

VI. TABLAS ESTADISTICAS

TABLA 1
DISTRIBUCION NORMAL

$$N_z(t) = \int_{-\infty}^t \frac{1}{\sigma \sqrt{2\pi}} e^{-x^2/2\sigma^2} dx$$

t	0	1	2	3	4	5	6	7	8	9
-3.	.0013									
-2.9	.0019	.0018	.0017	.0017	.0016	.0016	.0015	.0015	.0014	.0014
-2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020	.0019
-2.7	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
-2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037	.0036
-2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048
-2.4	.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066	.0064
-2.3	.0107	.0104	.0103	.0099	.0096	.0094	.0091	.0089	.0087	.0084
-2.2	.0139	.0136	.0132	.0129	.0125	.0122	.0119	.0116	.0113	.0110
-2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143
-2.0	.0227	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183
-1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239	.0233
-1.8	.0359	.0351	.0344	.0336	.0329	.0322	.0314	.0307	.0300	.0294
-1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.0375	.0367
-1.6	.0548	.0537	.0526	.0516	.0505	.0495	.0485	.0475	.0465	.0455
-1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559
-1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	.0681
-1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823
-1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985
-1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170
-1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379
-.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
-.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1921	.1894	.1867
-.7	.2420	.2389	.2358	.2326	.2297	.2266	.2236	.2206	.2177	.2148
-.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
-.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
-.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
-.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
-.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
-.1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
-.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641

Continuación.

i	0	1	2	3	4	5	6	7	8	9
.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8079	.8106	.8133
.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9700	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9773	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
	.9987									

TABLA 2
DISTRIBUCION t DE STUDENT

gl	Nivel de significación para prueba de una cola					
	.10	.05	.025	.01	.005	.0005
	Nivel de significación para prueba de dos colas					
	.20	.10	.05	.02	.01	.001
1	3.078	6.314	12.706	31.821	63.657	636.619
2	1.886	2.920	4.303	6.965	9.925	31.598
3	1.638	2.353	3.182	4.541	5.841	12.941
4	1.533	2.132	2.776	3.747	4.604	8.610
5	1.476	2.015	2.571	3.365	4.032	6.859
6	1.440	1.943	2.447	3.143	3.707	5.959
7	1.415	1.895	2.365	2.998	3.499	5.405
8	1.397	1.860	2.306	2.896	3.355	5.041
9	1.383	1.833	2.262	2.821	3.250	4.781
10	1.372	1.812	2.228	2.764	3.169	4.587
11	1.363	1.796	2.201	2.718	3.106	4.437
12	1.356	1.782	2.179	2.681	3.055	4.318
13	1.350	1.771	2.160	2.650	3.012	4.221
14	1.345	1.761	2.145	2.624	2.977	4.140
15	1.341	1.753	2.131	2.602	2.947	4.073
16	1.337	1.746	2.120	2.583	2.921	4.015
17	1.333	1.740	2.110	2.567	2.898	3.965
18	1.330	1.734	2.101	2.552	2.878	3.922
19	1.328	1.729	2.093	2.539	2.861	3.883
20	1.325	1.725	2.086	2.528	2.845	3.850
21	1.323	1.721	2.080	2.518	2.831	3.819
22	1.321	1.717	2.074	2.508	2.819	3.792
23	1.319	1.714	2.069	2.500	2.807	3.767
24	1.318	1.711	2.064	2.492	2.797	3.745
25	1.316	1.708	2.060	2.485	2.787	3.725
26	1.315	1.706	2.056	2.479	2.779	3.707
27	1.314	1.703	2.052	2.473	2.771	3.690
28	1.313	1.701	2.048	2.467	2.763	3.674
29	1.311	1.699	2.045	2.462	2.756	3.659
30	1.310	1.697	2.042	2.457	2.750	3.646
40	1.303	1.684	2.021	2.423	2.704	3.551
60	1.296	1.671	2.000	2.390	2.660	3.460
120	1.289	1.658	1.980	2.358	2.617	3.373
∞	1.282	1.645	1.960	2.326	2.576	3.291

* La tabla B es la tabla III de Fisher y Yates abreviada: *Tablas Estadísticas para biología, agricultura e investigación médica*, publicadas por Oliver y Boyd Ltd., Edinburgo, con permiso de los autores y editores.

TABLA 3

FUNCION DE DISTRIBUCION BINOMIAL

FUNCION DE DISTRIBUCION

$$F_X(t) = \sum_{x=0}^{(t)} \binom{n}{x} p^x (1-p)^{n-x}$$

n	[t]	P				
		0.10	0.20	0.30	0.40	0.50
2	0	.8100	.6400	.4900	.3600	.2500
	1	.9900	.9600	.9100	.8400	.7500
3	0	.7290	.5120	.3430	.2160	.1250
	1	.9720	.8960	.7840	.6480	.5000
	2	.9990	.9920	.9730	.9360	.8750
4	0	.6561	.4096	.2401	.1296	.0625
	1	.9477	.8192	.6517	.4752	.3125
	2	.9963	.9728	.9163	.8208	.6875
	3	.9999	.9984	.9919	.9744	.9375
5	0	.5905	.3277	.1681	.0778	.0312
	1	.9185	.7373	.5282	.3370	.1875
	2	.9914	.9421	.8369	.6826	.5000
	3	.9995	.9933	.9692	.9130	.8125
	4	1.0000	.9997	.9976	.9898	.9688
6	0	.5314	.2621	.1176	.0467	.0156
	1	.8857	.6554	.4202	.2333	.1094

(sigue)

Continuación.

n	[r]	p				
		0.10	0.20	0.30	0.40	0.50
6	2	.9842	.9011	.7443	.5443	.3138
	3	.9987	.9830	.9295	.8208	.6562
	4	.9999	.9984	.9891	.9590	.8906
	5	1.0000	.9999	.9993	.9959	.9844
	6	1.0000	1.0000	1.0000	1.0000	1.0000
7	0	.4783	.2097	.0824	.0280	.0078
	1	.8503	.5767	.3294	.1586	.0625
	2	.9743	.8520	.6471	.4199	.2266
	3	.9973	.9667	.8740	.7102	.5000
	4	.9998	.9953	.9712	.9037	.7734
	5	1.0000	.9996	.9962	.9812	.9375
	6	1.0000	1.0000	.9998	.9984	.9922
8	0	.4305	.1678	.0576	.0168	.0039
	1	.8131	.5033	.2553	.1064	.0352
	2	.9619	.7969	.5518	.3154	.1445
	3	.9950	.9437	.8059	.5941	.3633
	4	.9996	.9896	.9420	.8263	.6367
	5	1.0000	.9988	.9887	.9502	.8555
	6	1.0000	.9999	.9987	.9915	.9648
	7	1.0000	1.0000	.9999	.9993	.9961
9	0	.3874	.1342	.0404	.0101	.0020
	1	.7748	.4362	.1960	.0705	.0195
	2	.9470	.7382	.4628	.2318	.0898
	3	.9917	.9144	.7297	.4826	.2539
	4	.9991	.9804	.9012	.7334	.5000
	5	.9999	.9969	.9747	.9006	.7461
	6	1.0000	.9997	.9957	.9750	.9102
	7	1.0000	1.0000	.9996	.9962	.9805
	8	1.0000	1.0000	1.0000	.9997	.9980
10	0	.3487	.1074	.0282	.0060	.0010
	1	.7361	.3758	.1493	.0464	.0107
	2	.9298	.6778	.3828	.1673	.0547
	3	.9872	.8791	.6496	.3823	.1719
	4	.9984	.9672	.8497	.6331	.3770

Continuación.

<i>n</i>	<i>t</i>	0.10	0.20	<i>F</i> 0.30	0.40	0.50
10	5	.9999	.9936	.9873	.9838	.6230
	6	1.0000	.9991	.9894	.9852	.8281
	7	1.0000	.9999	.9984	.9877	.9453
	8	1.0000	1.0000	.9999	.9983	.9893
	9	1.0000	1.0000	1.0000	.9999	.9990
11	0	.3138	.0859	.0198	.0036	.0005
	1	.6974	.3221	.1130	.0302	.0059
	2	.9104	.6174	.3127	.1189	.0327
	3	.9815	.8389	.5696	.2963	.1133
	4	.9972	.9496	.7897	.5328	.2744
	5	.9997	.9883	.9218	.7535	.5000
	6	1.0000	.9980	.9784	.9006	.7256
	7	1.0000	.9998	.9957	.9707	.8867
	8	1.0000	1.0000	.9994	.9941	.9673
	9	1.0000	1.0000	1.0000	.9993	.9941
10	1.0000	1.0000	1.0000	1.0000	.9995	
12	0	.2824	.0687	.0138	.0022	.0002
	1	.6590	.2749	.0850	.0196	.0032
	2	.8891	.5583	.2528	.0834	.0193
	3	.9744	.7946	.4925	.2253	.0730
	4	.9957	.9274	.7237	.4482	.1948
	5	.9995	.9806	.8822	.6652	.3872
	6	.9999	.9961	.9614	.8418	.6128
	7	1.0000	.9994	.9905	.9427	.8062
	8	1.0000	.9999	.9983	.9847	.9270
	9	1.0000	1.0000	.9998	.9972	.9807
	10	1.0000	1.0000	1.0000	.9997	.9968
11	1.0000	1.0000	1.0000	1.0000	.9998	
13	0	.2542	.0550	.0097	.0013	.0001
	1	.6213	.2336	.0637	.0126	.0017
	2	.8661	.5017	.2025	.0579	.0112
	3	.9658	.7473	.4206	.1636	.0461
	4	.9935	.9009	.6543	.3530	.1334
	5	.9991	.9700	.8340	.5744	.2905
	6	.9999	.9930	.9376	.7712	.5000
7	1.0000	.9988	.9818	.9023	.7095	

(sigue)

Continuación.

n	$[r]$	0.10	0.20	P 0.30	0.40	0.50
13	8	1.0000	.9998	.9960	.9679	.8666
	9	1.0000	1.0000	.9993	.9922	.9539
	10	1.0000	1.0000	.9999	.9987	.9888
	11	1.0000	1.0000	1.0000	.9999	.9983
	12	1.0000	1.0000	1.0000	1.0000	.9999
	14	0	.2288	.0440	.0068	.0008
1		.5846	.1979	.0475	.0081	.0009
2		.8416	.4481	.1608	.0398	.0065
3		.9559	.6982	.3552	.1243	.0287
4		.9908	.8702	.5842	.2793	.0898
5		.9985	.9561	.7805	.4859	.2120
6		.9998	.9884	.9067	.6925	.3953
7		1.0000	.9976	.9685	.8499	.6047
8		1.0000	.9996	.9917	.9417	.7880
9		1.0000	1.0000	.9983	.9825	.9102
10		1.0000	1.0000	.9998	.9961	.9713
11		1.0000	1.0000	1.0000	.9994	.9935
12		1.0000	1.0000	1.0000	.9999	.9991
13		1.0000	1.0000	1.0000	1.0000	.9999
15	0	.2059	.0352	.0047	.0005	.0000
	1	.5490	.1671	.0353	.0052	.0005
	2	.8159	.3980	.1268	.0271	.0037
	3	.9444	.6482	.2969	.0905	.0176
	4	.9873	.8358	.5155	.2173	.0592
	5	.9978	.9389	.7216	.4032	.1509
	6	.9997	.9819	.8689	.6098	.3036
	7	1.0000	.9958	.9500	.7869	.5000
	8	1.0000	.9992	.9848	.9050	.6964
	9	1.0000	.9999	.9963	.9662	.8491
	10	1.0000	1.0000	.9993	.9907	.9408
	11	1.0000	1.0000	.9999	.9981	.9824
	12	1.0000	1.0000	1.0000	.9997	.9963
	13	1.0000	1.0000	1.0000	1.0000	.9995
14	1.0000	1.0000	1.0000	1.0000	1.0000	

Continuación.

n	[v]	P				
		0.10	0.20	0.30	0.40	0.50
16	0	.1853	.0281	.0033	.0003	.0000
	1	.5147	.1407	.0261	.0033	.0003
	2	.7892	.3518	.0994	.0183	.0021
	3	.9316	.5981	.2459	.0651	.0106
	4	.9830	.7982	.4499	.1666	.0384
	5	.9967	.9183	.6598	.3288	.1051
	6	.9995	.9733	.8247	.5272	.2272
	7	.9999	.9930	.9256	.7161	.4018
	8	1.0000	.9985	.9743	.8577	.5982
	9	1.0000	.9998	.9929	.9417	.7728
	10	1.0000	1.0000	.9984	.9809	.8949
	11	1.0000	1.0000	.9997	.9951	.9616
	12	1.0000	1.0000	1.0000	.9991	.9894
	13	1.0000	1.0000	1.0000	.9999	.9979
	14	1.0000	1.0000	1.0000	1.0000	.9997
	15	1.0000	1.0000	1.0000	1.0000	1.0000
17	0	.1668	.0225	.0023	.0002	.0000
	1	.4818	.1182	.0193	.0021	.0001
	2	.7618	.3095	.0774	.0123	.0012
	3	.9174	.5489	.2019	.0464	.0064
	4	.9779	.7582	.3887	.1260	.0245
	5	.9953	.8943	.5968	.2639	.0717
	6	.9992	.9623	.7752	.4478	.1662
	7	.9999	.9891	.8954	.6405	.3145
	8	1.0000	.9974	.9597	.8011	.5000
	9	1.0000	.9995	.9873	.9081	.6855
	10	1.0000	.9999	.9968	.9652	.8338
	11	1.0000	1.0000	.9993	.9894	.9283
	12	1.0000	1.0000	.9999	.9975	.9755
	13	1.0000	1.0000	1.0000	.9995	.9936
	14	1.0000	1.0000	1.0000	.9999	.9988
	15	1.0000	1.0000	1.0000	1.0000	.9999
	16	1.0000	1.0000	1.0000	1.0000	1.0000

(sigue)

Continuación.

n	[t]	p				
		0.10	0.20	0.30	0.40	0.50
18	0	.1501	.0180	.0016	.0001	.0000
	1	.4503	.0991	.0142	.0013	.0001
	2	.7338	.2713	.0600	.0082	.0007
	3	.9018	.5010	.1646	.0328	.0038
	4	.9718	.7164	.3327	.0912	.0154
	5	.9936	.8671	.5344	.2088	.0481
	6	.9988	.9487	.7217	.3743	.1189
	7	.9998	.9837	.8593	.5634	.2403
	8	1.0000	.9957	.9404	.7368	.4073
	9	1.0000	.9991	.9790	.8653	.5927
	10	1.0000	.9998	.9939	.9424	.7597
	11	1.0000	1.0000	.9986	.9797	.8811
	12	1.0000	1.0000	.9997	.9942	.9519
	13	1.0000	1.0000	1.0000	.9987	.9846
	14	1.0000	1.0000	1.0000	.9998	.9962
	15	1.0000	1.0000	1.0000	1.0000	.9993
	16	1.0000	1.0000	1.0000	1.0000	.9999
17	1.0000	1.0000	1.0000	1.0000	1.0000	
19	0	.1351	.0144	.0011	.0001	.0000
	1	.4203	.0829	.0104	.0008	.0000
	2	.7054	.2369	.0462	.0055	.0004
	3	.8850	.4551	.1332	.0230	.0022
	4	.9648	.6733	.2822	.0696	.0096
	5	.9914	.8369	.4739	.1629	.0318
	6	.9983	.9324	.6655	.3081	.0835
	7	.9997	.9767	.8180	.4878	.1796
	8	1.0000	.9933	.9161	.6675	.3238
	9	1.0000	.9984	.9674	.8139	.5000
	10	1.0000	.9997	.9895	.9115	.6762
	11	1.0000	1.0000	.9972	.9648	.8204
	12	1.0000	1.0000	.9994	.9884	.9165
	13	1.0000	1.0000	.9999	.9969	.9682
	14	1.0000	1.0000	1.0000	.9994	.9904
	15	1.0000	1.0000	1.0000	.9999	.9978
	16	1.0000	1.0000	1.0000	1.0000	.9996
17	1.0000	1.0000	1.0000	1.0000	1.0000	

Continuación.

n	$[t]$	p				
		0.10	0.20	0.30	0.40	0.50
20	0	.1216	.0115	.0008	.0000	.0000
	1	.3917	.0692	.0076	.0005	.0000
	2	.6769	.2061	.0355	.0036	.0002
	3	.8670	.4114	.1071	.0160	.0013
	4	.9568	.6296	.2375	.0510	.0059
	5	.9887	.8042	.4164	.1256	.0207
	6	.9976	.9133	.6080	.2500	.0577
	7	.9996	.9679	.7723	.4159	.1316
	8	.9999	.9900	.8867	.5956	.2517
	9	1.0000	.9974	.9520	.7553	.4119
	10	1.0000	.9994	.9829	.8725	.5881
	11	1.0000	.9999	.9949	.9435	.7483
	12	1.0000	1.0000	.9987	.9790	.8684
	13	1.0000	1.0000	.9997	.9935	.9423
	14	1.0000	1.0000	1.0000	.9984	.9793
	15	1.0000	1.0000	1.0000	.9997	.9941
	16	1.0000	1.0000	1.0000	1.0000	.9987
	17	1.0000	1.0000	1.0000	1.0000	.9998
	18	1.0000	1.0000	1.0000	1.0000	1.0000

TABLA 4

DISTRIBUCION χ^2

Probabilidad conforme a H_0 de que $\chi^2 \geq$ chi cuadrada														
gl	.99	.98	.95	.90	.80	.70	.50	.30	.20	.10	.05	.02	.01	.001
1	.00016	.00063	.0039	.016	.064	.15	.46	1.07	1.64	2.71	3.84	5.41	6.64	10.83
2	.02	.04	.10	.21	.45	.71	1.39	2.41	3.22	4.60	5.99	7.82	9.21	13.82
3	.12	.18	.35	.58	1.00	1.42	2.37	3.66	4.64	6.25	7.82	9.84	11.34	16.27
4	.30	.43	.71	1.06	1.65	2.20	3.36	4.88	5.99	7.78	9.49	11.67	13.28	18.46
5	.55	.75	1.14	1.61	2.34	3.00	4.35	6.06	7.29	9.24	11.07	13.39	15.09	20.52
6	.87	1.13	1.64	2.20	3.07	3.83	5.23	7.23	8.56	10.64	12.59	15.03	16.81	22.46
7	1.24	1.56	2.17	2.83	3.82	4.67	6.35	8.38	9.80	12.02	14.07	16.62	18.48	24.32
8	1.65	2.03	2.73	3.49	4.59	5.53	7.34	9.52	11.03	13.36	15.51	18.17	20.09	26.12
9	2.09	2.53	3.32	4.17	5.38	6.39	8.34	10.66	12.24	14.68	16.92	19.68	21.67	27.88
10	2.56	3.06	3.94	4.86	6.18	7.27	9.34	11.78	13.44	15.99	18.31	21.16	23.21	29.59
11	3.05	3.61	4.58	5.58	6.99	8.15	10.34	12.90	14.63	17.28	19.68	22.62	24.72	31.26
12	3.57	4.18	5.23	6.30	7.81	9.03	11.34	14.01	15.81	18.55	21.03	24.05	26.22	32.91
13	4.11	4.76	5.89	7.04	8.63	9.93	12.34	15.12	16.98	19.81	22.36	25.47	27.69	34.53
14	4.66	5.37	6.57	7.79	9.47	10.82	13.34	16.22	18.15	21.06	23.68	26.87	29.14	36.12
15	5.23	5.98	7.26	8.55	10.31	11.72	14.34	17.32	19.31	22.31	25.00	28.26	30.58	37.70
16	5.81	6.61	7.96	9.31	11.15	12.62	15.34	18.42	20.43	23.54	26.30	29.63	32.00	39.29
17	6.41	7.26	8.67	10.08	12.00	13.53	16.34	19.51	21.62	24.77	27.59	31.00	33.41	40.75
18	7.02	7.91	9.39	10.86	12.86	14.44	17.34	20.60	22.76	25.99	28.87	32.35	34.80	42.31
19	7.63	8.57	10.12	11.65	13.72	15.35	18.34	21.69	23.90	27.20	30.14	33.69	36.19	43.82
20	8.26	9.24	10.85	12.44	14.58	16.27	19.34	22.78	25.04	28.41	31.41	35.02	37.57	45.33
21	8.90	9.92	11.59	13.24	15.44	17.18	20.34	23.86	26.17	29.62	32.67	36.34	38.93	46.80
22	9.54	10.60	12.34	14.04	16.31	18.10	21.24	24.94	27.30	30.81	33.92	37.66	40.29	48.27
23	10.20	11.29	13.09	14.85	17.19	19.02	22.34	26.02	28.43	32.01	35.17	38.97	41.64	49.73
24	10.86	11.99	13.85	15.66	18.06	19.94	23.34	27.10	29.53	33.20	36.42	40.27	42.98	51.18
25	11.52	12.70	14.61	16.47	18.94	20.87	24.34	28.17	30.68	34.38	37.65	41.87	44.31	52.62
26	12.20	13.41	15.38	17.29	19.82	21.79	25.34	29.25	31.80	35.56	38.88	42.86	45.64	54.05
27	12.88	14.12	16.15	18.11	20.70	22.72	26.34	30.32	32.91	36.74	40.11	44.14	46.96	55.43
28	13.56	14.85	16.93	18.94	21.59	23.65	27.34	31.39	34.03	37.92	41.34	45.42	48.28	56.89
29	14.26	15.57	17.71	19.77	22.48	24.58	28.34	32.46	35.14	39.09	42.56	46.69	49.59	58.30
30	14.95	16.31	18.49	20.60	23.36	25.51	29.34	33.53	36.25	40.26	43.77	47.96	50.89	59.70

* La tabla C es la tabla IV de Fisher y Yates abreviada: *Tablas estadísticas para biología, agricultura e investigación médica*, publicadas por Oliver y Boyd Ltd., Edinburgo, con permiso de los autores y editores.

TABLA 5

VALORES DE T PARA LA PRUEBA DE RACHAS

Se dan en los cuerpos de las tablas F_I y F_{II} diferentes valores críticos de r para distintos valores de n_1 y n_2 . Para la prueba de las rachas de una muestra, cualquier valor de r es igual a o menor que el que aparece en la tabla F_I , o igual o mayor que el que aparece en la tabla F_{II} , es significativo en el nivel 0.05. Para la prueba de las rachas de dos muestras de Wald-Wolfowitz, cualquier valor de r igual o menor que el que aparece en la tabla F_I es significativo en el nivel 0.05.

TABLA F_I $T(1-\alpha/2)$

$n_1 \backslash n_2$	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2											2	2	2	2	2	2	2	2	2
3					2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
4				2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4
5			2	2	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5
6		2	2	3	3	3	3	4	4	4	4	5	5	5	5	5	5	6	6
7		2	2	3	3	3	4	4	5	5	5	5	6	6	6	6	6	6	6
8		2	3	3	3	4	4	5	5	5	6	6	6	6	7	7	7	7	7
9		2	3	3	4	4	5	5	5	6	6	6	7	7	7	7	8	8	8
10		2	3	3	4	5	5	5	6	6	7	7	7	7	8	8	8	8	8
11		2	3	4	4	5	5	6	6	7	7	7	8	8	8	9	9	9	9
12	2	2	3	4	4	5	6	6	7	7	7	8	8	8	9	9	9	10	10
13	2	2	3	4	5	5	6	6	7	7	8	8	9	9	9	10	10	10	10
14	2	2	3	4	5	5	6	7	7	8	8	9	9	9	10	10	10	11	11
15	2	3	3	4	5	6	6	7	7	8	8	9	9	10	10	10	11	11	11
16	2	3	4	4	5	6	6	7	8	8	9	9	10	10	11	11	11	12	12
17	2	3	4	4	5	6	7	7	8	9	9	10	10	11	11	11	12	12	13
18	2	3	4	5	5	6	7	8	8	9	9	10	10	11	11	12	12	13	13
19	2	3	4	5	6	6	7	8	8	9	10	10	11	11	12	12	13	13	13
20	2	3	4	5	6	6	7	8	9	9	10	10	11	12	12	13	13	13	14

* Tomada de Swed, Frieda S., y Eisenhart, C. 1943. Tablas para probar la aleatoriedad de agrupación en una secuencia de alternativas. *Ann. Math. Statist.*, 14, 83-86, con el amable permiso de autores y editores.

Colección de Estadística

VALORES DE T PARA LA PRUEBA DE RACHAS.

(Continuación)

TABLA F_T

n_1	n_2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2																				
3																				
4					9	9														
5				9	10	10	11	11												
6				9	10	11	12	12	13	13	13	13								
7					11	12	13	13	14	14	14	14	15	15	15					
8						11	12	13	14	14	15	15	16	16	16	17	17	17	17	17
9							13	14	14	15	16	16	16	17	17	18	18	18	18	18
10								13	14	15	16	16	17	17	18	18	19	19	20	20
11									13	14	15	16	17	17	18	19	19	20	20	21
12										13	14	16	16	17	18	19	19	20	21	21
13											15	16	17	18	19	19	20	21	22	23
14												15	16	17	18	19	20	21	22	23
15													15	16	18	18	19	20	21	22
16														17	18	19	20	21	22	23
17															17	18	19	20	21	22
18																17	18	19	20	21
19																	17	18	20	21
20																		17	18	20

* Adaptada de Swed, Frieda S., y Eisenhart, C. 1943. Tablas para probar la aleatoriedad de agrupación en una secuencia de alternativas. *Ann. Math. Statist.*, 14, 83-86, con el amable permiso de los autores y editores.

TABLA 6

VALORES DE D PARA LA PRUEBA DE KOLMOGOROV

Tamaño de muestra (N)	Nivel de significación para $D = \text{máximo } F_n(X) - S_n(X) $				
	.20	.15	.10	.05	.01
1	.900	.925	.950	.975	.995
2	.684	.726	.776	.842	.929
3	.565	.597	.642	.708	.828
4	.494	.525	.564	.624	.733
5	.446	.474	.510	.565	.669
6	.410	.436	.470	.521	.618
7	.381	.405	.438	.486	.577
8	.358	.381	.411	.457	.543
9	.339	.360	.388	.432	.514
10	.322	.342	.368	.410	.490
11	.307	.326	.352	.391	.468
12	.295	.313	.338	.375	.450
13	.284	.302	.325	.361	.433
14	.274	.292	.314	.349	.418
15	.266	.283	.304	.338	.404
16	.258	.274	.295	.328	.392
17	.250	.266	.286	.318	.381
18	.244	.259	.278	.309	.371
19	.237	.252	.272	.301	.363
20	.231	.246	.264	.294	.356
25	.21	.22	.24	.27	.32
30	.19	.20	.22	.24	.29
35	.18	.19	.21	.23	.27
Más de 35	$\frac{1.07}{\sqrt{N}}$	$\frac{1.14}{\sqrt{N}}$	$\frac{1.22}{\sqrt{N}}$	$\frac{1.36}{\sqrt{N}}$	$\frac{1.63}{\sqrt{N}}$

* Tomada de Massey, F. J., Jr. 1951. La prueba de Kolmogorov-Smirnov para la bondad del ajuste. *J. Amer. Statist. Ass.*, 46, 70, con el amable permiso de los autores y editores.

TABLA 7

VALORES DE T PARA LA PRUEBA DE RANGOS DE WILCOXON

	T _{.995}	T _{.99}	T _{.975}	T _{.95}	T _{.90}	T _{.80}	T _{.70}	T _{.60}	T _{.50}	$\frac{n(n+1)}{2}$
n=4	0	0	0	0	1	3	3	4	5	10
5	0	0	0	1	3	4	5	6	7.5	15
6	0	0	.1	3	4	6	8	9	10.5	21
7	0	1	3	4	6	9	11	12	14	28
8	1	2	4	6	9	12	14	16	18	36
9	2	4	6	9	11	15	18	20	22.5	45
10	4	6	9	11	15	19	22	25	27.5	55
11	6	8	11	14	18	23	27	30	33	66
12	8	10	14	18	22	28	32	36	39	78
13	10	13	18	22	27	33	38	42	45.5	91
14	13	16	22	26	32	39	44	48	52.5	105
15	16	20	26	31	37	45	51	55	60	120
16	20	24	30	36	43	51	58	63	68	136
17	24	28	35	42	49	58	65	71	76.5	153
18	28	33	41	48	56	66	73	80	85.5	171
19	33	39	47	54	63	74	82	89	95	190
20	38	44	53	61	70	82	91	98	105	210

La tabla da valores críticos en la cola izquierda de la distribución del estadístico bajo H_0 . Así por ejemplo, para $n=5$; $P_{H_0}(T < 3) = .10$. Es decir que con $n=5$, si se desea un $\alpha=.10$ y la cola de rechazo es la izquierda, la regla de decisión es: rechazo H_0 si $T < 3$. para obtener valores críticos en la cola derecha use la relación:

$$T_{\alpha(n)} = \frac{n(n+1)}{2} - T_{(1-\alpha),n}$$