.7734	0.7764	0.7794	0.7823	0.7852
0.8	0.7881	0.7910	0.7939	0.7967	0.7995	0.8023	0.8051	0.8078	0.8106	0.8133
0.9	0.8159	0.8186	0.8212	0.8238	0.8264	0.8289	0.8315	0.8340	0.8365	0.8389
1.0	0.8413	0.8438	0.8461	0.8485	0.8508	0.8531	0.8554	0.8577	0.8599	0.8621
1.1	0.8643	0.8655	0.8686	0.8708	0.8729	0.8749	0.8870	0.8790	0.8810	0.8830
1.2	0.8849	0.8869	0.8888	0.8907	0.8925	0.8944	0.8962	0.8980	0.8997	0.9015
1.3	0.9032	0.9049	0.9066	0.9082	0.9099	0.9115	0.9131	0.9147	0.9162	0.9177
1.4	0.9192	0.9207	0.9222	0.9236	0.9251	0.9265	0.9279	0.9292	0.9306	0.9319
1.5	0.9332	0.9345	0.9357	0.9370	0.9382	0.9394	0.9406	0.9418	0.9429	0.9441
1.6	0.9452	0.9463	0.9474	0.9484	0.9495	0.9505	0.9515	0.9525	0.9535	0.9545
1.7	0.9554	0.9564	0.9573	0.9582	0.9591	0.9599	0.9608	0.9616	0.9625	0.9633
1.8	0.9641	0.9649	0.9656	0.9664	0.9671	0.9678	0.9686	0.9693	0.9699	0.9706
1.9	0.9713	0.9719	0.9726	0.9732	0.9738	0.9744	0.9750	0.9756	0.9761	0.9767
2.0	0.9772	0.9778	0.9783	0.9788	0.9793	0.9798	0.9803	0.9808	0.9812	0.9817
2.1	0.9821	0.9826	0.9830	0.9834	0.9838	0.9842	0.9846	0.9850	0.9854	0.9857
2.2	0.9861	0.9864	0.9868	0.9871	0.9875	0.9878	0.9881	0.9884	0.9887	0.9890
2.3	0.9893	0.9896	0.9898	0.9901	0.9904	0.9906	0.9909	0.9911	0.9913	0.9916
2.4	0.9918	0.9920	0.9922	0.9925	0.9927	0.9929	0.9931	0.9932	0.9934	0.9936
2.5	0.9938	0.9940	0.9941	0.9943	0.9945	0.9946	0.9948	0.9949	0.9951	0.9952
2.6	0.9953	0.9955	0.9956	0.9957	0.9959	0.9960	0.9961	0.9962	0.9963	0.9964
2.7	0.9965	0.9966	0.9967	0.9968	0.9969	0.9970	0.9971	0.9972	0.9973	0.9974
2.8	0.9974	0.9975	0.9976	0.9977	0.9977	0.9978	0.9979	0.9979	0.9980	0.9981
2.9	0.9981	0.9982	0.9982	0.9983	0.9984	0.9984	0.9985	0.9985	0.9986	0.9986
Tabla para los grandes valores de x										
x	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	4.0	
F(x)	0.99865	0.99904	0.99931	0.99952	0.99966	0.99976	0.99984	0.99993	0.99997	

Nota: En el interior de la tabla se da la probabilidad de que una Normal típica caiga por debajo del valor x tabulado en el exterior de ella.

Tabla 3
Distribución Binomial

$$P(x = r) = \binom{n}{r} p^r (1-p)^{n-r}$$

n r p	.01	.05	.10	.15	.20	.25	.30	1/3	.35	.40	.45	.49	.50
2 0	.9801	.9025	.8100	.7225	.6400	.5625	.4900	.4444	.4225	.3600	.3025	.2601	.2500
2 1	.0198	.0975	.1800	.2550	.3200	.3750	.4200	.4444	.4550	.4800	.4950	.4998	.5000
2 2	.0001	.0025	.0100	.0225	.0400	.0625	.0900	.1111	.1225	.1600	.2025	.2401	.2500
3 0	.9703	.8574	.7290	.6141	.5120	.4219	.3430	.2963	.2746	.2160	.1664	.1327	.1250
3 1	.0294	.1354	.2430	.3251	.3840	.4219	.4410	.4444	.4436	.4320	.4084	.3823	.3750
3 2	.0003	.0071	.0270	.0574	.0960	.1406	.1890	.2222	.2389	.2880	.3341	.3674	.3750
3 3	.0000	.0001	.0010	.0034	.0080	.0156	.0270	.0370	.0429	.0640	.0911	.1176	.1250
4 0	.9606	.8145	.6561	.5220	.4096	.3164	.2401	.1975	.1785	.1296	.0915	.0677	.0625
4 1	.0388	.1715	.2916	.3685	.4096	.4219	.4116	.3951	.3845	.3456	.2995	.2600	.2500
4 2	.0006	.0135	.0486	.0975	.1636	.2109	.2646	.2963	.3105	.3456	.3675	.3747	.3750
4 3	.0000	.0005	.0036	.0115	.0256	.04609	.0756	.0998	.1115	.1536	.2005	.2400	.2500
4 4	.0000	.0000	.0001	.0005	.0016	.0039	.0081	.0123	.0150	.0256	.0410	.0576	.0625
5 0	.9510	.7738	.5905	.4437	.3277	.2373	.1681	.1317	.1160	.0778	.0503	.0345	.0312
5 1	.0480	.2036	.3280	.3915	.4096	.3855	.3602	.3292	.3124	.2592	.2059	.1657	.1562
5 2	.0010	.0214	.0729	.1382	.2048	.2637	.3087	.3292	.3364	.3456	.3369	.3185	.3125
5 3	.0000	.0011	.0081	.0244	.0512	.0879	.1323	.1646	.1811	.2304	.2757	.3060	.3125
5 4	.0000	.0000	.0004	.0022	.0064	.0146	.0284	.0412	.0488	.0768	.1128	.1470	.1562
5 5	.0000	.0000	.0000	.0001	.0003	.0010	.0024	.0041	.0053	.0102	.0185	.0283	.0312
6 0	.9415	.7351	.5314	.3771	.2621	.1780	.1176	.0878	.0754	.0467	.0277	.0176	.0156
6 1	.0571	.2321	.3543	.3993	.3932	.3560	.3025	.2634	.2437	.1866	.1359	.1014	.0938
6 2	.0014	.0305	.0984	.1762	.2458	.2966	.3241	.3292	.3280	.3110	.2780	.2437	.2344
6 3	.0000	.0021	.0146	.0415	.0819	.1318	.1852	.2195	.2355	.2765	.3032	.3121	.3125
6 4	.0000	.0001	.0012	.0055	.0154	.0330	.0595	.0823	.0951	.1382	.1861	.2249	.2344
6 5	.0000	.0000	.0001	.0004	.0015	.0044	.0102	.0165	.0205	.0369	.0609	.0864	.0938
6 6	.0000	.0000	.0000	.0000	.0001	.0002	.0007	.0014	.0018	.0041	.0083	.0139	.0156
7 0	.9321	.6983	.4783	.3206	.2097	.1335	.0824	.0585	.0490	.0280	.0152	.0090	.0078
7 1	.0659	.2573	.3720	.3960	.3670	.3115	.2471	.2048	.1848	.1306	.0872	.0603	.0574
7 2	.0020	.0406	.1240	.2097	.2753	.3115	.3177	.3073	.2985	.2613	.2140	.1740	.1641
7 3	.0000	.0036	.0230	.0617	.1147	.1730	.2269	.2561	.2679	.2903	.2918	.2786	.2734
7 4	.0000	.0002	.0026	.0109	.0287	.0577	.0972	.1280	.1442	.1935	.2388	.2676	.2734
7 5	.0000	.0000	.0002	.0012	.0043	.0115	.0250	.0384	.0466	.0774	.1172	.1542	.1641
7 6	.0000	.0000	.0000	.0001	.0004	.0013	.0036	.0064	.0084	.0172	.0320	.0494	.0547
7 7	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0005	.0006	.0016	.0037	.0068	.0078
8 0	.9227	.6634	.4305	.2725	.1678	.1001	.0576	.0390	.0319	.0168	.0084	.0046	.0039
8 1	.0746	.2793	.3826	.3847	.3355	.2670	.1977	.1561	.1373	.0896	.0548	.0352	.0312
8 2	.0026	.0515	.1488	.2376	.2936	.3115	.2965	.2731	.2587	.2090	.1569	.1183	.1094
8 3	.0001	.0054	.0331	.0839	.1468	.2076	.2541	.2731	.2786	.2787	.2568	.2273	.2188
8 4	.0000	.0004	.0046	.0185	.0459	.0865	.1361	.1707	.1875	.2322	.2627	.2730	.2734
8 5	.0000	.0000	.0004	.0026	.0092	.0231	.0467	.0683	.0808	.1239	.1719	.2098	.2188
8 6	.0000	.0000	.0000	.0002	.0011	.0038	.0100	.0171	.0217	.0413	.0703	.1008	.1094
8 7	.0000	.0000	.0000	.0000	.0001	.0004	.0012	.0024	.0033	.0079	.0164	.0277	.0312
8 8	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0002	.0007	.0017	.0033	.0039
9 0	.9135	.6302	.3874	.2316	.1342	.0751	.0404	.0260	.0207	.0101	.0046	.0023	.0020
9 1	.0830	.2985	.3874	.3679	.3020	.2253	.1556	.1171	.1004	.0605	.0339	.0202	.0176
9 2	.0034	.0629	.1722	.2597	.3020	.3003	.2688	.2341	.2162	.1612	.1110	.0776	.0703
9 3	.0001	.0077	.0446	.1069	.1762	.2336	.2668	.2731	.2716	.2508	.2119	.1759	.1641
9 4	.0000	.0006	.0074	.0283	.0661	.1158	.1715	.2048	.2194	.2508	.2600	.2506	.2461
9 5	.0000	.0000	.0008	.0050	.0165	.0389	.0735	.1024	.1181	.1672	.2128	.2408	.2461
9 6	.0000	.0000	.0001	.0006	.0028	.0087	.0210	.0341	.0424	.0743	.1160	.1542	.1641
9 7	.0000	.0000	.0000	.0000	.0003	.0012	.0039	.0073	.0098	.0212	.0407	.0635	.0703
9 8	.0000	.0000	.0000	.0000	.0000	.0001	.0004	.0009	.0013	.0035	.0083	.0153	.0176
9 9	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0003	.0008	.0016	.0020
10 0	.9044	.5987	.3487	.1969	.1074	.0563	.0282	.0173	.0135	.0060	.0025	.0012	.0010
10 1	.0914	.3151	.3874	.3474	.2684	.1877	.1211	.0867	.0725	.0403	.0207	.0114	.0098
10 2	.0042	.0746	.1937	.2759	.3020	.2816	.2335	.1951	.1757	.1209	.0763	.0495	.0439
10 3	.0001	.0105	.0574	.1298	.2013	.2503	.2668	.2601	.2522	.2150	.1665	.1267	.1172
10 4	.0000	.0010	.0112	.0401	.0881	.1460	.2001	.2276	.2377	.2508	.2384	.2130	.2051
10 5	.0000	.0001	.0015	.0085	.0264	.0584	.1029	.1366	.1536	.2007	.2340	.2456	.2461
10 6	.0000	.0000	.0001	.0012	.0055	.0162	.0368	.0596	.0689	.1115	.1596	.1966	.2051
10 7	.0000	.0000	.0000	.0001	.0008	.0031	.0090	.0163	.0212	.0425	.0746	.1080	.1172
10 8	.0000	.0000	.0000	.0000	.0001	.0004	.0014	.0030	.0043	.0106	.0229	.0389	.0439
10 9	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0005	.0016	.0042	.0083	.0098
10 10	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0008	.0010

Nota: Para cada valor de n (primera columna) y de p (primera fila) en el interior de la tabla se da la probabilidad $P(x = r)$ de que una Binomial de parámetros n y p valga r (segunda columna).

Tabla 5

2.500 números aleatorios

0347437386	3696473661	4698637162	3326168045	6011141095
9774246762	4281145720	4253323732	2707360751	2451798973
1676622766	5650267107	3290797853	1355385859	8897541410
1256859926	9696682731	0503729315	5712101421	8826498176
5559563564	3854824622	3162430990	0618443253	2383013030
1622779439	4954435482	1737932378	8735209643	8426349164
8442175331	5724550688	7704744767	2176335025	8392120676
6301637859	1695556719	9810507175	1286735807	4439523879
3321123429	7864560782	5242074438	1551001342	9966027954
5760863244	0947279654	4917460962	9052847727	0802734328
1818079246	4417165809	7983861962	0676500310	5523640505
2662389775	8416074499	8311463224	2014858845	8392120676
2342406474	8297777781	0745321408	3298940772	9385791075
5236281995	5092261197	0056763138	8022025353	8660420453
3785943512	8339500830	4234079688	5442068798	3585294839
7029171213	4033203826	1389510374	1776371304	0774211930
5662183735	9683508775	9712259347	7033240354	9777464480
9949572277	8842954572	1664361600	0443186679	9477242190
1608150472	3327143409	4559346849	1272073445	9927729514
3116933243	5027898719	2015370049	5285666044	3868881180
6834301370	5574307740	4422788426	0433460952	6807970657
7457256576	5929976860	7191386754	1358182476	1554559552
2742378653	4855906572	9657693610	9646924245	9760490491
0039682961	6637322030	7784570329	1045650426	1104966724
2994989424	6849691082	5375919330	3425205727	4048735192
1690826659	8362641112	6719007174	6047212968	0202370331
1127947506	0609197466	0294373402	7670903086	3845943038
3524101620	3332512638	7978450491	1692535616	0275509598
3823168638	4238970150	8775668141	4001749162	4851840832
3196259147	9644334913	3486825391	0052434885	2755268962
5667406714	6405719586	1105650968	7683203790	5716001166
1490844511	7573880590	5227411486	2298122208	0752749580
6805511800	3396027519	0760629355	5933824390	4937384459
2046787390	9751401402	0402333108	3954164936	4795931330
6419589779	1506159320	0190107506	4078788962	0267741733
0526937060	2235851513	9203515977	5956780683	5291057074
0797108823	0998429964	6171629915	0651291693	5805770951
6871868585	5487664754	7332081112	4495926316	2956242948
2699616553	5837788070	4210506742	3217558574	9444671694
1465526875	8759362241	2678630655	1308270150	1529393943
1753775871	7141615072	1241949626	4495273699	0296743083
9026592119	2352233312	9693021839	0702183607	2599327023
4123525599	3104496996	1047484588	1341438920	9717144917
6020508169	3199736868	3581330376	2430124860	1899107234
9125380590	9458284136	4537590309	9035572912	8262546560
3450577437	9880330091	0977931982	7494800404	4507316649
8522043943	7381539479	3362468628	0831544631	5394133847
0979137748	7382972221	0503272483	7289440560	3580399488
8875801814	2295754249	3932822249	0248077037	1604616787
9096237000	3900030690	5585783836	9437306932	9089007633

Nota: Los números pueden seleccionarse en cualquier orden (de izquierda a derecha; de arriba abajo ...) y comenzando en cualquier posición.
Ríos, S. (1967)

Tabla 4

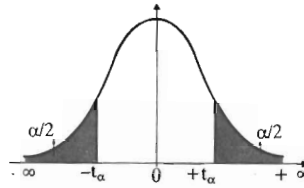
Distribución de Poisson

$$P(x = r) = e^{-\lambda} \frac{\lambda^r}{r!}$$

$\lambda \backslash r$	0	1	2	3	4	5	6	7	8	9	10	11	12
.1	.9048	.0905	.0045	.0002	.0000								
.2	.8187	.1637	.0164	.0011	.0001	.0000							
.3	.7408	.2222	.0333	.0033	.0002	.0000							
.4	.6703	.2681	.0536	.0072	.0007	.0001	.0000						
.5	.6065	.3033	.0758	.0126	.0016	.0002	.0000						
.6	.5488	.3293	.0988	.0198	.0030	.0004	.0000						
.7	.4966	.3476	.1217	.0284	.0050	.0007	.0001	.0000					
.8	.4493	.3595	.1438	.0383	.0077	.0012	.0002	.0000					
.9	.4066	.3659	.1647	.0494	.0111	.0020	.0003	.0000					
1.0	.3679	.3679	.1839	.0613	.0153	.0031	.0005	.0001	.0000				
1.1	.3329	.3662	.2014	.0738	.0203	.0045	.0008	.0001	.0000				
1.2	.3012	.3614	.2169	.0867	.0260	.0062	.0012	.0002	.0000				
1.3	.2725	.3543	.2303	.0998	.0324	.0084	.0018	.0003	.0001	.0000			
1.4	.2466	.3452	.2417	.1128	.0395	.0111	.0026	.0005	.0001	.0000			
1.5	.2231	.3347	.2510	.1255	.0471	.0141	.0035	.0008	.0001	.0000			
1.6	.2019	.3230	.2584	.1378	.0551	.0176	.0047	.0011	.0002	.0000			
1.7	.1827	.3106	.2640	.1496	.0636	.0216	.0061	.0015	.0003	.0001	.0000		
1.8	.1653	.2975	.2678	.1607	.0723	.0260	.0078	.0020	.0005	.0001	.0000		
1.9	.1496	.2842	.2700	.1710	.0812	.0309	.0098	.0027	.0006	.0001	.0000		
2.0	.1353	.2707	.2707	.1804	.0902	.0361	.0120	.0034	.0009	.0002	.0000		
2.2	.1108	.2438	.2681	.1966	.1082	.0476	.0174	.0055	.0015	.0004	.0001	.0000	
2.4	.0907	.2177	.2613	.2090	.1254	.0602	.0241	.0083	.0025	.0007	.0002	.0000	
2.6	.0743	.1931	.2510	.2176	.1414	.0735	.0319	.0118	.0038	.0011	.0003	.0001	.0000
2.8	.0608	.1703	.2384	.2225	.1557	.0872	.0407	.0163	.0057	.0018	.0005	.0001	.0000
3.0	.0498	.1494	.2240	.2240	.1680	.1008	.0504	.0216	.0081	.0027	.0008	.0002	.0001
3.2	.0408	.1304	.2087	.2226	.1781	.1140	.0608	.0278	.0111	.0040	.0013	.0004	.0001
3.4	.0334	.1135	.1929	.2186	.1858	.1264	.0716	.0348	.0148	.0056	.0019	.0006	.0002
3.6	.0273	.0984	.1771	.2125	.1912	.1377	.0826	.0425	.0191	.0076	.0028	.0009	.0003
3.8	.0224	.0850	.1615	.2046	.1944	.1477	.0936	.0508	.0241	.0102	.0039	.0013	.0004
4.0	.0183	.0733	.1465	.1954	.1954	.1563	.1042	.0595	.0298	.0132	.0053	.0019	.0006
5.0	.0067	.0337	.0842	.1404	.1755	.1755	.1462	.1044	.0663	.0363	.0181	.0082	.0034
6.0	.0025	.0149	.0446	.0892	.1339	.1606	.1606	.1377	.1033	.0688	.0413	.0225	.0113
7.0	.0009	.0064	.0223	.0521	.0912	.1277	.1490	.1490	.1304	.1014	.0710	.0452	.0264
8.0	.0003	.0027	.0107	.0286	.0573	.0916	.1221	.1396	.1396	.1241	.0993	.0722	.0481
9.0	.0001	.0011	.0050	.0150	.0337	.0607	.0911	.1171	.1318	.1318	.1186	.0970	.0728
10.0	.0000	.0005	.0023	.0076	.0189	.0378	.0631	.0901	.1126	.1251	.1251	.1137	.0948
$\lambda \backslash r$	13	14	15	16	17	18	19	20	21	22	23	24	
5.0	.0013	.0005	.0002										
6.0	.0052	.0022	.0009	.0003	.0001								
7.0	.0142	.0071	.0033	.0014	.0006	.0002	.0001						
8.0	.0296	.0169	.0090	.0045	.0021	.0009	.0004	.0002	.0001				
9.0	.0504	.0324	.0194	.0109	.0058	.0029	.0014	.0006	.0003	.0001			
10.0	.0729	.0521	.0347	.0217	.0128	.0071	.0037	.0019	.0009	.0004	.0002	.0001	

Nota: Para cada valor de λ (primera columna) en el interior de la tabla se da la probabilidad $P(x = r)$ de que una Poisson de parámetro λ valga r (primera fila). Las casillas en blanco indican que $P(x = r) = 0$.

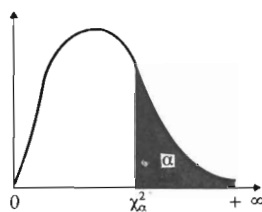
Tabla 6
Distribución t de Student



α g.l.	0.50	0.40	0.30	0.20	0.10	0.05	0.02	0.01	0.001
1	1.000	1.376	1.963	3.078	6.314	12.706	31.821	63.657	636.619
2	0.816	1.061	1.386	1.886	2.920	4.303	6.965	9.925	31.598
3	0.765	0.978	1.250	1.638	2.353	3.182	4.541	5.841	12.929
4	0.741	0.941	1.190	1.533	2.132	2.776	3.747	4.604	8.610
5	1.727	0.920	1.156	1.476	2.015	2.571	3.365	4.032	6.869
6	0.718	0.906	1.134	1.440	1.943	2.447	3.143	3.707	5.959
7	0.711	0.896	1.119	1.415	1.895	2.365	2.998	3.499	5.408
8	0.706	0.889	1.108	1.397	1.860	2.306	2.896	3.355	5.041
9	0.703	0.883	1.100	1.383	1.833	2.262	2.821	3.250	4.781
10	0.700	0.879	1.093	1.372	1.812	2.228	2.764	3.169	4.587
11	0.697	0.876	1.088	1.363	1.796	2.201	2.718	3.106	4.437
12	0.695	0.873	1.083	1.356	1.782	2.179	2.681	3.055	4.318
13	0.694	0.870	1.079	1.350	1.771	2.160	2.650	3.012	4.221
14	0.692	0.868	1.076	1.345	1.761	2.145	2.624	2.977	4.140
15	0.691	0.866	1.074	1.341	1.753	2.131	2.602	2.947	4.073
16	0.690	0.865	1.071	1.337	1.746	2.120	2.583	2.921	4.015
17	0.689	0.863	1.069	1.333	1.740	2.110	2.567	2.898	3.965
18	0.688	0.862	1.067	1.330	1.734	2.101	2.552	2.878	3.922
19	0.688	0.861	1.066	1.328	1.729	2.093	2.539	2.861	3.883
20	0.687	0.860	1.064	1.325	1.725	2.086	2.528	2.845	3.850
21	0.686	0.859	1.063	1.323	1.721	2.080	2.518	2.831	3.819
22	0.686	0.858	1.061	1.321	1.717	2.074	2.508	2.819	3.792
23	0.685	0.858	1.060	1.319	1.714	2.069	2.500	2.807	3.767
24	0.685	0.857	1.059	1.318	1.711	2.064	2.492	2.797	3.745
25	0.684	0.856	1.058	1.316	1.708	2.060	2.485	2.787	3.725
26	0.684	0.856	1.058	1.315	1.706	2.056	2.479	2.779	3.707
27	0.684	0.855	1.057	1.314	1.703	2.052	2.473	2.771	3.690
28	0.683	0.855	1.056	1.313	1.701	2.048	2.467	2.763	3.674
29	0.683	0.854	1.055	1.311	1.699	2.045	2.462	2.756	3.659
30	0.683	0.854	1.055	1.310	1.697	2.042	2.457	2.750	3.646
35	0.682	0.852	1.052	1.306	1.690	2.030	2.438	2.724	3.592
40	0.681	0.851	1.050	1.303	1.684	2.021	2.423	2.705	3.551
45	0.680	0.850	1.049	1.301	1.679	2.014	2.412	2.690	3.521
50	0.679	0.849	1.047	1.299	1.676	2.009	2.403	2.678	3.497
60	0.679	0.848	1.046	1.296	1.671	2.000	2.390	2.660	3.461
80	0.678	0.846	1.043	1.292	1.664	1.990	2.374	2.639	3.417
100	0.677	0.845	1.042	1.290	1.660	1.984	2.364	2.626	3.391
∞	0.674	0.842	1.036	1.282	1.645	1.960	2.326	2.576	3.291

Nota: Para cada valor de los g.l. (primera columna) y para cada valor de α (primera fila) en el interior de la tabla se da el valor t_{α} tal que a la izquierda de $-t_{\alpha}$ y a la derecha de $+t_{\alpha}$ queda un área total de α .

Tabla 7
Distribución χ^2



α g.l.	0.9950	0.9750	0.950	0.900	0.200	0.10	0.050	0.025	0.010	0.001
1	0.0000393	0.000982	0.00393	0.0158	1.642	2.706	3.841	5.024	6.635	10.828
2	0.0100	0.0506	0.103	0.211	3.219	4.605	5.991	7.378	9.210	13.816
3	0.0717	0.216	0.352	0.584	4.642	6.251	7.879	9.348	11.345	16.266
4	0.207	0.484	0.711	1.064	5.989	7.779	9.488	11.143	13.277	18.467
5	0.412	0.831	1.145	1.610	7.289	9.236	11.070	12.833	15.086	20.515
6	0.676	1.237	1.635	2.204	8.558	10.645	12.592	14.449	16.812	22.458
7	0.989	1.690	2.167	2.833	9.803	12.017	14.067	16.013	18.475	24.322
8	1.344	2.180	2.733	3.490	11.030	13.362	15.507	17.535	20.090	26.124
9	1.735	2.700	3.325	4.168	12.242	14.684	16.919	19.023	21.666	27.877
10	2.156	3.247	3.940	4.865	13.442	15.987	18.307	20.483	23.209	29.588
11	2.603	3.816	4.575	5.578	14.631	17.275	19.675	21.920	24.725	31.264
12	3.074	4.404	5.226	6.304	15.812	18.549	21.026	23.337	26.217	32.909
13	3.565	5.009	5.892	7.042	16.985	19.812	22.362	24.736	27.688	34.528
14	4.075	5.629	6.571	7.790	18.151	21.064	23.685	26.119	29.141	36.123
15	4.601	6.262	7.261	8.547	19.311	22.307	24.996	27.488	30.578	37.697
16	5.142	6.908	7.962	9.312	20.465	23.452	26.296	28.845	32.000	39.252
17	5.697	7.564	8.672	10.085	21.615	24.769	27.587	30.191	33.409	40.790
18	6.265	8.231	9.390	10.865	22.760	25.989	28.869	31.526	34.805	42.312
19	6.844	8.907	10.117	11.651	23.900	27.204	30.144	32.852	36.191	43.820
20	7.434	9.591	10.851	12.443	25.038	28.412	31.410	34.170	37.566	45.315
21	8.034	10.283	11.591	13.240	26.171	29.615	32.671	35.479	38.932	46.797
22	8.643	10.982	12.338	14.041	27.301	30.813	33.924	36.781	40.289	48.268
23	9.260	11.689	13.091	14.848	28.429	32.007	35.172	38.076	41.638	49.728
24	9.886	12.401	13.848	15.659	29.553	33.196	36.415	39.364	42.980	51.179
25	10.520	13.120	14.611	16.473	30.675	34.382	37.652	40.646	44.314	52.620
26	11.160	13.844	15.379	17.292	31.795	35.563	38.885	41.923	45.642	54.052
27	11.808	14.573	16.151	18.114	32.912	36.741	40.113	43.195	46.963	55.476
28	12.461	15.308	16.928	18.939	34.027	37.916	41.337	44.461	48.278	56.892
29	13.121	16.047	17.708	19.769	35.139	39.087	42.557	45.722	49.588	58.301
30	13.787	16.791	18.493	20.599	36.250	40.256	43.773	46.979	50.892	59.703

- Notas: 1) Para cada g.l. (primera columna) y para cada α (primera fila) en el interior de la tabla se da el valor χ^2_{α} que deja a su derecha un área de α .
2) Cuando es g.l. > 30, puede utilizarse la aproximación:

$$\chi^2_{\alpha}(f) \approx f \left\{ 1 - \frac{2}{9f} \pm t_{2f, \alpha} \sqrt{\frac{2}{9f}} \right\}^3$$

con f los g.l., $t_{2f, \alpha}$ en la Tabla 2 y el signo + utilizado cuando es $\alpha \leq 0,20$ y el - cuando es $\alpha \geq 0,80$.

Distribución F de Snedecor

$\alpha = 5\%$

$v_1 \backslash v_2$	1	2	3	4	5	6	7	8	9	10	12	15	20	24	30	40	60	120	∞
1	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5	241.9	243.9	245.9	248.0	249.1	250.1	251.1	252.2	253.3	254.3
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.41	19.43	19.45	19.45	19.46	19.47	19.48	19.49	19.50
3	10.13	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	5.97	5.91	5.86	5.80	5.77	5.74	5.72	5.69	5.66	5.63
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.73	4.68	4.62	4.56	4.53	4.50	4.46	4.43	4.40	4.36
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	5.59	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	3.31	3.27	3.23
8	5.32	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	3.00	2.97	2.93
9	5.12	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	2.82	2.79	2.75	2.71
10	4.96	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	4.84	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	4.75	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	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.60	2.53	2.46	2.42	2.38	2.34	2.30	2.25	2.21
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.53	2.46	2.39	2.35	2.31	2.27	2.22	2.18	2.13
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.48	2.40	2.33	2.29	2.25	2.20	2.16	2.11	2.07
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.42	2.35	2.28	2.24	2.19	2.15	2.11	2.06	2.01
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.38	2.31	2.23	2.19	2.15	2.10	2.06	2.01	1.96
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.34	2.27	2.19	2.15	2.11	2.06	2.02	1.97	1.92
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.31	2.23	2.16	2.11	2.07	2.03	1.98	1.93	1.88
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.28	2.20	2.12	2.08	2.04	1.99	1.95	1.90	1.84
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.25	2.18	2.10	2.05	2.01	1.96	1.92	1.87	1.81
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.23	2.15	2.07	2.03	1.98	1.94	1.89	1.84	1.78
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.20	2.13	2.05	2.00	1.96	1.91	1.86	1.81	1.76
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.18	2.11	2.03	1.98	1.94	1.89	1.84	1.79	1.73
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.16	2.09	2.01	1.96	1.92	1.87	1.82	1.77	1.71
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.15	2.07	1.99	1.93	1.90	1.85	1.80	1.75	1.69
27	4.21	3.35	2.96	2.73	2.57	2.45	2.37	2.31	2.25	2.20	2.13	2.06	1.97	1.91	1.88	1.84	1.79	1.73	1.67
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.12	2.04	1.96	1.91	1.87	1.82	1.77	1.71	1.65
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.10	2.03	1.94	1.90	1.85	1.81	1.75	1.70	1.64
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.09	2.01	1.93	1.89	1.84	1.79	1.74	1.68	1.62
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.00	1.92	1.84	1.79	1.74	1.69	1.64	1.58	1.51
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.92	1.84	1.75	1.71	1.65	1.59	1.53	1.47	1.39
120	3.92	3.07	2.68	2.45	2.29	2.17	2.09	2.02	1.96	1.91	1.83	1.75	1.66	1.61	1.55	1.50	1.43	1.35	1.25
∞	3.84	3.00	2.60	2.37	2.21	2.10	2.01	1.94	1.88	1.83	1.75	1.67	1.57	1.52	1.46	1.39	1.32	1.22	1.00

Nota: Para cada valor de los primeros g.l. v_1 (primera fila) y de los segundos g.l. v_2 (primera columna) en el interior de la tabla se da el valor F_α que deja a su derecha un área de α ($\alpha = 5\%$).

Distribución F de Snedecor

$\alpha = 1\%$

$v_2 \backslash v_1$	1	2	3	4	5	6	7	8	9	10	12	15	20	24	30	40	60	120	∞
1	4.052	5.000	5.403	5.623	5.764	5.859	5.928	5.981	6.022	6.056	6.106	6.157	6.209	6.235	6.261	6.287	6.313	6.339	6.366
2	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39	99.40	99.42	99.43	99.45	99.46	99.46	99.47	99.48	99.49	99.50
3	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.50	27.34	27.22	27.03	26.85	26.67	26.60	26.50	26.41	26.32	26.22	26.13
4	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66	14.55	14.37	14.19	14.02	13.94	13.84	13.75	13.65	13.56	13.46
5	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16	10.05	9.89	9.72	9.55	9.46	9.38	9.30	9.20	9.11	9.02
6	13.75	10.92	9.78	9.13	8.75	8.47	8.26	8.10	7.98	7.87	7.72	7.56	7.40	7.31	7.23	7.15	7.06	6.97	6.88
7	12.23	9.55	8.45	7.85	7.46	7.19	6.99	6.84	6.72	6.62	6.47	6.31	6.16	6.07	5.99	5.91	5.82	5.74	5.65
8	11.26	8.65	7.59	7.01	6.63	6.37	6.18	6.03	5.91	5.81	5.67	5.52	5.36	5.28	5.20	5.12	5.03	4.95	4.86
9	10.56	8.02	6.99	6.42	6.06	5.80	5.61	5.47	5.35	5.26	5.11	4.96	4.81	4.73	4.65	4.57	4.48	4.40	4.31
10	10.04	7.56	6.55	5.99	5.64	5.39	5.20	5.06	4.94	4.85	4.71	4.56	4.41	4.33	4.25	4.17	4.08	4.00	3.91
11	9.65	7.21	6.22	5.67	5.32	5.07	4.89	4.74	4.63	4.54	4.40	4.25	4.10	4.02	3.94	3.86	3.78	3.69	3.60
12	9.33	6.93	5.95	5.41	5.06	4.82	4.64	4.50	4.39	4.30	4.16	4.01	3.86	3.78	3.70	3.62	3.54	3.45	3.36
13	9.07	6.70	5.74	5.21	4.86	4.62	4.44	4.30	4.19	4.10	3.96	3.82	3.66	3.59	3.51	3.43	3.35	3.25	3.17
14	8.86	6.51	5.56	5.04	4.69	4.46	4.28	4.14	4.03	3.94	3.80	3.66	3.51	3.43	3.35	3.27	3.18	3.09	3.00
15	8.68	6.36	5.42	4.89	4.56	4.32	4.14	4.00	3.89	3.80	3.67	3.52	3.37	3.29	3.21	3.13	3.05	2.96	2.87
16	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	3.69	3.55	3.41	3.26	3.18	3.10	3.02	2.93	2.84	2.75
17	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68	3.59	3.46	3.31	3.16	3.08	3.00	2.92	2.83	2.75	2.65
18	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.60	3.51	3.37	3.23	3.08	3.00	2.92	2.84	2.75	2.66	2.57
19	8.18	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52	3.43	3.30	3.15	3.00	2.92	2.84	2.76	2.67	2.58	2.49
20	8.10	5.85	4.94	4.43	4.10	3.87	3.70	3.56	3.46	3.37	3.23	3.09	2.94	2.86	2.78	2.69	2.61	2.52	2.42
21	8.02	5.78	4.87	4.37	4.04	3.81	3.64	3.51	3.40	3.31	3.17	3.03	2.88	2.80	2.72	2.64	2.55	2.46	2.36
22	7.95	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.35	3.26	3.12	2.98	2.83	2.75	2.67	2.58	2.50	2.40	2.31
23	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	3.21	3.07	2.93	2.78	2.70	2.62	2.54	2.45	2.35	2.26
24	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.26	3.17	3.03	2.89	2.74	2.66	2.58	2.49	2.40	2.31	2.21
25	7.77	5.57	4.68	4.18	3.85	3.63	3.46	3.32	3.22	3.13	2.99	2.85	2.70	2.62	2.54	2.45	2.36	2.27	2.17
26	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.18	3.09	2.96	2.81	2.66	2.58	2.50	2.42	2.33	2.23	2.13
27	7.68	5.49	4.60	4.11	3.78	3.56	3.39	3.26	3.15	3.06	2.93	2.78	2.63	2.55	2.47	2.38	2.29	2.20	2.10
28	7.64	5.45	4.57	4.07	3.75	3.53	3.36	3.23	3.12	3.03	2.90	2.75	2.60	2.52	2.44	2.35	2.26	2.17	2.06
29	7.60	5.42	4.54	4.04	3.73	3.50	3.33	3.20	3.09	3.00	2.87	2.73	2.57	2.49	2.41	2.33	2.23	2.14	2.03
30	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.07	2.98	2.84	2.70	2.55	2.47	2.39	2.30	2.21	2.11	2.01
40	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.89	2.80	2.66	2.52	2.37	2.29	2.20	2.11	2.02	1.92	1.80
60	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72	2.63	2.50	2.35	2.20	2.12	2.03	1.94	1.84	1.73	1.60
120	6.85	4.79	3.95	3.48	3.17	2.96	2.79	2.66	2.56	2.47	2.34	2.19	2.03	1.95	1.86	1.76	1.66	1.53	1.38
∞	6.63	4.61	3.78	3.32	3.02	2.80	2.64	2.51	2.41	2.32	2.18	2.04	1.88	1.79	1.70	1.59	1.47	1.32	1.00

Nota: Para cada valor de los primeros g.l. v_1 (primera fila) y de los segundos g.l. v_2 (primera columna) en el interior de la tabla se da el valor F_{α} que deja a su derecha un área de α ($\alpha = 1\%$).

Tabla 16
Distribución de Bonferroni

f \ K	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35	40	45	50
2	2.92	4.30	5.34	6.21	6.96	7.65	8.28	8.86	9.41	9.92	12.19	14.09	15.76	17.28	18.67	19.96	21.18	22.33
3	2.35	3.18	3.74	4.18	4.54	4.86	5.14	5.39	5.63	5.84	6.74	7.45	8.05	8.58	9.04	9.46	9.85	10.21
4	2.13	2.78	3.19	3.50	3.75	3.96	4.15	4.31	4.47	4.60	5.17	5.60	5.95	6.25	6.52	6.76	6.97	7.17
5	2.02	2.57	2.91	3.16	3.36	3.53	3.68	3.81	3.93	4.03	4.46	4.77	5.03	5.25	5.44	5.60	5.76	5.89
6	1.94	2.45	2.75	2.97	3.14	3.29	3.41	3.52	3.62	3.71	4.06	4.32	4.52	4.70	4.85	4.98	5.10	5.21
7	1.89	2.36	2.64	2.84	3.00	3.13	3.24	3.34	3.42	3.50	3.81	4.03	4.21	4.36	4.48	4.59	4.69	4.79
8	1.86	2.31	2.57	2.75	2.90	3.02	3.12	3.21	3.28	3.36	3.63	3.83	3.99	4.12	4.23	4.33	4.42	4.50
9	1.83	2.26	2.51	2.69	2.82	2.93	3.03	3.11	3.18	3.25	3.51	3.69	3.83	3.95	4.06	4.15	4.23	4.30
10	1.81	2.23	2.47	2.63	2.76	2.87	2.96	3.04	3.11	3.17	3.41	3.58	3.72	3.83	3.92	4.00	4.08	4.14
11	1.80	2.20	2.43	2.59	2.72	2.82	2.91	2.98	3.05	3.11	3.33	3.50	3.62	3.73	3.82	3.89	3.96	4.02
12	1.78	2.18	2.40	2.56	2.68	2.78	2.86	2.93	3.00	3.05	3.27	3.43	3.55	3.65	3.73	3.81	3.87	3.93
13	1.77	2.16	2.38	2.53	2.65	2.75	2.83	2.90	2.96	3.01	3.22	3.37	3.49	3.58	3.66	3.73	3.80	3.85
14	1.76	2.14	2.36	2.51	2.62	2.72	2.80	2.86	2.92	2.98	3.18	3.33	3.44	3.53	3.61	3.67	3.73	3.79
15	1.75	2.13	2.34	2.49	2.60	2.69	2.77	2.84	2.89	2.95	3.15	3.29	3.39	3.48	3.56	3.62	3.68	3.73
16	1.75	2.12	2.33	2.47	2.58	2.67	2.75	2.81	2.87	2.92	3.12	3.25	3.36	3.44	3.52	3.58	3.64	3.69
17	1.74	2.11	2.32	2.46	2.57	2.65	2.73	2.79	2.85	2.90	3.09	3.22	3.33	3.41	3.48	3.54	3.60	3.65
18	1.73	2.10	2.30	2.45	2.55	2.64	2.71	2.77	2.83	2.88	3.07	3.20	3.30	3.38	3.45	3.51	3.56	3.61
19	1.73	2.09	2.29	2.43	2.54	2.63	2.70	2.76	2.81	2.86	3.04	3.17	3.27	3.35	3.42	3.48	3.53	3.58
20	1.72	2.09	2.29	2.42	2.53	2.61	2.68	2.74	2.80	2.85	3.03	3.15	3.25	3.33	3.40	3.46	3.51	3.55
24	1.71	2.06	2.26	2.39	2.49	2.57	2.64	2.70	2.75	2.80	2.97	3.09	3.18	3.26	3.32	3.38	3.42	3.47
30	1.70	2.04	2.23	2.36	2.46	2.54	2.60	2.66	2.71	2.75	2.92	3.03	3.12	3.19	3.25	3.30	3.35	3.39
40	1.68	2.02	2.20	2.33	2.42	2.50	2.56	2.62	2.66	2.70	2.86	2.97	3.05	3.12	3.18	3.23	3.27	3.31
60	1.67	2.00	2.18	2.30	2.39	2.46	2.52	2.58	2.62	2.66	2.81	2.91	2.99	3.06	3.11	3.16	3.20	3.23
120	1.66	1.98	2.15	2.27	2.36	2.43	2.49	2.54	2.58	2.62	2.76	2.86	2.93	3.00	3.05	3.09	3.13	3.16
∞	1.64	1.96	2.13	2.24	2.33	2.39	2.45	2.50	2.54	2.58	2.71	2.81	2.88	2.94	2.98	3.02	3.06	3.09

α = 0.10

f \ K	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35	40	45	50
2	4.30	6.21	7.65	8.86	9.92	10.89	11.77	12.59	13.36	14.09	17.28	19.96	22.33	24.46	26.43	28.26	29.97	31.60
3	3.18	4.18	4.86	5.39	5.84	6.23	6.58	6.90	7.18	7.45	8.58	9.46	10.21	10.87	11.45	11.98	12.47	12.92
4	2.78	3.50	3.96	4.31	4.60	4.85	5.07	5.26	5.44	5.60	6.25	6.76	7.17	7.53	7.84	8.12	8.38	8.61
5	2.57	3.16	3.53	3.81	4.03	4.22	4.38	4.53	4.66	4.77	5.25	5.60	5.89	6.14	6.35	6.54	6.71	6.87
6	2.45	2.97	3.29	3.52	3.71	3.86	4.00	4.12	4.22	4.32	4.70	4.98	5.21	5.40	5.56	5.71	5.84	5.96
7	2.36	2.86	3.13	3.34	3.50	3.64	3.75	3.86	3.95	4.03	4.36	4.58	4.79	4.96	5.08	5.20	5.31	5.41
8	2.31	2.75	3.02	3.21	3.36	3.48	3.58	3.68	3.76	3.83	4.12	4.33	4.50	4.64	4.76	4.86	4.96	5.04
9	2.26	2.69	2.93	3.11	3.25	3.36	3.46	3.55	3.62	3.69	3.95	4.15	4.30	4.42	4.53	4.62	4.71	4.78
10	2.23	2.63	2.87	3.04	3.17	3.28	3.37	3.45	3.52	3.58	3.83	4.00	4.14	4.26	4.36	4.44	4.52	4.59
11	2.20	2.59	2.82	2.98	3.11	3.21	3.29	3.37	3.44	3.50	3.73	3.89	4.02	4.13	4.22	4.30	4.37	4.44
12	2.18	2.56	2.78	2.93	3.05	3.15	3.24	3.31	3.37	3.43	3.65	3.81	3.93	4.03	4.12	4.19	4.26	4.32
13	2.16	2.53	2.75	2.90	3.01	3.11	3.19	3.26	3.32	3.37	3.58	3.73	3.85	3.95	4.03	4.10	4.16	4.22
14	2.14	2.51	2.72	2.86	2.98	3.07	3.15	3.21	3.27	3.33	3.53	3.67	3.79	3.88	3.96	4.03	4.09	4.14
15	2.13	2.49	2.69	2.84	2.95	3.04	3.11	3.18	3.23	3.29	3.48	3.62	3.73	3.82	3.90	3.96	4.02	4.07
16	2.12	2.47	2.67	2.81	2.92	3.01	3.08	3.15	3.20	3.25	3.44	3.58	3.69	3.77	3.85	3.91	3.96	4.01
17	2.11	2.46	2.65	2.79	2.90	2.98	3.06	3.12	3.17	3.22	3.41	3.54	3.65	3.73	3.80	3.86	3.92	3.97
18	2.10	2.45	2.64	2.77	2.88	2.96	3.03	3.09	3.15	3.20	3.38	3.51	3.61	3.69	3.76	3.82	3.87	3.92
19	2.09	2.43	2.63	2.76	2.86	2.94	3.01	3.07	3.13	3.17	3.35	3.48	3.58	3.66	3.73	3.79	3.84	3.88
20	2.09	2.42	2.61	2.74	2.85	2.93	3.00	3.06	3.11	3.15	3.33	3.46	3.55	3.63	3.70	3.75	3.80	3.85
24	2.06	2.39	2.57	2.70	2.80	2.88	2.94	3.00	3.05	3.09	3.26	3.38	3.47	3.54	3.60	3.66	3.70	3.75
30	2.04	2.36	2.54	2.66	2.75	2.82	2.89	2.94	2.99	3.03	3.19	3.30	3.39	3.45	3.51	3.56	3.61	3.65
40	2.02	2.33	2.50	2.62	2.70	2.78	2.84	2.89	2.93	2.97	3.12	3.23	3.31	3.37	3.43	3.47	3.51	3.55
60	2.00	2.30	2.46	2.58	2.66	2.73	2.79	2.83	2.88	2.91	3.06	3.16	3.23	3.29	3.34	3.39	3.43	3.46
120	1.98	2.27	2.43	2.54	2.62	2.68	2.74	2.78	2.82	2.86	3.00	3.09	3.16	3.22	3.26	3.31	3.34	3.37
∞	1.96	2.24	2.39	2.50	2.58	2.64	2.69	2.73	2.77	2.81	2.94	3.02	3.09	3.14	3.19	3.23	3.26	3.29

α = 0.05

f \ K	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35	40	45	50
2	9.92	14.09	17.28	19.96	22.33	24.46	26.43	28.26	29.97	31.60	38.71	44.70	49.98	54.76	59.15	63.23	67.07	70.70
3	5.84	7.45	8.58	9.46	10.21	10.87	11.45	11.98	12.47	12.92	14.82	16.33	17.60	18.71	19.70	20.60	21.43	22.20
4	4.60	5.60	6.25	6.76	7.17	7.53	7.84	8.12	8.38	8.61	9.57	10.31	10.92	11.44	11.90	12.31	12.69	13.03
5	4.03	4.77	5.25	5.60	5.89	6.14	6.35	6.54	6.71	6.87	7.50	7.98	8.36	8.69	8.98	9.24	9.47	9.68
6	3.71	4.32	4.70	4.98	5.21	5.40	5.56	5.71	5.84	5.96	6.43	6.79	7.07	7.31	7.52	7.71	7.87	8.02
7	3.50	4.03	4.36	4.59	4.79	4.94	5.08	5.20	5.31	5.41	5.80	6.08	6.31	6.50	6.67	6.81	6.94	7.06
8	3.36	3.83	4.12	4.33	4.50	4.64	4.76	4.86	4.96	5.04	5.37	5.62	5.81	5.97	6.11	6.23	6.34	6.44
9	3.25	3.69	3.95	4.15	4.30	4.42	4.53	4.62	4.71	4.78	5.08	5.29	5.46	5.60	5.72	5.83	5.92	6.01
10	3.17	3.58	3.83	4.00	4.14	4.26	4.36	4.44	4.52	4.59	4.85	5.05	5.20	5.33	5.44	5.53	5.62	5.69
11	3.11	3.50	3.73	3.89	4.02	4.13	4.22	4.30	4.37	4.44	4.68	4.86	5.00	5.12	5.22	5.31	5.38	5.45
12	3.05	3.43	3.65	3.81	3.93	4.03	4.12	4.19	4.26	4.32	4.55	4.72	4.85	4.96	5.05	5.13	5.20	5.26
13	3.01	3.37	3.58	3.73	3.85	3.95	4.03	4.10	4.16	4.22	4.44	4.60	4.72	4.82	4.91	4.98	5.05	5.11
14	2.98	3.33	3.53	3.67	3.79	3.88	3.96	4.03	4.09	4.14	4.35	4.50	4.62	4.71	4.79	4.87	4.93	4.99
15	2.95	3.29	3.48	3.62	3.73	3.82	3.90	3.96	4.02	4.07	4.27	4.42	4.53	4.62	4.70	4.77	4.83	4.88
16	2.92	3.25	3.44	3.58	3.69	3.77	3.85	3.91	3.96	4.01	4.21	4.35	4.45	4.54	4.62	4.68	4.74	4.79
17	2.90	3.22	3.41	3.54	3.65	3.73	3.80	3.86	3.92	3.97	4.15	4.29	4.39	4.47	4.55	4.61	4.66	4.71
18	2.88	3.20	3.38	3.51	3.61	3.69	3.76											

Tabla 17
Distribución de Tukey
(todas las comparaciones por parejas)

		$\alpha = 0.10$													
$f \backslash K$		2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	6.31	9.50	11.57	13.07	14.25	15.21	16.01	16.70	17.31	17.85	18.33	18.77	19.16	19.53
2	2	2.92	4.05	4.79	5.33	5.16	6.10	6.40	6.65	6.87	7.08	7.25	7.42	7.57	7.70
3	3	2.35	3.16	3.68	4.06	4.36	4.60	4.82	4.99	5.15	5.30	5.42	5.54	5.64	5.74
4	4	2.13	2.81	3.25	3.56	3.81	4.02	4.19	4.34	4.48	4.59	4.70	4.79	4.89	4.96
5	5	2.02	2.63	3.01	3.30	3.52	3.71	3.86	4.00	4.12	4.22	4.31	4.40	4.48	4.55
6	6	1.94	2.52	2.88	3.14	3.34	3.51	3.66	3.78	3.89	3.99	4.07	4.15	4.23	4.29
7	7	1.90	2.44	2.78	3.03	3.22	3.38	3.51	3.63	3.73	3.83	3.91	3.99	4.06	4.12
8	8	1.86	2.38	2.71	2.95	3.13	3.29	3.42	3.53	3.63	3.71	3.79	3.86	3.93	3.99
9	9	1.83	2.35	2.66	2.88	3.07	3.21	3.34	3.44	3.54	3.63	3.70	3.77	3.83	3.90
10	10	1.81	2.31	2.62	2.84	3.01	3.16	3.28	3.38	3.47	3.56	3.63	3.70	3.76	3.82
11	11	1.80	2.28	2.59	2.80	2.97	3.11	3.23	3.33	3.42	3.50	3.57	3.64	3.70	3.75
12	12	1.78	2.26	2.56	2.77	2.94	3.08	3.19	3.29	3.38	3.46	3.53	3.59	3.65	3.71
13	13	1.77	2.25	2.54	2.74	2.91	3.04	3.15	3.25	3.34	3.42	3.49	3.55	3.61	3.66
14	14	1.76	2.23	2.52	2.72	2.88	3.02	3.13	3.22	3.31	3.39	3.45	3.51	3.57	3.62
15	15	1.75	2.22	2.50	2.71	2.86	2.99	3.10	3.20	3.28	3.36	3.42	3.49	3.54	3.59
16	16	1.75	2.21	2.49	2.69	2.85	2.98	3.08	3.17	3.26	3.33	3.40	3.46	3.51	3.56
17	17	1.74	2.20	2.47	2.67	2.83	2.96	3.06	3.15	3.24	3.31	3.37	3.44	3.49	3.54
18	18	1.73	2.19	2.47	2.67	2.81	2.94	3.05	3.14	3.23	3.29	3.36	3.42	3.46	3.52
19	19	1.73	2.18	2.45	2.65	2.81	2.93	3.03	3.13	3.20	3.27	3.34	3.39	3.45	3.50
20	20	1.73	2.18	2.45	2.64	2.79	2.91	3.02	3.11	3.19	3.26	3.32	3.38	3.43	3.48
24	24	1.71	2.16	2.42	2.61	2.76	2.88	2.98	3.07	3.14	3.21	3.27	3.33	3.38	3.43
30	30	1.70	2.14	2.40	2.58	2.72	2.84	2.94	3.03	3.10	3.16	3.22	3.28	3.33	3.37
60	60	1.68	2.07	2.37	2.55	2.69	2.80	2.90	2.98	3.05	3.12	3.17	3.23	3.27	3.32
120	120	1.67	2.09	2.34	2.52	2.65	2.76	2.86	2.94	3.01	3.07	3.13	3.17	3.22	3.27
∞	∞	1.65	2.07	2.32	2.49	2.62	2.73	2.82	2.90	2.96	3.03	3.08	3.13	3.17	3.21
∞	∞	1.65	2.05	2.29	2.46	2.59	2.69	2.78	2.86	2.92	2.98	3.03	3.08	3.12	3.16

		$\alpha = 0.05$													
$f \backslash K$		2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	12.71	19.08	23.21	26.22	28.57	30.49	32.10	33.49	34.70	35.77	36.74	37.62	38.42	39.15
2	2	4.30	5.89	6.93	7.69	8.30	8.80	9.21	9.57	9.89	10.18	10.43	10.66	10.88	11.07
3	3	3.18	4.18	4.82	5.30	5.69	6.00	6.26	6.49	6.69	6.87	7.04	7.18	7.32	7.44
4	4	2.78	3.56	4.07	4.45	4.74	4.99	5.20	5.37	5.54	5.68	5.81	5.92	6.02	6.12
5	5	2.57	3.25	3.69	4.01	4.26	4.48	4.65	4.81	4.94	5.07	5.18	5.28	5.37	5.46
6	6	2.45	3.07	3.46	3.75	3.98	4.17	4.33	4.47	4.59	4.70	4.80	4.89	4.97	5.05
7	7	2.36	2.94	3.31	3.58	3.79	3.97	4.12	4.24	4.36	4.45	4.55	4.63	4.71	4.78
8	8	2.31	2.86	3.20	3.46	3.66	3.82	3.96	4.08	4.19	4.28	4.37	4.45	4.52	4.58
9	9	2.26	2.79	3.12	3.37	3.55	3.71	3.84	3.95	4.06	4.15	4.23	4.31	4.38	4.44
10	10	2.23	2.74	3.06	3.29	3.47	3.62	3.75	3.86	3.96	4.04	4.12	4.19	4.26	4.32
11	11	2.21	2.72	3.03	3.25	3.41	3.56	3.68	3.78	3.88	3.97	4.04	4.11	4.17	4.23
12	12	2.18	2.67	2.97	3.19	3.36	3.50	3.62	3.73	3.81	3.90	3.97	4.04	4.10	4.16
13	13	2.16	2.64	2.93	3.15	3.32	3.45	3.57	3.67	3.76	3.84	3.91	3.98	4.04	4.09
14	14	2.14	2.62	2.91	3.12	3.28	3.42	3.53	3.63	3.71	3.79	3.86	3.92	3.99	4.04
15	15	2.13	2.60	2.88	3.09	3.25	3.38	3.49	3.59	3.68	3.75	3.82	3.88	3.94	4.00
16	16	2.12	2.58	2.86	3.05	3.22	3.35	3.46	3.56	3.64	3.72	3.78	3.85	3.90	3.95
17	17	2.11	2.57	2.84	3.04	3.20	3.32	3.44	3.53	3.61	3.68	3.75	3.81	3.87	3.92
18	18	2.10	2.55	2.83	3.03	3.17	3.30	3.41	3.51	3.59	3.66	3.73	3.78	3.84	3.89
19	19	2.09	2.54	2.81	3.01	3.16	3.29	3.39	3.48	3.56	3.63	3.70	3.75	3.81	3.86
20	20	2.09	2.53	2.80	2.99	3.15	3.27	3.37	3.46	3.54	3.61	3.68	3.73	3.79	3.84
24	24	2.06	2.50	2.76	2.95	3.09	3.21	3.31	3.40	3.48	3.54	3.61	3.66	3.71	3.76
30	30	2.04	2.47	2.72	2.90	3.04	3.15	3.25	3.34	3.41	3.48	3.54	3.59	3.64	3.68
40	40	2.02	2.43	2.68	2.86	2.99	3.10	3.20	3.27	3.34	3.41	3.46	3.52	3.56	3.61
60	60	2.00	2.40	2.64	2.81	2.94	3.05	3.14	3.22	3.29	3.34	3.40	3.45	3.49	3.54
120	120	1.98	2.38	2.60	2.77	2.90	3.00	3.06	3.16	3.22	3.28	3.33	3.38	3.42	3.44
∞	∞	1.96	2.34	2.57	2.73	2.85	2.95	3.03	3.10	3.16	3.22	3.27	3.31	3.35	3.39

		$\alpha = 0.01$													
$f \backslash K$		2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	63.66	95.46	116.18	131.24	142.98	152.59	160.65	167.58	173.67	179.04	183.85	188.23	192.19	195.87
2	2	9.93	13.45	15.76	17.48	18.83	19.94	20.88	21.69	22.41	23.04	23.62	24.13	24.61	25.05
3	3	5.84	7.51	8.61	9.43	10.07	10.61	11.06	11.46	11.80	12.11	12.40	12.65	12.88	13.10
4	4	4.60	5.74	6.48	7.04	7.48	7.85	8.17	8.44	8.68	8.89	9.08	9.26	9.42	9.57
5	5	4.03	4.94	5.52	5.95	6.30	6.59	6.84	7.05	7.24	7.41	7.57	7.70	7.83	7.95
6	6	3.71	4.48	4.97	5.35	5.64	5.88	6.09	6.27	6.43	6.58	6.70	6.82	6.94	7.04
7	7	3.50	4.19	4.62	4.96	5.21	5.43	5.61	5.78	5.92	6.05	6.16	6.26	6.36	6.45
8	8	3.36	3.99	4.38	4.68	4.92	5.12	5.28	5.43	5.56	5.68	5.78	5.88	5.97	6.05
9	9	3.25	3.84	4.21	4.49	4.71	4.89	5.04	5.18	5.30	5.41	5.50	5.59	5.68	5.75
10	10	3.17	3.73	4.08	4.34	4.55	4.72	4.86	4.99	5.10	5.20	5.30	5.37	5.45	5.52
11	11	3.10	3.64	3.97	4.22	4.42	4.58	4.72	4.84	4.94	5.04	5.13	5.20	5.28	5.35
12	12	3.05	3.57	3.89	4.13	4.31	4.47	4.60	4.72	4.82	4.91	4.99	5.07	5.13	5.20
13	13	3.01	3.51	3.82	4.05	4.23	4.38	4.50	4.62	4.72	4.80	4.88	4.96	5.02	5.08
14	14	2.98	3.46	3.76	3.98	4.16	4.30	4.43	4.53	4.63	4.71	4.79	4.86	4.92	4.99
15	15	2.95	3.42	3.71	3.93	4.10	4.24	4.36	4.46	4.55	4.63	4.71	4.78	4.84	4.90
16	16	2.92	3.39	3.67	3.88	4.04	4.19	4.30	4.40	4.49	4.57	4.64	4.71	4.77	4.82
17	17	2.90	3.35	3.63	3.84	4.00	4.14	4.25	4.35	4.43	4.51	4.58	4.65	4.71	4.76
18	18	2.88	3.32	3.60	3.80	3.96	4.09	4.20	4.30	4.38	4.46	4.53	4.60	4.65	4.70
19	19	2.86	3.30	3.57	3.77	3.92	4.05	4.16	4.26	4.34	4.42	4.48	4.55	4.60	4.65
20	20	2.84	3.28	3.55	3.74	3.90	4.02	4.13	4.22	4.31	4.38	4.44	4.50	4.56	4.61
24	24	2.80	3.22	3.47	3.66	3.80	3.92	4.02	4.11	4.19	4.26	4.32	4.38	4.43	4.48
30	30	2.75	3.15	3.39	3.57	3.71	3.82	3.92	4.00	4.07	4.14	4.19	4.25	4.30	4.34
40	40	2.70	3.09	3.32	3.49	3.61	3.72	3.81	3.89	3.96	4.02	4.07	4.12	4.17	4.21
60	60	2.66	3.03	3.25	3.41	3.53	3.63	3.71	3.79	3.85	3.91	3.96	4.01	4.05	4.09
120	120	2.62	2.97	3.18	3.33	3.44	3.54	3.62	3.68	3.75	3.80	3.85	3.89	3.93	3.97
∞	∞	2.57	2.91	3.11	3.25	3.37	3.45	3.53	3.59	3.65	3.70	3.74	3.78	3.82	3.85

Nota: Para cada nivel de significación (cabecera de cada tabla), grados de libertad f (primera columna) y número K de grupos a comparar (primera fila), en el interior de la tabla se dan los valores $t_{\alpha}(f; K)$ de la distribución de Tukey (cantidades teóricas para el test).
Hähn, G.J. and Hendrickson (1971)

Tabla 18
Distribución de Dunnett
 (todas las comparaciones con un control)

$\alpha = 0.10$

$\frac{K}{f}$	1	2	3	4	5	6	8	10	12	15	20
3	2.35	2.91	3.23	3.45	3.62	3.76	3.96	4.12	4.24	4.39	4.58
4	2.13	2.60	2.86	3.05	3.19	3.30	3.47	3.60	3.70	3.82	3.98
5	2.02	2.43	2.67	2.83	2.96	3.06	3.21	3.32	3.42	3.52	3.66
6	1.94	2.33	2.55	2.70	2.82	2.91	3.05	3.15	3.24	3.34	3.47
7	1.90	2.26	2.47	2.61	2.72	2.81	2.94	3.04	3.12	3.22	3.34
8	1.86	2.22	2.41	2.55	2.65	2.73	2.86	2.96	3.03	3.12	3.24
9	1.83	2.18	2.37	2.50	2.60	2.68	2.80	2.89	2.97	3.06	3.17
10	1.81	2.15	2.34	2.46	2.56	2.64	2.76	2.84	2.92	3.00	3.11
11	1.80	2.13	2.31	2.43	2.53	2.60	2.72	2.81	2.88	2.95	3.06
12	1.78	2.11	2.29	2.41	2.50	2.57	2.69	2.77	2.84	2.92	3.03
15	1.75	2.07	2.24	2.36	2.44	2.51	2.62	2.70	2.77	2.85	2.95
20	1.73	2.03	2.19	2.30	2.39	2.46	2.56	2.64	2.70	2.77	2.87
25	1.71	2.00	2.17	2.27	2.36	2.42	2.52	2.60	2.66	2.73	2.82
30	1.70	1.99	2.15	2.25	2.34	2.40	2.50	2.57	2.63	2.70	2.79
40	1.68	1.97	2.12	2.23	2.31	2.37	2.47	2.54	2.60	2.67	2.75
60	1.67	1.95	2.10	2.21	2.28	2.34	2.44	2.51	2.57	2.63	2.72
∞	1.65	1.91	2.06	2.16	2.23	2.29	2.38	2.45	2.51	2.58	2.67

$\alpha = 0.05$

$\frac{K}{f}$	1	2	3	4	5	6	8	10	12	15	20
3	3.18	3.87	4.26	4.54	4.75	4.92	5.18	5.37	5.53	5.72	5.95
4	2.78	3.31	3.62	3.83	4.00	4.13	4.33	4.48	4.61	4.75	4.94
5	2.57	3.03	3.29	3.48	3.62	3.73	3.90	4.03	4.14	4.26	4.42
6	2.45	2.86	3.10	3.26	3.39	3.49	3.64	3.76	3.86	3.97	4.11
7	2.36	2.75	2.97	3.12	3.24	3.33	3.47	3.58	3.67	3.78	3.91
8	2.31	2.67	2.88	3.02	3.13	3.22	3.35	3.46	3.54	3.64	3.76
9	2.26	2.61	2.81	2.95	3.05	3.14	3.26	3.36	3.44	3.53	3.65
10	2.23	2.57	2.76	2.89	2.99	3.07	3.19	3.29	3.36	3.45	3.57
11	2.20	2.53	2.72	2.84	2.94	3.02	3.14	3.23	3.30	3.39	3.50
12	2.18	2.50	2.68	2.81	2.90	2.98	3.09	3.18	3.25	3.34	3.45
15	2.13	2.44	2.61	2.73	2.82	2.89	3.00	3.08	3.15	3.23	3.33
20	2.09	2.38	2.54	2.65	2.73	2.80	2.90	2.98	3.05	3.12	3.22
25	2.06	2.34	2.50	2.61	2.69	2.75	2.85	2.93	2.99	3.06	3.15
30	2.04	2.32	2.47	2.58	2.66	2.72	2.82	2.89	2.95	3.02	3.11
40	2.02	2.29	2.44	2.54	2.62	2.68	2.77	2.85	2.90	2.97	3.06
60	2.00	2.27	2.41	2.51	2.58	2.64	2.73	2.80	2.86	2.92	3.00
∞	1.96	2.21	2.35	2.44	2.51	2.57	2.65	2.72	2.77	2.83	2.91

$\alpha = 0.01$

$\frac{K}{f}$	1	2	3	4	5	6	8	10	12	15	20
3	5.84	6.97	7.64	8.10	8.46	8.75	9.19	9.53	9.80	10.12	10.53
4	4.60	5.36	5.81	6.12	6.36	6.55	6.86	7.08	7.27	7.49	7.77
5	4.03	4.63	4.98	5.22	5.41	5.56	5.80	5.98	6.12	6.30	6.52
6	3.71	4.21	4.51	4.71	4.87	5.00	5.20	5.35	5.47	5.62	5.81
7	3.50	3.95	4.21	4.39	4.53	4.64	4.82	4.95	5.06	5.19	5.36
8	3.36	3.77	4.00	4.17	4.29	4.40	4.56	4.68	4.78	4.90	5.05
9	3.25	3.63	3.85	4.01	4.12	4.22	4.37	4.48	4.57	4.68	4.82
10	3.17	3.53	3.74	3.88	3.99	4.08	4.22	4.33	4.42	4.52	4.65
11	3.11	3.45	3.65	3.79	3.89	3.98	4.11	4.21	4.29	4.39	4.52
12	3.05	3.39	3.58	3.71	3.81	3.89	4.02	4.12	4.19	4.29	4.41
15	2.95	3.25	3.43	3.55	3.64	3.71	3.83	3.92	3.99	4.07	4.18
20	2.85	3.13	3.29	3.40	3.48	3.55	3.65	3.73	3.80	3.87	3.97
25	2.79	3.06	3.21	3.31	3.39	3.45	3.55	3.63	3.69	3.76	3.85
30	2.75	3.01	3.15	3.25	3.33	3.39	3.49	3.56	3.62	3.69	3.78
40	2.70	2.95	3.09	3.19	3.26	3.32	3.41	3.48	3.53	3.60	3.68
60	2.66	2.90	3.03	3.12	3.19	3.25	3.33	3.40	3.45	3.51	3.59
∞	2.58	2.79	2.92	3.00	3.06	3.11	3.19	3.25	3.29	3.35	3.42

Nota: Para cada nivel de significación α (cabecera de cada tabla), grados de libertad f (primera columna) y número K de grupos a comparar con el grupo Control (primera fila), en el interior de la tabla se dan los valores $t_{\alpha}(f; K)$ de la distribución de Dunnett (cantidades teóricas para el test).

Dunnett, C.W. (1964)