Tabla D.2: DISTRIBUCIÓN BINOMIAL: F(x)

1	p	0,01	0,05	0,10	0,20	0,25	0,30	0,40	0,50	0,60	0,70	0,75	0,80	0,90	0,95	0,99	
n	x																x
1	0	0,9900	0,9500	0,9000	0,8000	0,7500	0,7000	0,6000	0,5000	0,4000	0,3000	0,2500	0,2000	0,1000	0,0500	0,0100	0
	1	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1
2	0	0,9801	0,9025	0,8100	0,6400	0,5625	0,4900	0,3600	0,2500	0,1600	0,0900	0,0625	0,0400	0,0100	0,0025	0,0001	0
	1	0,9999	0,9975	0,9900	0,9600	0,9375	0,9100	0,8400	0,7500	0,6400	0,5100	0,4375	0,3600	0,1900	0,0975	0,0199	1
	2	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	2
3	0	0,9703	0,8574	0,7290	0,5120	0,4219	0,3430	0,2160	0,1250	0,0640	0,0270	0,0156	0,0080	0,0010	0,0001	0,0000	0
	1	0,9997	0,9928	0,9720	0,8960	0,8438	0,7840	0,6480	0,5000	0,3520	0,2160	0,1563	0,1040	0,0280	0,0073	0,0003	1
	2	1,0000	0,9999	0,9990	0,9920	0,9844	0,9730	0,9360	0,8750	0,7840	0,6570	0,5781	0,4880	0,2710	0,1426	0,0297	2
	3		1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	3
4	0	0,9606	0,8145	0,6561	0,4096	0,3164	0,2401	0,1296	0,0625	0,0256	0,0081	0,0039	0,0016	0,0001	0,0000	0,0000	0
	1	0,9994	0,9860	0,9477	0,8192	0,7383	0,6517	0,4752	0,3125	0,1792	0,0837	0,0508	0,0272	0,0037	0,0005	0,0000	1
	2	1,0000	0,9995	0,9963	0,9728	0,9492	0,9163	0,8208	0,6875	0,5248	0,3483	0,2617	0,1808	0,0523	0,0140	0,0006	2
	3		1,0000	0,9999	0,9984	0,9961	0,9919	0,9744	0,9375	0,8704	0,7599	0,6836	0,5904	0,3439	0,1855	0,0394	3
	4			1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	4
5	0	0,9510	0,7738	0,5905	0,3277	0,2373	0,1681	0,0778	0,0313	0,0102	0,0024	0,0010	0,0003	0,0000	0,0000	0,0000	0
	1	0,9990	0,9774	0,9185	0,7373	0,6328	0,5282	0,3370	0,1875	0,0870	0,0308	0,0156	0,0067	0,0005	0,0000	0,0000	1
	2	1,0000	0,9988	0,9914	0,9421	0,8965	0,8369	0,6826	0,5000	0,3174	0,1631	0,1035	0,0579	0,0086	0,0012	0,0000	2
	3		1,0000	0,9995	0,9933	0,9844	0,9692	0,9130	0,8125	0,6630	0,4718	0,3672	0,2627	0,0815	0,0226	0,0010	3
	4			1,0000	0,9997	0,9990	0,9976	0,9898	0,9688	0,9222	0,8319	0,7627	0,6723	0,4095	0,2262	0,0490	4
	5				1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	5
6	0	0,9415	0,7351	0,5314	0,2621	0,1780	0,1176	0,0467	0,0156	0,0041	0,0007	0,0002	0,0001	0,0000	0,0000	0,0000	0
	1	0,9985	0,9672	0,8857	0,6554	0,5339	0,4202	0,2333	0,1094	0,0410	0,0109	0,0046	0,0016	0,0001	0,0000	0,0000	1
	2	1,0000	0,9978	0,9842	0,9011	0,8306	0,7443	0,5443	0,3438	0,1792	0,0705	0,0376	0,0170	0,0013	0,0001	0,0000	2
	3		0,9999	0,9987	0,9830	0,9624	0,9295	0,8208	0,6563	0,4557	0,2557	0,1694	0,0989	0,0159	0,0022	0,0000	3
	4		1,0000	0,9999	0,9984	0,9954	0,9891	0,9590	0,8906	0,7667	0,5798	0,4661	0,3446	0,1143	0,0328	0,0015	4
	5			1,0000	0,9999	0,9998	0,9993	0,9959	0,9844	0,9533	0,8824	0,8220	0,7379	0,4686	0,2649	0,0585	5
	6				1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	6
7	0	0,9321	0,6983	0,4783	0,2097	0,1335	0,0824	0,0280	0,0078	0,0016	0,0002	0,0001	0,0000	0,0000	0,0000	0,0000	0
	1	0,9980	0,9556	0,8503	0,5767	0,4449	0,3294	0,1586	0,0625	0,0188	0,0038	0,0013	0,0004	0,0000	0,0000	0,0000	1
	2	1,0000	0,9962	0,9743	0,8520	0,7564	0,6471	0,4199	0,2266	0,0963	0,0288	0,0129	0,0047	0,0002	0,0000	0,0000	2
	3		0,9998	0,9973	0,9667	0,9294	0,8740	0,7102	0,5000	0,2898	0,1260	0,0706	0,0333	0,0027	0,0002	0,0000	3
	4		1,0000	0,9998	0,9953	0,9871	0,9712	0,9037	0,7734	0,5801	0,3529	0,2436	0,1480	0,0257	0,0038	0,0000	4
	5			1,0000	0,9996	0,9987	0,9962	0,9812	0,9375	0,8414	0,6706	0,5551	0,4233	0,1497	0,0444	0,0020	5
	6				1,0000	0,9999	0,9998	0,9984	0,9922	0,9720	0,9176	0,8665	0,7903	0,5217	0,3017	0,0679	6
	7					1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	7
8	0	0,9227	0,6634	0,4305	0,1678	0,1001	0,0576	0,0168	0,0039	0,0007	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9973	0,9428	0,8131	0,5033	0,3671	0,2553	0,1064	0,0352	0,0085	0,0013	0,0004	0,0001	0,0000	0,0000	0,0000	1
	2	0,9999	0,9942	0,9619	0,7969	0,6785	0,5518	0,3154	0,1445	0,0498	0,0113	0,0042	0,0012	0,0000	0,0000	0,0000	2
	3	1,0000	0,9996	0,9950	0,9437	0,8862	0,8059	0,5941	0,3633	0,1737	0,0580	0,0273	0,0104	0,0004	0,0000	0,0000	3
	4		1,0000	0,9996	0,9896	0,9727	0,9420	0,8263	0,6367	0,4059	0,1941	0,1138	0,0563	0,0050	0,0004	0,0000	4
	5			1,0000	0,9988	0,9958	0,9887	0,9502	0,8555	0,6846	0,4482	0,3215	0,2031	0,0381	0,0058	0,0001	5
	6				0,9999	0,9996	0,9987	0,9915	0,9648	0,8936	0,7447	0,6329	0,4967	0,1869	0,0572	0,0027	6
	7				1,0000	1,0000	0,9999	0,9993	0,9961	0,9832	0,9424	0,8999	0,8322	0,5695	0,3366	0,0773	7
	8						1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	8

Tabla D.2: DISTRIBUCIÓN BINOMIAL: F(x)

n	x	0,01	0,05	0,10	0,20	0,25	0,30	0,40	0,50	0,60	0,70	0,75	0,80	0,90	0,95	0,99	x
9	0	0,9135	0,6302	0,3874	0,1342	0,0751	0,0404	0,0101	0,0020	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9966	0,9288	0,7748	0,4362	0,3003	0,1960	0,0705	0,0195	0,0038	0,0004	0,0001	0,0000	0,0000	0,0000	0,0000	1
	2	0,9999	0,9916	0,9470	0,7382	0,6007	0,4628	0,2318	0,0898	0,0250	0,0043	0,0013	0,0003	0,0000	0,0000	0,0000	2
	3	1,0000	0,9994	0,9917	0,9144	0,8343	0,7297	0,4826	0,2539	0,0994	0,0253	0,0100	0,0031	0,0001	0,0000	0,0000	3
	4		1,0000	0,9991	0,9804	0,9511	0,9012	0,7334	0,5000	0,2666	0,0988	0,0489	0,0196	0,0009	0,0000	0,0000	4
	5			0,9999	0,9969	0,9900	0,9747	0,9006	0,7461	0,5174	0,2703	0,1657	0,0856	0,0083	0,0006	0,0000	5
	6			1,0000	0,9997	0,9987	0,9957	0,9750	0,9102	0,7682	0,5372	0,3993	0,2618	0,0530	0,0084	0,0001	6
	7				1,0000	0,9999	0,9996	0,9962	0,9805	0,9295	0,8040	0,6997	0,5638	0,2252	0,0712	0,0034	7
	8					1,0000	1,0000	0,9997	0,9980	0,9899	0,9596	0,9249	0,8658	0,6126	0,3698	0,0865	8
	9							1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	9
10	0	0,9044	0,5987	0,3487	0,1074	0,0563	0,0282	0,0060	0,0010	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9957	0,9139	0,7361	0,3758	0,2440	0,1493	0,0464	0,0107	0,0017	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9999	0,9885	0,9298	0,6778	0,5256	0,3828	0,1673	0,0547	0,0123	0,0016	0,0004	0,0001	0,0000	0,0000	0,0000	2
	3	1,0000	0,9990	0,9872	0,8791	0,7759	0,6496	0,3823	0,1719	0,0548	0,0106	0,0035	0,0009	0,0000	0,0000	0,0000	3
	4		0,9999	0,9984	0,9672	0,9219	0,8497	0,6331	0,3770	0,1662	0,0473	0,0197	0,0064	0,0001	0,0000	0,0000	4
	5		1,0000	0,9999	0,9936	0,9803	0,9527	0,8338	0,6230	0,3669	0,1503	0,0781	0,0328	0,0016	0,0001	0,0000	5
	6			1,0000	0,9991	0,9965	0,9894	0,9452	0,8281	0,6177	0,3504	0,2241	0,1209	0,0128	0,0010	0,0000	6
	7				0,9999	0,9996	0,9984	0,9877	0,9453	0,8327	0,6172	0,4744	0,3222	0,0702	0,0115	0,0001	7
	8				1,0000	1,0000	0,9999	0,9983	0,9893	0,9536	0,8507	0,7560	0,6242	0,2639	0,0861	0,0043	8
	9					1,0000	1,0000	0,9999	0,9990	0,9940	0,9718	0,9437	0,8926	0,6513	0,4013	0,0956	9
	10							1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	10
11	0	0,8953	0,5688	0,3138	0,0859	0,0422	0,0198	0,0036	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9948	0,8981	0,6974	0,3221	0,1971	0,1130	0,0302	0,0059	0,0007	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9998	0,9848	0,9104	0,6174	0,4552	0,3127	0,1189	0,0327	0,0059	0,0006	0,0001	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9984	0,9815	0,8389	0,7133	0,5696	0,2963	0,1133	0,0293	0,0043	0,0012	0,0002	0,0000	0,0000	0,0000	3
	4		0,9999	0,9972	0,9496	0,8854	0,7897	0,5328	0,2744	0,0994	0,0216	0,0076	0,0020	0,0000	0,0000	0,0000	4
	5		1,0000	0,9997	0,9883	0,9657	0,9218	0,7535	0,5000	0,2465	0,0782	0,0343	0,0117	0,0003	0,0000	0,0000	5
	6			1,0000	0,9980	0,9924	0,9784	0,9006	0,7256	0,4672	0,2103	0,1146	0,0504	0,0028	0,0001	0,0000	6
	7				0,9998	0,9988	0,9957	0,9707	0,8867	0,7037	0,4304	0,2867	0,1611	0,0185	0,0016	0,0000	7
	8				1,0000	0,9999	0,9994	0,9941	0,9673	0,8811	0,6873	0,5448	0,3826	0,0896	0,0152	0,0002	8
	9					1,0000	1,0000	0,9993	0,9941	0,9698	0,8870	0,8029	0,6779	0,3026	0,1019	0,0052	9
	10							1,0000	0,9995	0,9964	0,9802	0,9578	0,9141	0,6862	0,4312	0,1047	10
	11								1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	11
12	0	0,8864	0,5404	0,2824	0,0687	0,0317	0,0138	0,0022	0,0002	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9938	0,8816	0,6590	0,2749	0,1584	0,0850	0,0196	0,0032	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9998	0,9804	0,8891	0,5583	0,3907	0,2528	0,0834	0,0193	0,0028	0,0002	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9978	0,9744	0,7946	0,6488	0,4925	0,2253	0,0730	0,0153	0,0017	0,0004	0,0001	0,0000	0,0000	0,0000	3
	4		0,9998	0,9957	0,9274	0,8424	0,7237	0,4382	0,1938	0,0573	0,0095	0,0028	0,0006	0,0000	0,0000	0,0000	4
	5		1,0000	0,9995	0,9806	0,9456	0,8822	0,6652	0,3872	0,1582	0,0386	0,0143	0,0039	0,0001	0,0000	0,0000	5
	6			0,9999	0,9961	0,9857	0,9614	0,8418	0,6128	0,3348	0,1178	0,0544	0,0194	0,0005	0,0000	0,0000	6
	7			1,0000	0,9994	0,9972	0,9905	0,9427	0,8062	0,5618	0,2763	0,1576	0,0726	0,0043	0,0002	0,0000	7
	8				0,9999	0,9996	0,9983	0,9847	0,9270	0,7747	0,5075	0,3512	0,2054	0,0256	0,0022	0,0000	8
	9				1,0000	1,0000	0,9998	0,9972	0,9807	0,9166	0,7472	0,6093	0,4417	0,1109	0,0196	0,0002	9
	10						1,0000	0,9997	0,9968	0,9804	0,9150	0,8416	0,7251	0,3410	0,1184	0,0062	10
	11							1,0000	0,9998	0,9978	0,9862	0,9683	0,9313	0,7176	0,4596	0,1136	11
	12								1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	12

Tabla D.2: DISTRIBUCIÓN BINOMIAL: F(x)

1	p	0,01	0,05	0,10	0,20	0,25	0,30	0,40	0,50	0,60	0,70	0,75	0,80	0,90	0,95	0,99	
n	x																x
13	0	0,8775	0,5133	0,2542	0,0550	0,0238	0,0097	0,0013	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9928	0,8646	0,6213	0,2336	0,1267	0,0637	0,0126	0,0017	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9997	0,9755	0,8661	0,5017	0,3326	0,2025	0,0579	0,0112	0,0013	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9969	0,9658	0,7473	0,5843	0,4206	0,1686	0,0461	0,0078	0,0007	0,0001	0,0000	0,0000	0,0000	0,0000	3
	4		0,9997	0,9935	0,9009	0,7940	0,6543	0,3530	0,1334	0,0321	0,0040	0,0010	0,0002	0,0000	0,0000	0,0000	4
	5		1,0000	0,9991	0,9700	0,9198	0,8346	0,5744	0,2905	0,0977	0,0182	0,0056	0,0012	0,0000	0,0000	0,0000	5
	6			0,9999	0,9930	0,9757	0,9376	0,7712	0,5000	0,2288	0,0624	0,0243	0,0070	0,0001	0,0000	0,0000	6
	7			1,0000	0,9988	0,9944	0,9818	0,9023	0,7095	0,4256	0,1654	0,0802	0,0300	0,0009	0,0000	0,0000	7
	8				0,9998	0,9990	0,9960	0,9679	0,8666	0,6470	0,3457	0,2060	0,0991	0,0065	0,0003	0,0000	8
	9				1,0000	0,9999	0,9993	0,9922	0,9539	0,8314	0,5794	0,4157	0,2527	0,0342	0,0031	0,0000	9
	10					1,0000	0,9999	0,9987	0,9888	0,9421	0,7975	0,6674	0,4983	0,1339	0,0245	0,0003	10
	11						1,0000	0,9999	0,9983	0,9874	0,9363	0,8733	0,7664	0,3787	0,1354	0,0072	11
	12							1,0000	0,9999	0,9987	0,9903	0,9762	0,9450	0,7458	0,4867	0,1225	12
	13								1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	13
14	0	0,8687	0,4877	0,2288	0,0440	0,0178	0,0068	0,0008	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9916	0,8470	0,5846	0,1979	0,1010	0,0475	0,0081	0,0009	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9997	0,9699	0,8416	0,4481	0,2811	0,1608	0,0398	0,0065	0,0006	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9958	0,9559	0,6982	0,5213	0,3552	0,1243	0,0287	0,0039	0,0002	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9996	0,9908	0,8702	0,7415	0,5842	0,2793	0,0898	0,0175	0,0017	0,0003	0,0000	0,0000	0,0000	0,0000	4
	5		1,0000	0,9985	0,9561	0,8883	0,7805	0,4859	0,2120	0,0583	0,0083	0,0022	0,0004	0,0000	0,0000	0,0000	5
	6			0,9998	0,9884	0,9617	0,9067	0,6925	0,3953	0,1501	0,0315	0,0103	0,0024	0,0000	0,0000	0,0000	6
	7			1,0000	0,9976	0,9897	0,9685	0,8499	0,6047	0,3075	0,0933	0,0383	0,0116	0,0002	0,0000	0,0000	7
	8				0,9996	0,9978	0,9917	0,9417	0,7880	0,5141	0,2195	0,1117	0,0439	0,0015	0,0000	0,0000	8
	9				1,0000	0,9997	0,9983	0,9825	0,9102	0,7207	0,4158	0,2585	0,1298	0,0092	0,0004	0,0000	9
	10					1,0000	0,9998	0,9961	0,9713	0,8757	0,6448	0,4787	0,3018	0,0441	0,0042	0,0000	10
	11						1,0000	0,9994	0,9935	0,9602	0,8392	0,7189	0,5519	0,1584	0,0301	0,0003	11
	12							0,9999	0,9991	0,9919	0,9525	0,8990	0,8021	0,4154	0,1530	0,0084	12
	13							1,0000	0,9999	0,9992	0,9932	0,9822	0,9560	0,7712	0,5123	0,1313	13
	14								1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	14
15	0	0,8601	0,4633	0,2059	0,0352	0,0134	0,0047	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9904	0,8290	0,5490	0,1671	0,0802	0,0353	0,0052	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9996	0,9638	0,8159	0,3980	0,2361	0,1268	0,0271	0,0037	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9945	0,9444	0,6482	0,4613	0,2969	0,0905	0,0176	0,0019	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9994	0,9873	0,8358	0,6865	0,5155	0,2173	0,0592	0,0093	0,0007	0,0001	0,0000	0,0000	0,0000	0,0000	4
	5		0,9999	0,9978	0,9389	0,8516	0,7216	0,4032	0,1509	0,0338	0,0037	0,0008	0,0001	0,0000	0,0000	0,0000	5
	6		1,0000	0,9997	0,9819	0,9434	0,8689	0,6098	0,3036	0,0950	0,0152	0,0042	0,0008	0,0000	0,0000	0,0000	6
	7			1,0000	0,9958	0,9827	0,9500	0,7869	0,5000	0,2131	0,0500	0,0173	0,0042	0,0000	0,0000	0,0000	7
	8				0,9992	0,9958	0,9848	0,9050	0,6964	0,3902	0,1311	0,0566	0,0181	0,0003	0,0000	0,0000	8
	9				0,9999	0,9992	0,9963	0,9662	0,8491	0,5968	0,2784	0,1484	0,0611	0,0022	0,0001	0,0000	9
	10				1,0000	0,9999	0,9993	0,9907	0,9408	0,7827	0,4845	0,3135	0,1642	0,0127	0,0006	0,0000	10
	11					1,0000	0,9999	0,9981	0,9824	0,9095	0,7031	0,5387	0,3518	0,0556	0,0055	0,0000	11
	12						1,0000	0,9997	0,9963	0,9729	0,8732	0,7639	0,6020	0,1841	0,0362	0,0004	12
	13							1,0000	0,9995	0,9948	0,9647	0,9198	0,8329	0,4510	0,1710	0,0096	13
	14								1,0000	0,9995	0,9953	0,9866	0,9648	0,7941	0,5367	0,1399	14
	15									1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	15

Tabla D.2: DISTRIBUCIÓN BINOMIAL: F(x)

1	p	0,01	0,05	0,10	0,20	0,25	0,30	0,40	0,50	0,60	0,70	0,75	0,80	0,90	0,95	0,99	
n	x																x
16	0	0,8515	0,4401	0,1853	0,0281	0,0100	0,0033	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9891	0,8108	0,5147	0,1407	0,0635	0,0261	0,0033	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9995	0,9571	0,7892	0,3518	0,1971	0,0994	0,0183	0,0021	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9930	0,9316	0,5981	0,4050	0,2459	0,0651	0,0106	0,0009	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9991	0,9830	0,7982	0,6302	0,4499	0,1666	0,0384	0,0049	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	4
	5		0,9999	0,9967	0,9183	0,8103	0,6598	0,3288	0,1051	0,0191	0,0016	0,0003	0,0000	0,0000	0,0000	0,0000	5
	6		1,0000	0,9995	0,9733	0,9204	0,8247	0,5272	0,2272	0,0583	0,0071	0,0016	0,0002	0,0000	0,0000	0,0000	6
	7			0,9999	0,9930	0,9729	0,9256	0,7161	0,4018	0,1423	0,0257	0,0075	0,0015	0,0000	0,0000	0,0000	7
	8			1,0000	0,9985	0,9925	0,9743	0,8577	0,5982	0,2839	0,0744	0,0271	0,0070	0,0001	0,0000	0,0000	8
	9				0,9998	0,9984	0,9929	0,9417	0,7728	0,4728	0,1753	0,0796	0,0267	0,0005	0,0000	0,0000	9
	10				1,0000	0,9997	0,9984	0,9809	0,8949	0,6712	0,3402	0,1897	0,0817	0,0033	0,0001	0,0000	10
	11					1,0000	0,9997	0,9951	0,9616	0,8334	0,5501	0,3698	0,2018	0,0170	0,0009	0,0000	11
	12						1,0000	0,9991	0,9894	0,9349	0,7541	0,5950	0,4019	0,0684	0,0070	0,0000	12
	13							0,9999	0,9979	0,9817	0,9006	0,8029	0,6482	0,2108	0,0429	0,0005	13
	14							1,0000	0,9997	0,9967	0,9739	0,9365	0,8593	0,4853	0,1892	0,0109	14
	15								1,0000	0,9997	0,9967	0,9900	0,9719	0,8147	0,5599	0,1485	15
	16									1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	16
17	0	0,8429	0,4181	0,1668	0,0225	0,0075	0,0023	0,0002	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9877	0,7922	0,4818	0,1182	0,0501	0,0193	0,0021	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9994	0,9497	0,7618	0,3096	0,1637	0,0774	0,0123	0,0012	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9912	0,9174	0,5489	0,3530	0,2019	0,0464	0,0064	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9988	0,9779	0,7582	0,5739	0,3887	0,1260	0,0245	0,0025	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	4
	5		0,9999	0,9953	0,8943	0,7653	0,5968	0,2639	0,0717	0,0106	0,0007	0,0001	0,0000	0,0000	0,0000	0,0000	5
	6		1,0000	0,9992	0,9623	0,8929	0,7752	0,4478	0,1662	0,0348	0,0032	0,0006	0,0001	0,0000	0,0000	0,0000	6
	7			0,9999	0,9891	0,9598	0,8954	0,6405	0,3145	0,0919	0,0127	0,0031	0,0005	0,0000	0,0000	0,0000	7
	8			1,0000	0,9974	0,9876	0,9597	0,8011	0,5000	0,1989	0,0403	0,0124	0,0026	0,0000	0,0000	0,0000	8
	9				0,9995	0,9969	0,9873	0,9081	0,6855	0,3595	0,1046	0,0402	0,0109	0,0001	0,0000	0,0000	9
	10				0,9999	0,9994	0,9968	0,9652	0,8338	0,5522	0,2248	0,1071	0,0377	0,0008	0,0000	0,0000	10
	11				1,0000	0,9999	0,9993	0,9894	0,9283	0,7361	0,4032	0,2347	0,1057	0,0047	0,0001	0,0000	11
	12					1,0000	0,9999	0,9975	0,9755	0,8740	0,6113	0,4261	0,2418	0,0221	0,0012	0,0000	12
	13						1,0000	0,9995	0,9936	0,9536	0,7981	0,6470	0,4511	0,0826	0,0088	0,0000	13
	14							0,9999	0,9988	0,9877	0,9226	0,8363	0,6904	0,2382	0,0503	0,0006	14
	15							1,0000	0,9999	0,9979	0,9807	0,9499	0,8818	0,5182	0,2078	0,0123	15
	16								1,0000	0,9998	0,9977	0,9925	0,9775	0,8332	0,5819	0,1571	16
	17									1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	17

Tabla D.2: DISTRIBUCIÓN BINOMIAL: F(x)

1	p	0,01	0,05	0,10	0,20	0,25	0,30	0,40	0,50	0,60	0,70	0,75	0,80	0,90	0,95	0,99	
n	x																x
18	0	0,8345	0,3972	0,1501	0,0180	0,0056	0,0016	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9862	0,7735	0,4503	0,0991	0,0395	0,0142	0,0013	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9993	0,9419	0,7338	0,2713	0,1353	0,0600	0,0082	0,0007	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9891	0,9018	0,5010	0,3057	0,1646	0,0328	0,0038	0,0002	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9985	0,9718	0,7164	0,5187	0,3327	0,0942	0,0154	0,0013	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4
	5		0,9998	0,9936	0,8671	0,7175	0,5344	0,2088	0,0481	0,0058	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	5
	6		1,0000	0,9988	0,9487	0,8610	0,7217	0,3743	0,1189	0,0203	0,0014	0,0002	0,0000	0,0000	0,0000	0,0000	6
	7			0,9998	0,9837	0,9431	0,8593	0,5634	0,2403	0,0576	0,0061	0,0012	0,0002	0,0000	0,0000	0,0000	7
	8			1,0000	0,9957	0,9807	0,9404	0,7368	0,4073	0,1347	0,0210	0,0054	0,0009	0,0000	0,0000	0,0000	8
	9				0,9991	0,9946	0,9790	0,8653	0,5927	0,2632	0,0596	0,0193	0,0043	0,0000	0,0000	0,0000	9
	10				0,9998	0,9988	0,9939	0,9424	0,7597	0,4366	0,1407	0,0569	0,0163	0,0002	0,0000	0,0000	10
	11				1,0000	0,9998	0,9986	0,9797	0,8811	0,6257	0,2783	0,1390	0,0513	0,0012	0,0000	0,0000	11
	12					1,0000	0,9997	0,9942	0,9519	0,7912	0,4656	0,2825	0,1329	0,0064	0,0002	0,0000	12
	13						1,0000	0,9987	0,9846	0,9058	0,6673	0,4813	0,2836	0,0282	0,0015	0,0000	13
	14							0,9998	0,9962	0,9672	0,8354	0,6943	0,4990	0,0982	0,0109	0,0000	14
	15							1,0000	0,9993	0,9918	0,9400	0,8647	0,7287	0,2662	0,0581	0,0007	15
	16								0,9999	0,9987	0,9858	0,9605	0,9009	0,5497	0,2265	0,0138	16
	17								1,0000	0,9999	0,9984	0,9944	0,9820	0,8499	0,6028	0,1655	17
	18									1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	18
19	0	0,8262	0,3774	0,1351	0,0144	0,0042	0,0011	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9847	0,7547	0,4203	0,0829	0,0310	0,0104	0,0008	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9991	0,9335	0,7054	0,2369	0,1113	0,0462	0,0055	0,0004	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9868	0,8850	0,4551	0,2631	0,1332	0,0230	0,0022	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9980	0,9648	0,6733	0,4654	0,2822	0,0696	0,0096	0,0006	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4
	5		0,9998	0,9914	0,8369	0,6678	0,4739	0,1629	0,0318	0,0031	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	5
	6		1,0000	0,9983	0,9324	0,8251	0,6655	0,3081	0,0835	0,0116	0,0006	0,0001	0,0000	0,0000	0,0000	0,0000	6
	7			0,9997	0,9767	0,9225	0,8180	0,4878	0,1796	0,0352	0,0028	0,0005	0,0000	0,0000	0,0000	0,0000	7
	8			1,0000	0,9933	0,9713	0,9161	0,6675	0,3238	0,0885	0,0105	0,0023	0,0003	0,0000	0,0000	0,0000	8
	9				0,9984	0,9911	0,9674	0,8139	0,5000	0,1861	0,0326	0,0089	0,0016	0,0000	0,0000	0,0000	9
	10				0,9997	0,9977	0,9895	0,9115	0,6762	0,3325	0,0839	0,0287	0,0067	0,0000	0,0000	0,0000	10
	11				1,0000	0,9995	0,9972	0,9648	0,8204	0,5122	0,1820	0,0775	0,0233	0,0003	0,0000	0,0000	11
	12					0,9999	0,9994	0,9884	0,9165	0,6919	0,3345	0,1749	0,0676	0,0017	0,0000	0,0000	12
	13					1,0000	0,9999	0,9969	0,9682	0,8371	0,5261	0,3322	0,1631	0,0086	0,0002	0,0000	13
	14						1,0000	0,9994	0,9904	0,9304	0,7178	0,5346	0,3267	0,0352	0,0020	0,0000	14
	15							0,9999	0,9978	0,9770	0,8668	0,7369	0,5449	0,1150	0,0132	0,0000	15
	16							1,0000	0,9996	0,9945	0,9538	0,8887	0,7631	0,2946	0,0665	0,0009	16
	17								1,0000	0,9992	0,9896	0,9690	0,9171	0,5797	0,2453	0,0153	17
	18									0,9999	0,9989	0,9958	0,9856	0,8649	0,6226	0,1738	18
	19									1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	19

Tabla D.2: DISTRIBUCIÓN BINOMIAL: F(x)

n	x	0,01	0,05	0,10	0,20	0,25	0,30	0,40	0,50	0,60	0,70	0,75	0,80	0,90	0,95	0,99	x
20	0	0,8179	0,3585	0,1216	0,0115	0,0032	0,0008	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9831	0,7358	0,3917	0,0692	0,0243	0,0076	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9990	0,9245	0,6769	0,2061	0,0913	0,0355	0,0036	0,0002	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	1,0000	0,9841	0,8670	0,4114	0,2252	0,1071	0,0160	0,0013	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4		0,9974	0,9568	0,6296	0,4148	0,2375	0,0510	0,0059	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4
	5		0,9997	0,9887	0,8042	0,6172	0,4164	0,1256	0,0207	0,0016	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	5
	6		1,0000	0,9976	0,9133	0,7858	0,6080	0,2500	0,0577	0,0065	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	6
	7			0,9996	0,9679	0,8982	0,7723	0,4159	0,1316	0,0210	0,0013	0,0002	0,0000	0,0000	0,0000	0,0000	7
	8			0,9999	0,9900	0,9591	0,8867	0,5956	0,2517	0,0565	0,0051	0,0009	0,0001	0,0000	0,0000	0,0000	8
	9			1,0000	0,9974	0,9861	0,9520	0,7553	0,4119	0,1275	0,0171	0,0039	0,0006	0,0000	0,0000	0,0000	9
	10				0,9994	0,9961	0,9829	0,8725	0,5881	0,2447	0,0480	0,0139	0,0026	0,0000	0,0000	0,0000	10
	11				0,9999	0,9991	0,9949	0,9435	0,7483	0,4044	0,1133	0,0409	0,0100	0,0001	0,0000	0,0000	11
	12				1,0000	0,9998	0,9987	0,9790	0,8684	0,5841	0,2277	0,1018	0,0321	0,0004	0,0000	0,0000	12
	13					1,0000	0,9997	0,9935	0,9423	0,7500	0,3920	0,2142	0,0867	0,0024	0,0000	0,0000	13
	14						1,0000	0,9984	0,9793	0,8744	0,5836	0,3828	0,1958	0,0113	0,0003	0,0000	14
	15							0,9997	0,9941	0,9490	0,7625	0,5852	0,3704	0,0432	0,0026	0,0000	15
	16							1,0000	0,9987	0,9840	0,8929	0,7748	0,5886	0,1330	0,0159	0,0000	16
	17								0,9998	0,9964	0,9645	0,9087	0,7939	0,3231	0,0755	0,0010	17
	18								1,0000	0,9995	0,9924	0,9757	0,9308	0,6083	0,2642	0,0169	18
	19									1,0000	0,9992	0,9968	0,9885	0,8784	0,6415	0,1821	19
	20										1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	20
25	0	0,7778	0,2774	0,0718	0,0038	0,0008	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0
	1	0,9742	0,6424	0,2712	0,0274	0,0070	0,0016	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1
	2	0,9980	0,8729	0,5371	0,0982	0,0321	0,0090	0,0004	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2
	3	0,9999	0,9659	0,7636	0,2340	0,0962	0,0332	0,0024	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3
	4	1,0000	0,9928	0,9020	0,4207	0,2137	0,0905	0,0095	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4
	5		0,9988	0,9666	0,6167	0,3783	0,1935	0,0294	0,0020	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	5
	6		0,9998	0,9905	0,7800	0,5611	0,3407	0,0736	0,0073	0,0003	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	6
	7		1,0000	0,9977	0,8909	0,7265	0,5118	0,1536	0,0216	0,0012	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	7
	8			0,9995	0,9532	0,8506	0,6769	0,2735	0,0539	0,0043	0,0001	0,0000	0,0000	0,0000	0,0000	0,0000	8
	9			0,9999	0,9827	0,9287	0,8106	0,4246	0,1148	0,0132	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	9
	10			1,0000	0,9944	0,9703	0,9022	0,5858	0,2122	0,0344	0,0018	0,0002	0,0000	0,0000	0,0000	0,0000	10
	11				0,9985	0,9893	0,9558	0,7323	0,3450	0,0778	0,0060	0,0009	0,0001	0,0000	0,0000	0,0000	11
	12				0,9996	0,9966	0,9825	0,8462	0,5000	0,1538	0,0175	0,0034	0,0004	0,0000	0,0000	0,0000	12
	13				0,9999	0,9991	0,9940	0,9222	0,6550	0,2677	0,0442	0,0107	0,0015	0,0000	0,0000	0,0000	13
	14				1,0000	0,9998	0,9982	0,9656	0,7878	0,4142	0,0978	0,0297	0,0056	0,0000	0,0000	0,0000	14
	15					1,0000	0,9995	0,9868	0,8852	0,5754	0,1894	0,0713	0,0173	0,0001	0,0000	0,0000	15
	16						0,9999	0,9957	0,9461	0,7265	0,3231	0,1494	0,0468	0,0005	0,0000	0,0000	16
	17						1,0000	0,9988	0,9784	0,8464	0,4882	0,2735	0,1091	0,0023	0,0000	0,0000	17
	18							0,9997	0,9927	0,9264	0,6593	0,4389	0,2200	0,0095	0,0002	0,0000	18
	19							0,9999	0,9980	0,9706	0,8065	0,6217	0,3833	0,0334	0,0012	0,0000	19
	20							1,0000	0,9995	0,9905	0,9095	0,7863	0,5793	0,0980	0,0072	0,0000	20
	21								0,9999	0,9976	0,9668	0,9038	0,7660	0,2364	0,0341	0,0001	21
	22								1,0000	0,9996	0,9910	0,9679	0,9018	0,4629	0,1271	0,0020	22
	23									0,9999	0,9984	0,9930	0,9726	0,7288	0,3576	0,0258	23
	24									1,0000	0,9999	0,9992	0,9962	0,9282	0,7226	0,2222	24
	25										1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	25

DISTRIBUCION POISSON

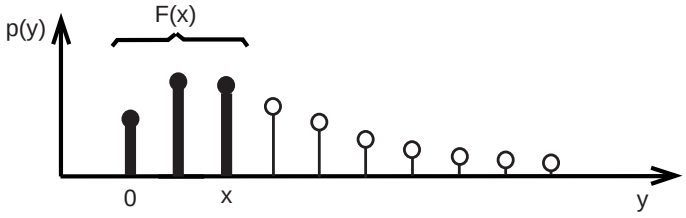
Función de probabilidad:

$$p(x) = \frac{e^{-\lambda}\ \lambda^x}{x!} \qquad si\ x = 0, 1, 2, ...$$

Espacio paramétrico: $\lambda \in (0, +\infty)$
Valor esperado: λ
Varianza: λ
Función generadora de momentos: $e^{[\lambda(e^t-1)]}$

TABLA DE DISTRIBUCION POISSON

La tabla entrega valores de la función de distribución (probabilidad acumulada), es decir, valores de $F(x) = \sum_{y=0}^{x} p(y)$.
La cuantila x toma valores desde 0 hasta que los términos se hacen cero al nivel de precisión de la tabla.
El parámetro λ toma valores de 0.01 a 0.04 variando en 0.01; de 0.06 a 0.20 variando en 0.02; de 0.25 a 1.00 variando en 0.05; de 1.1 a 3.5 variando en 0.1; de 4 a 18 variando en 0.5; de 19 a 41 variando en 1.



APROXIMACION NORMAL DE LA POISSON.

Si una variable aleatoria X tiene distribución **Poisson** con parámetro λ , entonces si λ es grande, la variable aleatoria $Z = \frac{X-\lambda}{\sqrt{\lambda}}$ tiene distribución aproximada **normal estándar**.

En la práctica, si λ es grande, si se requiere la probabilidad acumulada $F(x)$ con F distribución **Poisson**, se puede obtener su valor aproximado buscando en la tabla **normal**

$$F_N\Big(\frac{x-\lambda}{\sqrt(\lambda}\Big)$$

en que F_N es la distribución **normal estándar**. Se puede utilizar, como criterio, la condición $\lambda > 36$.

TABLA DE DISTRIBUCION POISSON

$\lambda = 0{,}01$		$\lambda = 0{,}02$		$\lambda = 0{,}03$		$\lambda = 0{,}04$		$\lambda = 0{,}06$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.9900	0	0.9802	0	0.9704	0	0.9608	0	0.9418
1	1.0000	1	0.9998	1	0.9996	1	0.9992	1	0.9983
2	1.0000	2	1.0000	2	1.0000	2	1.0000	2	1.0000

$\lambda = 0{,}08$		$\lambda = 0{,}10$		$\lambda = 0{,}12$		$\lambda = 0{,}14$		$\lambda = 0{,}16$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.9231	0	0.9048	0	0.8869	0	0.8694	0	0.8521
1	0.9970	1	0.9953	1	0.9934	1	0.9911	1	0.9885
2	0.9999	2	0.9998	2	0.9997	2	0.9996	2	0.9994
3	1.0000	3	1.0000	3	1.0000	3	1.0000	3	1.0000

$\lambda = 0{,}18$		$\lambda = 0{,}20$		$\lambda = 0{,}25$		$\lambda = 0{,}30$		$\lambda = 0{,}35$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.8353	0	0.8187	0	0.7788	0	0.7408	0	0.7047
1	0.9856	1	0.9825	1	0.9735	1	0.9631	1	0.9513
2	0.9992	2	0.9989	2	0.9978	2	0.9964	2	0.9945
3	1.0000	3	0.9999	3	0.9999	3	0.9997	3	0.9995
4	1.0000	4	1.0000	4	1.0000	4	1.0000	4	1.0000

$\lambda = 0{,}40$		$\lambda = 0{,}45$		$\lambda = 0{,}50$		$\lambda = 0{,}55$		$\lambda = 0{,}60$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.6703	0	0.6376	0	0.6065	0	0.5769	0	0.5488
1	0.9384	1	0.9246	1	0.9098	1	0.8943	1	0.8781
2	0.9921	2	0.9891	2	0.9856	2	0.9815	2	0.9769
3	0.9992	3	0.9988	3	0.9982	3	0.9975	3	0.9966
4	0.9999	4	0.9999	4	0.9998	4	0.9997	4	0.9996
5	1.0000	5	1.0000	5	1.0000	5	1.0000	5	1.0000

$\lambda = 0{,}65$		$\lambda = 0{,}70$		$\lambda = 0{,}75$		$\lambda = 0{,}80$		$\lambda = 0{,}85$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.5220	0	0.4966	0	0.4724	0	0.4493	0	0.4274
1	0.8614	1	0.8442	1	0.8266	1	0.8088	1	0.7907
2	0.9717	2	0.9659	2	0.9595	2	0.9526	2	0.9451
3	0.9956	3	0.9942	3	0.9927	3	0.9909	3	0.9889
4	0.9994	4	0.9992	4	0.9989	4	0.9986	4	0.9982
5	0.9999	5	0.9999	5	0.9999	5	0.9998	5	0.9997
6	1.0000	6	1.0000	6	1.0000	6	1.0000	6	1.0000

DISTRIBUCION POISSON (2)

$\lambda = 0{,}90$		$\lambda = 0{,}95$		$\lambda = 1{,}00$		$\lambda = 1{,}10$		$\lambda = 1{,}20$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.4066	0	0.3867	0	0.3679	0	0.3329	0	0.3012
1	0.7725	1	0.7541	1	0.7358	1	0.6990	1	0.6626
2	0.9371	2	0.9287	2	0.9197	2	0.9004	2	0.8795
3	0.9865	3	0.9839	3	0.9810	3	0.9743	3	0.9662
4	0.9977	4	0.9971	4	0.9963	4	0.9946	4	0.9923
5	0.9997	5	0.9995	5	0.9994	5	0.9990	5	0.9985
6	1.0000	6	0.9999	6	0.9999	6	0.9999	6	0.9997
7	1.0000	7	1.0000	7	1.0000	7	1.0000	7	1.0000

$\lambda = 1{,}30$		$\lambda = 1{,}40$		$\lambda = 1{,}50$		$\lambda = 1{,}60$		$\lambda = 1{,}70$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.2725	0	0.2466	0	0.2231	0	0.2019	0	0.1827
1	0.6268	1	0.5918	1	0.5578	1	0.5249	1	0.4932
2	0.8571	2	0.8335	2	0.8088	2	0.7834	2	0.7572
3	0.9569	3	0.9463	3	0.9344	3	0.9212	3	0.9068
4	0.9893	4	0.9857	4	0.9814	4	0.9763	4	0.9704
5	0.9978	5	0.9968	5	0.9955	5	0.9940	5	0.9920
6	0.9996	6	0.9994	6	0.9991	6	0.9987	6	0.9981
7	0.9999	7	0.9999	7	0.9998	7	0.9997	7	0.9996
8	1.0000	8	1.0000	8	1.0000	8	1.0000	8	0.9999
9	1.0000	9	1.0000	9	1.0000	9	1.0000	9	1.0000

$\lambda = 1{,}80$		$\lambda = 1{,}90$		$\lambda = 2{,}00$		$\lambda = 2{,}10$		$\lambda = 2{,}20$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.1653	0	0.1496	0	0.1353	0	0.1225	0	0.1108
1	0.4628	1	0.4337	1	0.4060	1	0.3796	1	0.3546
2	0.7306	2	0.7037	2	0.6767	2	0.6496	2	0.6227
3	0.8913	3	0.8747	3	0.8571	3	0.8386	3	0.8194
4	0.9636	4	0.9559	4	0.9473	4	0.9379	4	0.9275
5	0.9896	5	0.9868	5	0.9834	5	0.9796	5	0.9751
6	0.9974	6	0.9966	6	0.9955	6	0.9941	6	0.9925
7	0.9994	7	0.9992	7	0.9989	7	0.9985	7	0.9980
8	0.9999	8	0.9998	8	0.9998	8	0.9997	8	0.9995
9	1.0000	9	1.0000	9	1.0000	9	0.9999	9	0.9999
10	1.0000	10	1.0000	10	1.0000	10	1.0000	10	1.0000

DISTRIBUCION POISSON (3)

	$\lambda = 2{,}30$		$\lambda = 2{,}40$		$\lambda = 2{,}50$		$\lambda = 2{,}60$		$\lambda = 2{,}70$
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.1003	0	0.0907	0	0.0821	0	0.0743	0	0.0672
1	0.3309	1	0.3084	1	0.2873	1	0.2674	1	0.2487
2	0.5960	2	0.5697	2	0.5438	2	0.5184	2	0.4936
3	0.7993	3	0.7787	3	0.7576	3	0.7360	3	0.7141
4	0.9162	4	0.9041	4	0.8912	4	0.8774	4	0.8629
5	0.9700	5	0.9643	5	0.9580	5	0.9510	5	0.9433
6	0.9906	6	0.9884	6	0.9858	6	0.9828	6	0.9794
7	0.9974	7	0.9967	7	0.9958	7	0.9947	7	0.9934
8	0.9994	8	0.9991	8	0.9989	8	0.9985	8	0.9981
9	0.9999	9	0.9998	9	0.9997	9	0.9996	9	0.9995
10	1.0000	10	1.0000	10	0.9999	10	0.9999	10	0.9999
11	1.0000	11	1.0000	11	1.0000	11	1.0000	11	1.0000

	$\lambda = 2{,}80$		$\lambda = 2{,}90$		$\lambda = 3{,}00$		$\lambda = 3{,}10$		$\lambda = 3{,}20$
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0608	0	0.0550	0	0.0498	0	0.0450	0	0.0408
1	0.2311	1	0.2146	1	0.1991	1	0.1847	1	0.1712
2	0.4695	2	0.4460	2	0.4232	2	0.4012	2	0.3799
3	0.6919	3	0.6696	3	0.6472	3	0.6248	3	0.6025
4	0.8477	4	0.8318	4	0.8153	4	0.7982	4	0.7806
5	0.9349	5	0.9258	5	0.9161	5	0.9057	5	0.8946
6	0.9756	6	0.9713	6	0.9665	6	0.9612	6	0.9554
7	0.9919	7	0.9901	7	0.9881	7	0.9858	7	0.9832
8	0.9976	8	0.9969	8	0.9962	8	0.9953	8	0.9943
9	0.9993	9	0.9991	9	0.9989	9	0.9986	9	0.9982
10	0.9998	10	0.9998	10	0.9997	10	0.9996	10	0.9995
11	1.0000	11	0.9999	11	0.9999	11	0.9999	11	0.9999
12	1.0000	12	1.0000	12	1.0000	12	1.0000	12	1.0000

	$\lambda = 3{,}30$		$\lambda = 3{,}40$		$\lambda = 3{,}50$		$\lambda = 4{,}00$		$\lambda = 4{,}50$
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0369	0	0.0334	0	0.0302	0	0.0183	0	0.0111
1	0.1586	1	0.1468	1	0.1359	1	0.0916	1	0.0611
2	0.3594	2	0.3397	2	0.3208	2	0.2381	2	0.1736
3	0.5803	3	0.5584	3	0.5366	3	0.4335	3	0.3423
4	0.7626	4	0.7442	4	0.7254	4	0.6288	4	0.5321
5	0.8829	5	0.8705	5	0.8576	5	0.7851	5	0.7029
6	0.9490	6	0.9421	6	0.9347	6	0.8893	6	0.8311
7	0.9802	7	0.9769	7	0.9733	7	0.9489	7	0.9134
8	0.9931	8	0.9917	8	0.9901	8	0.9786	8	0.9597
9	0.9978	9	0.9973	9	0.9967	9	0.9919	9	0.9829
10	0.9994	10	0.9992	10	0.9990	10	0.9972	10	0.9933
11	0.9998	11	0.9998	11	0.9997	11	0.9991	11	0.9976
12	1.0000	12	0.9999	12	0.9999	12	0.9997	12	0.9992
13	1.0000	13	1.0000	13	1.0000	13	0.9999	13	0.9997
14	1.0000	14	1.0000	14	1.0000	14	1.0000	14	0.9999
15	1.0000	15	1.0000	15	1.0000	15	1.0000	15	1.0000

DISTRIBUCION POISSON (4)

$\lambda = 5{,}00$		$\lambda = 5{,}50$		$\lambda = 6{,}00$		$\lambda = 6{,}50$		$\lambda = 7{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0067	0	0.0041	0	0.0025	0	0.0015	0	0.0009
1	0.0404	1	0.0266	1	0.0174	1	0.0113	1	0.0073
2	0.1247	2	0.0884	2	0.0620	2	0.0430	2	0.0296
3	0.2650	3	0.2017	3	0.1512	3	0.1118	3	0.0818
4	0.4405	4	0.3575	4	0.2851	4	0.2237	4	0.1730
5	0.6160	5	0.5289	5	0.4457	5	0.3690	5	0.3007
6	0.7622	6	0.6860	6	0.6063	6	0.5265	6	0.4497
7	0.8666	7	0.8095	7	0.7440	7	0.6728	7	0.5987
8	0.9319	8	0.8944	8	0.8472	8	0.7916	8	0.7291
9	0.9682	9	0.9462	9	0.9161	9	0.8774	9	0.8305
10	0.9863	10	0.9747	10	0.9574	10	0.9332	10	0.9015
11	0.9945	11	0.9890	11	0.9799	11	0.9661	11	0.9467
12	0.9980	12	0.9955	12	0.9912	12	0.9840	12	0.9730
13	0.9993	13	0.9983	13	0.9964	13	0.9929	13	0.9872
14	0.9998	14	0.9994	14	0.9986	14	0.9970	14	0.9943
15	0.9999	15	0.9998	15	0.9995	15	0.9988	15	0.9976
16	1.0000	16	0.9999	16	0.9998	16	0.9996	16	0.9990
17	1.0000	17	1.0000	17	0.9999	17	0.9998	17	0.9996
18	1.0000	18	1.0000	18	1.0000	18	0.9999	18	0.9999
19	1.0000	19	1.0000	19	1.0000	19	1.0000	19	1.0000

$\lambda = 7{,}50$		$\lambda = 8{,}00$		$\lambda = 8{,}50$		$\lambda = 9{,}00$		$\lambda = 9{,}50$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0006	0	0.0003	0	0.0002	0	0.0001	0	0.0001
1	0.0047	1	0.0030	1	0.0019	1	0.0012	1	0.0008
2	0.0203	2	0.0138	2	0.0093	2	0.0062	2	0.0042
3	0.0591	3	0.0424	3	0.0301	3	0.0212	3	0.0149
4	0.1321	4	0.0996	4	0.0744	4	0.0550	4	0.0403
5	0.2414	5	0.1912	5	0.1496	5	0.1157	5	0.0885
6	0.3782	6	0.3134	6	0.2562	6	0.2068	6	0.1649
7	0.5246	7	0.4530	7	0.3856	7	0.3239	7	0.2687
8	0.6620	8	0.5925	8	0.5231	8	0.4557	8	0.3918
9	0.7764	9	0.7166	9	0.6530	9	0.5874	9	0.5218
10	0.8622	10	0.8159	10	0.7634	10	0.7060	10	0.6453
11	0.9208	11	0.8881	11	0.8487	11	0.8030	11	0.7520
12	0.9573	12	0.9362	12	0.9091	12	0.8758	12	0.8364
13	0.9784	13	0.9658	13	0.9486	13	0.9261	13	0.8981
14	0.9897	14	0.9827	14	0.9726	14	0.9585	14	0.9400
15	0.9954	15	0.9918	15	0.9862	15	0.9780	15	0.9665
16	0.9980	16	0.9963	16	0.9934	16	0.9889	16	0.9823
17	0.9992	17	0.9984	17	0.9970	17	0.9947	17	0.9911
18	0.9997	18	0.9993	18	0.9987	18	0.9976	18	0.9957
19	0.9999	19	0.9997	19	0.9995	19	0.9989	19	0.9980
20	1.0000	20	0.9999	20	0.9998	20	0.9996	20	0.9991
21	1.0000	21	1.0000	21	0.9999	21	0.9998	21	0.9996
22	1.0000	22	1.0000	22	1.0000	22	0.9999	22	0.9999
23	1.0000	23	1.0000	23	1.0000	23	1.0000	23	0.9999
24	1.0000	24	1.0000	24	1.0000	24	1.0000	24	1.0000

DISTRIBUCION POISSON (5)

$\lambda = 10{,}00$		$\lambda = 10{,}50$		$\lambda = 11{,}00$		$\lambda = 11{,}50$		$\lambda = 12{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000
1	0.0005	1	0.0003	1	0.0002	1	0.0001	1	0.0001
2	0.0028	2	0.0018	2	0.0012	2	0.0008	2	0.0005
3	0.0103	3	0.0071	3	0.0049	3	0.0034	3	0.0023
4	0.0293	4	0.0211	4	0.0151	4	0.0107	4	0.0076
5	0.0671	5	0.0504	5	0.0375	5	0.0277	5	0.0203
6	0.1301	6	0.1016	6	0.0786	6	0.0603	6	0.0458
7	0.2202	7	0.1785	7	0.1432	7	0.1137	7	0.0895
8	0.3328	8	0.2794	8	0.2320	8	0.1906	8	0.1550
9	0.4579	9	0.3971	9	0.3405	9	0.2888	9	0.2424
10	0.5830	10	0.5207	10	0.4599	10	0.4017	10	0.3472
11	0.6968	11	0.6387	11	0.5793	11	0.5198	11	0.4616
12	0.7916	12	0.7420	12	0.6887	12	0.6329	12	0.5760
13	0.8645	13	0.8253	13	0.7813	13	0.7330	13	0.6815
14	0.9165	14	0.8879	14	0.8540	14	0.8153	14	0.7720
15	0.9513	15	0.9317	15	0.9074	15	0.8783	15	0.8444
16	0.9730	16	0.9604	16	0.9441	16	0.9236	16	0.8987
17	0.9857	17	0.9781	17	0.9678	17	0.9542	17	0.9370
18	0.9928	18	0.9885	18	0.9823	18	0.9738	18	0.9626
19	0.9965	19	0.9942	19	0.9907	19	0.9857	19	0.9787
20	0.9984	20	0.9972	20	0.9953	20	0.9925	20	0.9884
21	0.9993	21	0.9987	21	0.9977	21	0.9962	21	0.9939
22	0.9997	22	0.9994	22	0.9990	22	0.9982	22	0.9970
23	0.9999	23	0.9998	23	0.9995	23	0.9992	23	0.9985
24	1.0000	24	0.9999	24	0.9998	24	0.9996	24	0.9993
25	1.0000	25	1.0000	25	0.9999	25	0.9998	25	0.9997
26	1.0000	26	1.0000	26	1.0000	26	0.9999	26	0.9999
27	1.0000	27	1.0000	27	1.0000	27	1.0000	27	0.9999
28	1.0000	28	1.0000	28	1.0000	28	1.0000	28	1.0000

DISTRIBUCION POISSON (6)

$\lambda = 12{,}50$		$\lambda = 13{,}00$		$\lambda = 13{,}50$		$\lambda = 14{,}00$		$\lambda = 14{,}50$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000
1	0.0001	1	0.0000	1	0.0000	1	0.0000	1	0.0000
2	0.0003	2	0.0002	2	0.0001	2	0.0001	2	0.0001
3	0.0016	3	0.0011	3	0.0007	3	0.0005	3	0.0003
4	0.0053	4	0.0037	4	0.0026	4	0.0018	4	0.0012
5	0.0148	5	0.0107	5	0.0077	5	0.0055	5	0.0039
6	0.0346	6	0.0259	6	0.0193	6	0.0142	6	0.0105
7	0.0698	7	0.0540	7	0.0415	7	0.0316	7	0.0239
8	0.1249	8	0.0998	8	0.0790	8	0.0621	8	0.0484
9	0.2014	9	0.1658	9	0.1353	9	0.1094	9	0.0878
10	0.2971	10	0.2517	10	0.2112	10	0.1757	10	0.1449
11	0.4058	11	0.3532	11	0.3045	11	0.2600	11	0.2201
12	0.5190	12	0.4631	12	0.4093	12	0.3585	12	0.3111
13	0.6278	13	0.5730	13	0.5182	13	0.4644	13	0.4125
14	0.7250	14	0.6751	14	0.6233	14	0.5704	14	0.5176
15	0.8060	15	0.7636	15	0.7178	15	0.6694	15	0.6192
16	0.8693	16	0.8355	16	0.7975	16	0.7559	16	0.7112
17	0.9158	17	0.8905	17	0.8609	17	0.8272	17	0.7897
18	0.9481	18	0.9302	18	0.9084	18	0.8826	18	0.8530
19	0.9694	19	0.9573	19	0.9421	19	0.9235	19	0.9012
20	0.9827	20	0.9750	20	0.9649	20	0.9521	20	0.9362
21	0.9906	21	0.9859	21	0.9796	21	0.9712	21	0.9604
22	0.9951	22	0.9924	22	0.9885	22	0.9833	22	0.9763
23	0.9975	23	0.9960	23	0.9938	23	0.9907	23	0.9863
24	0.9988	24	0.9980	24	0.9968	24	0.9950	24	0.9924
25	0.9994	25	0.9990	25	0.9984	25	0.9974	25	0.9959
26	0.9997	26	0.9995	26	0.9992	26	0.9987	26	0.9979
27	0.9999	27	0.9998	27	0.9996	27	0.9994	27	0.9989
28	1.0000	28	0.9999	28	0.9998	28	0.9997	28	0.9995
29	1.0000	29	1.0000	29	0.9999	29	0.9999	29	0.9998
30	1.0000	30	1.0000	30	1.0000	30	0.9999	30	0.9999
31	1.0000	31	1.0000	31	1.0000	31	1.0000	31	1.0000

DISTRIBUCION POISSON (7)

$\lambda = 15{,}00$		$\lambda = 15{,}50$		$\lambda = 16{,}00$		$\lambda = 16{,}50$		$\lambda = 17{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
0	0.0000	0	0.0000	0	0.0000	0	0.0000	0	0.0000
1	0.0000	1	0.0000	1	0.0000	1	0.0000	1	0.0000
2	0.0000	2	0.0000	2	0.0000	2	0.0000	2	0.0000
3	0.0002	3	0.0001	3	0.0001	3	0.0001	3	0.0000
4	0.0009	4	0.0006	4	0.0004	4	0.0003	4	0.0002
5	0.0028	5	0.0020	5	0.0014	5	0.0010	5	0.0007
6	0.0076	6	0.0055	6	0.0040	6	0.0029	6	0.0021
7	0.0180	7	0.0135	7	0.0100	7	0.0074	7	0.0054
8	0.0374	8	0.0288	8	0.0220	8	0.0167	8	0.0126
9	0.0699	9	0.0552	9	0.0433	9	0.0337	9	0.0261
10	0.1185	10	0.0961	10	0.0774	10	0.0619	10	0.0491
11	0.1848	11	0.1538	11	0.1270	11	0.1041	11	0.0847
12	0.2676	12	0.2283	12	0.1931	12	0.1621	12	0.1350
13	0.3632	13	0.3171	13	0.2745	13	0.2357	13	0.2009
14	0.4657	14	0.4154	14	0.3675	14	0.3225	14	0.2808
15	0.5681	15	0.5170	15	0.4667	15	0.4180	15	0.3715
16	0.6641	16	0.6154	16	0.5660	16	0.5165	16	0.4677
17	0.7489	17	0.7052	17	0.6593	17	0.6120	17	0.5640
18	0.8195	18	0.7825	18	0.7423	18	0.6996	18	0.6550
19	0.8752	19	0.8455	19	0.8122	19	0.7757	19	0.7363
20	0.9170	20	0.8944	20	0.8682	20	0.8385	20	0.8055
21	0.9469	21	0.9304	21	0.9108	21	0.8878	21	0.8615
22	0.9673	22	0.9558	22	0.9418	22	0.9248	22	0.9047
23	0.9805	23	0.9730	23	0.9633	23	0.9513	23	0.9367
24	0.9888	24	0.9840	24	0.9777	24	0.9696	24	0.9594
25	0.9938	25	0.9909	25	0.9869	25	0.9816	25	0.9748
26	0.9967	26	0.9950	26	0.9925	26	0.9892	26	0.9848
27	0.9983	27	0.9973	27	0.9959	27	0.9939	27	0.9912
28	0.9991	28	0.9986	28	0.9978	28	0.9967	28	0.9950
29	0.9996	29	0.9993	29	0.9989	29	0.9982	29	0.9973
30	0.9998	30	0.9997	30	0.9994	30	0.9991	30	0.9986
31	0.9999	31	0.9998	31	0.9997	31	0.9995	31	0.9993
32	1.0000	32	0.9999	32	0.9999	32	0.9998	32	0.9996
33	1.0000	33	1.0000	33	0.9999	33	0.9999	33	0.9998
34	1.0000	34	1.0000	34	1.0000	34	1.0000	34	0.9999
35	1.0000	35	1.0000	35	1.0000	35	1.0000	35	1.0000

DISTRIBUCION POISSON (8)

$\lambda = 17{,}50$		$\lambda = 18{,}00$		$\lambda = 19{,}00$		$\lambda = 20{,}00$		$\lambda = 21{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
3	0.0000	3	0.0000	3	0.0000	3	0.0000	3	0.0000
4	0.0001	4	0.0001	4	0.0000	4	0.0000	4	0.0000
5	0.0005	5	0.0003	5	0.0002	5	0.0001	5	0.0000
6	0.0015	6	0.0010	6	0.0005	6	0.0003	6	0.0001
7	0.0040	7	0.0029	7	0.0015	7	0.0008	7	0.0004
8	0.0095	8	0.0071	8	0.0039	8	0.0021	8	0.0011
9	0.0201	9	0.0154	9	0.0089	9	0.0050	9	0.0028
10	0.0387	10	0.0304	10	0.0183	10	0.0108	10	0.0063
11	0.0684	11	0.0549	11	0.0347	11	0.0214	11	0.0129
12	0.1116	12	0.0917	12	0.0606	12	0.0390	12	0.0245
13	0.1699	13	0.1426	13	0.0984	13	0.0661	13	0.0434
14	0.2426	14	0.2081	14	0.1497	14	0.1049	14	0.0716
15	0.3275	15	0.2867	15	0.2148	15	0.1565	15	0.1111
16	0.4204	16	0.3751	16	0.2920	16	0.2211	16	0.1629
17	0.5160	17	0.4686	17	0.3784	17	0.2970	17	0.2270
18	0.6089	18	0.5622	18	0.4695	18	0.3814	18	0.3017
19	0.6945	19	0.6509	19	0.5606	19	0.4703	19	0.3843
20	0.7694	20	0.7307	20	0.6472	20	0.5591	20	0.4710
21	0.8319	21	0.7991	21	0.7255	21	0.6437	21	0.5577
22	0.8815	22	0.8551	22	0.7931	22	0.7206	22	0.6405
23	0.9193	23	0.8989	23	0.8490	23	0.7875	23	0.7160
24	0.9468	24	0.9317	24	0.8933	24	0.8432	24	0.7822
25	0.9661	25	0.9554	25	0.9269	25	0.8878	25	0.8377
26	0.9791	26	0.9718	26	0.9514	26	0.9221	26	0.8826
27	0.9875	27	0.9827	27	0.9687	27	0.9475	27	0.9175
28	0.9928	28	0.9897	28	0.9805	28	0.9657	28	0.9436
29	0.9959	29	0.9941	29	0.9882	29	0.9782	29	0.9626
30	0.9978	30	0.9967	30	0.9930	30	0.9865	30	0.9758
31	0.9988	31	0.9982	31	0.9960	31	0.9919	31	0.9848
32	0.9994	32	0.9990	32	0.9978	32	0.9953	32	0.9907
33	0.9997	33	0.9995	33	0.9988	33	0.9973	33	0.9945
34	0.9999	34	0.9998	34	0.9994	34	0.9985	34	0.9968
35	0.9999	35	0.9999	35	0.9997	35	0.9992	35	0.9982
36	1.0000	36	0.9999	36	0.9998	36	0.9996	36	0.9990
37	1.0000	37	1.0000	37	0.9999	37	0.9998	37	0.9995
38	1.0000	38	1.0000	38	1.0000	38	0.9999	38	0.9997
39	1.0000	39	1.0000	39	1.0000	39	0.9999	39	0.9999
40	1.0000	40	1.0000	40	1.0000	40	1.0000	40	0.9999
41	1.0000	41	1.0000	41	1.0000	41	1.0000	41	1.0000

DISTRIBUCION POISSON (9)

$\lambda = 22{,}00$		$\lambda = 23{,}00$		$\lambda = 24{,}00$		$\lambda = 25{,}00$		$\lambda = 26{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
5	0.0000	5	0.0000	5	0.0000	5	0.0000	5	0.0000
6	0.0001	6	0.0000	6	0.0000	6	0.0000	6	0.0000
7	0.0002	7	0.0001	7	0.0000	7	0.0000	7	0.0000
8	0.0006	8	0.0003	8	0.0002	8	0.0001	8	0.0000
9	0.0015	9	0.0008	9	0.0004	9	0.0002	9	0.0001
10	0.0035	10	0.0020	10	0.0011	10	0.0006	10	0.0003
11	0.0076	11	0.0044	11	0.0025	11	0.0014	11	0.0008
12	0.0151	12	0.0091	12	0.0054	12	0.0031	12	0.0018
13	0.0278	13	0.0174	13	0.0107	13	0.0065	13	0.0038
14	0.0477	14	0.0311	14	0.0198	14	0.0124	14	0.0076
15	0.0769	15	0.0520	15	0.0344	15	0.0223	15	0.0142
16	0.1170	16	0.0821	16	0.0563	16	0.0377	16	0.0248
17	0.1690	17	0.1228	17	0.0871	17	0.0605	17	0.0411
18	0.2325	18	0.1748	18	0.1283	18	0.0920	18	0.0646
19	0.3060	19	0.2377	19	0.1803	19	0.1336	19	0.0968
20	0.3869	20	0.3101	20	0.2426	20	0.1855	20	0.1387
21	0.4716	21	0.3894	21	0.3139	21	0.2473	21	0.1905
22	0.5564	22	0.4723	22	0.3917	22	0.3175	22	0.2517
23	0.6374	23	0.5551	23	0.4728	23	0.3939	23	0.3209
24	0.7117	24	0.6346	24	0.5540	24	0.4734	24	0.3959
25	0.7771	25	0.7077	25	0.6319	25	0.5529	25	0.4739
26	0.8324	26	0.7723	26	0.7038	26	0.6294	26	0.5519
27	0.8775	27	0.8274	27	0.7677	27	0.7002	27	0.6270
28	0.9129	28	0.8726	28	0.8225	28	0.7634	28	0.6967
29	0.9398	29	0.9085	29	0.8679	29	0.8179	29	0.7593
30	0.9595	30	0.9360	30	0.9042	30	0.8633	30	0.8134
31	0.9735	31	0.9564	31	0.9322	31	0.8999	31	0.8589
32	0.9831	32	0.9711	32	0.9533	32	0.9285	32	0.8958
33	0.9895	33	0.9813	33	0.9686	33	0.9502	33	0.9249
34	0.9936	34	0.9882	34	0.9794	34	0.9662	34	0.9472
35	0.9962	35	0.9927	35	0.9868	35	0.9775	35	0.9637
36	0.9978	36	0.9956	36	0.9918	36	0.9854	36	0.9756
37	0.9988	37	0.9974	37	0.9950	37	0.9908	37	0.9840
38	0.9993	38	0.9985	38	0.9970	38	0.9943	38	0.9897
39	0.9996	39	0.9992	39	0.9983	39	0.9966	39	0.9936
40	0.9998	40	0.9996	40	0.9990	40	0.9980	40	0.9961
41	0.9999	41	0.9998	41	0.9995	41	0.9988	41	0.9976
42	1.0000	42	0.9999	42	0.9997	42	0.9993	42	0.9986
43	1.0000	43	0.9999	43	0.9998	43	0.9996	43	0.9992
44	1.0000	44	1.0000	44	0.9999	44	0.9998	44	0.9996
45	1.0000	45	1.0000	45	1.0000	45	0.9999	45	0.9998
46	1.0000	46	1.0000	46	1.0000	46	0.9999	46	0.9999
47	1.0000	47	1.0000	47	1.0000	47	1.0000	47	0.9999
48	1.0000	48	1.0000	48	1.0000	48	1.0000	48	1.0000

DISTRIBUCION POISSON (10)

$\lambda = 27{,}00$		$\lambda = 28{,}00$		$\lambda = 29{,}00$		$\lambda = 30{,}00$		$\lambda = 31{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
8	0.0000	8	0.0000	8	0.0000	8	0.0000	8	0.0000
9	0.0001	9	0.0000	9	0.0000	9	0.0000	9	0.0000
10	0.0002	10	0.0001	10	0.0000	10	0.0000	10	0.0000
11	0.0004	11	0.0002	11	0.0001	11	0.0001	11	0.0000
12	0.0010	12	0.0006	12	0.0003	12	0.0002	12	0.0001
13	0.0022	13	0.0013	13	0.0007	13	0.0004	13	0.0002
14	0.0046	14	0.0027	14	0.0016	14	0.0009	14	0.0005
15	0.0088	15	0.0054	15	0.0033	15	0.0019	15	0.0011
16	0.0160	16	0.0101	16	0.0063	16	0.0039	16	0.0023
17	0.0274	17	0.0179	17	0.0115	17	0.0073	17	0.0045
18	0.0445	18	0.0300	18	0.0199	18	0.0129	18	0.0083
19	0.0687	19	0.0478	19	0.0326	19	0.0219	19	0.0144
20	0.1015	20	0.0727	20	0.0511	20	0.0353	20	0.0239
21	0.1436	21	0.1060	21	0.0767	21	0.0544	21	0.0379
22	0.1953	22	0.1483	22	0.1104	22	0.0806	22	0.0577
23	0.2559	23	0.1998	23	0.1529	23	0.1146	23	0.0844
24	0.3242	24	0.2599	24	0.2042	24	0.1572	24	0.1188
25	0.3979	25	0.3272	25	0.2637	25	0.2084	25	0.1615
26	0.4744	26	0.3997	26	0.3301	26	0.2673	26	0.2124
27	0.5509	27	0.4749	27	0.4014	27	0.3329	27	0.2708
28	0.6247	28	0.5500	28	0.4753	28	0.4031	28	0.3355
29	0.6935	29	0.6226	29	0.5492	29	0.4757	29	0.4047
30	0.7553	30	0.6903	30	0.6206	30	0.5484	30	0.4761
31	0.8092	31	0.7515	31	0.6874	31	0.6186	31	0.5476
32	0.8546	32	0.8051	32	0.7479	32	0.6845	32	0.6168
33	0.8918	33	0.8505	33	0.8011	33	0.7444	33	0.6818
34	0.9213	34	0.8879	34	0.8465	34	0.7973	34	0.7411
35	0.9441	35	0.9178	35	0.8841	35	0.8426	35	0.7936
36	0.9612	36	0.9411	36	0.9144	36	0.8804	36	0.8389
37	0.9737	37	0.9587	37	0.9381	37	0.9110	37	0.8768
38	0.9825	38	0.9717	38	0.9562	38	0.9352	38	0.9077
39	0.9887	39	0.9810	39	0.9697	39	0.9537	39	0.9322
40	0.9928	40	0.9875	40	0.9795	40	0.9677	40	0.9513
41	0.9955	41	0.9920	41	0.9864	41	0.9779	41	0.9657
42	0.9973	42	0.9950	42	0.9911	42	0.9852	42	0.9763
43	0.9984	43	0.9969	43	0.9944	43	0.9903	43	0.9840
44	0.9991	44	0.9981	44	0.9965	44	0.9937	44	0.9894
45	0.9995	45	0.9989	45	0.9978	45	0.9960	45	0.9931
46	0.9997	46	0.9994	46	0.9987	46	0.9976	46	0.9956
47	0.9998	47	0.9996	47	0.9992	47	0.9985	47	0.9972
48	0.9999	48	0.9998	48	0.9996	48	0.9991	48	0.9983
49	1.0000	49	0.9999	49	0.9998	49	0.9995	49	0.9990
50	1.0000	50	0.9999	50	0.9999	50	0.9997	50	0.9994
51	1.0000	51	1.0000	51	0.9999	51	0.9998	51	0.9996
52	1.0000	52	1.0000	52	1.0000	52	0.9999	52	0.9998
53	1.0000	53	1.0000	53	1.0000	53	0.9999	53	0.9999
54	1.0000	54	1.0000	54	1.0000	54	1.0000	54	0.9999
55	1.0000	55	1.0000	55	1.0000	55	1.0000	55	1.0000

$\lambda = 32{,}00$		$\lambda = 33{,}00$		$\lambda = 34{,}00$		$\lambda = 35{,}00$		$\lambda = 36{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
12	0.0000	12	0.0000	12	0.0000	12	0.0000	12	0.0000
13	0.0001	13	0.0001	13	0.0000	13	0.0000	13	0.0000
14	0.0003	14	0.0002	14	0.0001	14	0.0000	14	0.0000
15	0.0007	15	0.0004	15	0.0002	15	0.0001	15	0.0001
16	0.0014	16	0.0008	16	0.0005	16	0.0003	16	0.0002
17	0.0028	17	0.0017	17	0.0010	17	0.0006	17	0.0003
18	0.0052	18	0.0032	18	0.0020	18	0.0012	18	0.0007
19	0.0093	19	0.0060	19	0.0037	19	0.0023	19	0.0014
20	0.0159	20	0.0105	20	0.0068	20	0.0043	20	0.0027
21	0.0260	21	0.0175	21	0.0116	21	0.0076	21	0.0049
22	0.0406	22	0.0281	22	0.0191	22	0.0128	22	0.0085
23	0.0610	23	0.0433	23	0.0302	23	0.0208	23	0.0141
24	0.0881	24	0.0642	24	0.0460	24	0.0324	24	0.0224
25	0.1228	25	0.0918	25	0.0674	25	0.0486	25	0.0345
26	0.1656	26	0.1268	26	0.0953	26	0.0705	26	0.0513
27	0.2162	27	0.1695	27	0.1306	27	0.0988	27	0.0736
28	0.2741	28	0.2199	28	0.1733	28	0.1343	28	0.1023
29	0.3380	29	0.2773	29	0.2235	29	0.1770	29	0.1379
30	0.4061	30	0.3404	30	0.2804	30	0.2269	30	0.1806
31	0.4765	31	0.4076	31	0.3427	31	0.2833	31	0.2303
32	0.5468	32	0.4768	32	0.4089	32	0.3449	32	0.2861
33	0.6150	33	0.5461	33	0.4772	33	0.4102	33	0.3470
34	0.6792	34	0.6134	34	0.5454	34	0.4775	34	0.4115
35	0.7379	35	0.6767	35	0.6117	35	0.5448	35	0.4778
36	0.7901	36	0.7349	36	0.6744	36	0.6102	36	0.5442
37	0.8352	37	0.7867	37	0.7319	37	0.6721	37	0.6087
38	0.8732	38	0.8317	38	0.7834	38	0.7291	38	0.6699
39	0.9044	39	0.8698	39	0.8283	39	0.7802	39	0.7263
40	0.9293	40	0.9012	40	0.8664	40	0.8249	40	0.7771
41	0.9488	41	0.9265	41	0.8981	41	0.8631	41	0.8217
42	0.9636	42	0.9464	42	0.9237	42	0.8950	42	0.8599
43	0.9747	43	0.9616	43	0.9439	43	0.9209	43	0.8919
44	0.9827	44	0.9730	44	0.9596	44	0.9415	44	0.9181
45	0.9884	45	0.9814	45	0.9714	45	0.9575	45	0.9391
46	0.9924	46	0.9874	46	0.9801	46	0.9697	46	0.9555
47	0.9951	47	0.9917	47	0.9864	47	0.9788	47	0.9680
48	0.9969	48	0.9946	48	0.9909	48	0.9854	48	0.9775
49	0.9981	49	0.9965	49	0.9940	49	0.9902	49	0.9844
50	0.9988	50	0.9978	50	0.9961	50	0.9935	50	0.9894
51	0.9993	51	0.9987	51	0.9976	51	0.9957	51	0.9929
52	0.9996	52	0.9992	52	0.9985	52	0.9973	52	0.9953
53	0.9998	53	0.9995	53	0.9991	53	0.9983	53	0.9970
54	0.9999	54	0.9997	54	0.9994	54	0.9989	54	0.9981
55	0.9999	55	0.9998	55	0.9997	55	0.9993	55	0.9988
56	1.0000	56	0.9999	56	0.9998	56	0.9996	56	0.9993
57	1.0000	57	0.9999	57	0.9999	57	0.9998	57	0.9995
58	1.0000	58	1.0000	58	0.9999	58	0.9999	58	0.9997
59	1.0000	59	1.0000	59	1.0000	59	0.9999	59	0.9998
60	1.0000	60	1.0000	60	1.0000	60	1.0000	60	0.9999
61	1.0000	61	1.0000	61	1.0000	61	1.0000	61	0.9999
62	1.0000	62	1.0000	62	1.0000	62	1.0000	62	1.0000

DISTRIBUCION POISSON (12)

$\lambda = 37{,}00$		$\lambda = 38{,}00$		$\lambda = 39{,}00$		$\lambda = 40{,}00$		$\lambda = 41{,}00$	
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
15	0.0000	15	0.0000	15	0.0000	15	0.0000	15	0.0000
16	0.0001	16	0.0000	16	0.0000	16	0.0000	16	0.0000
17	0.0002	17	0.0001	17	0.0001	17	0.0000	17	0.0000
18	0.0004	18	0.0002	18	0.0001	18	0.0001	18	0.0000
19	0.0009	19	0.0005	19	0.0003	19	0.0002	19	0.0001
20	0.0017	20	0.0010	20	0.0006	20	0.0004	20	0.0002
21	0.0031	21	0.0019	21	0.0012	21	0.0007	21	0.0004
22	0.0055	22	0.0035	22	0.0022	22	0.0014	22	0.0009
23	0.0094	23	0.0062	23	0.0040	23	0.0026	23	0.0016
24	0.0153	24	0.0103	24	0.0068	24	0.0045	24	0.0029
25	0.0241	25	0.0166	25	0.0113	25	0.0076	25	0.0050
26	0.0367	26	0.0259	26	0.0180	26	0.0123	26	0.0083
27	0.0539	27	0.0389	27	0.0276	27	0.0193	27	0.0134
28	0.0766	28	0.0565	28	0.0411	28	0.0294	28	0.0207
29	0.1056	29	0.0796	29	0.0591	29	0.0432	29	0.0312
30	0.1414	30	0.1089	30	0.0826	30	0.0617	30	0.0454
31	0.1841	31	0.1448	31	0.1121	31	0.0855	31	0.0642
32	0.2335	32	0.1875	32	0.1482	32	0.1153	32	0.0884
33	0.2888	33	0.2365	33	0.1907	33	0.1514	33	0.1184
34	0.3490	34	0.2914	34	0.2395	34	0.1939	34	0.1546
35	0.4127	35	0.3510	35	0.2939	35	0.2424	35	0.1969
36	0.4781	36	0.4138	36	0.3528	36	0.2963	36	0.2452
37	0.5436	37	0.4784	37	0.4150	37	0.3547	37	0.2987
38	0.6073	38	0.5430	38	0.4787	38	0.4160	38	0.3564
39	0.6677	39	0.6059	39	0.5424	39	0.4790	39	0.4171
40	0.7237	40	0.6657	40	0.6046	40	0.5419	40	0.4792
41	0.7741	41	0.7211	41	0.6637	41	0.6033	41	0.5414
42	0.8186	42	0.7712	42	0.7186	42	0.6618	42	0.6021
43	0.8568	43	0.8155	43	0.7684	43	0.7162	43	0.6600
44	0.8890	44	0.8538	44	0.8125	44	0.7657	44	0.7139
45	0.9154	45	0.8861	45	0.8508	45	0.8097	45	0.7630
46	0.9367	46	0.9128	46	0.8832	46	0.8479	46	0.8068
47	0.9534	47	0.9343	47	0.9101	47	0.8804	47	0.8450
48	0.9664	48	0.9514	48	0.9320	48	0.9075	48	0.8777
49	0.9761	49	0.9647	49	0.9494	49	0.9297	49	0.9050
50	0.9833	50	0.9747	50	0.9630	50	0.9474	50	0.9274

Continuación

	$\lambda = 37{,}00$		$\lambda = 38{,}00$		$\lambda = 39{,}00$		$\lambda = 40{,}00$		$\lambda = 41{,}00$
x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad	x	Probabilidad
51	0.9885	51	0.9822	51	0.9733	51	0.9613	51	0.9454
52	0.9923	52	0.9877	52	0.9811	52	0.9719	52	0.9596
53	0.9949	53	0.9916	53	0.9869	53	0.9800	53	0.9705
54	0.9967	54	0.9944	54	0.9910	54	0.9860	54	0.9789
55	0.9978	55	0.9963	55	0.9939	55	0.9903	55	0.9851
56	0.9986	56	0.9976	56	0.9960	56	0.9934	56	0.9896
57	0.9992	57	0.9985	57	0.9974	57	0.9956	57	0.9929
58	0.9995	58	0.9990	58	0.9983	58	0.9971	58	0.9952
59	0.9997	59	0.9994	59	0.9989	59	0.9981	59	0.9968
60	0.9998	60	0.9996	60	0.9993	60	0.9988	60	0.9979
61	0.9999	61	0.9998	61	0.9996	61	0.9992	61	0.9987
62	0.9999	62	0.9999	62	0.9998	62	0.9995	62	0.9992
63	1.0000	63	0.9999	63	0.9999	63	0.9997	63	0.9995
64	1.0000	64	1.0000	64	0.9999	64	0.9998	64	0.9997
65	1.0000	65	1.0000	65	0.9999	65	0.9999	65	0.9998
66	1.0000	66	1.0000	66	1.0000	66	0.9999	66	0.9999
67	1.0000	67	1.0000	67	1.0000	67	1.0000	67	0.9999
68	1.0000	68	1.0000	68	1.0000	68	1.0000	68	1.0000

El valor de la tabla para z es el área bajo la curva de la normal estándar a la izquierda de z

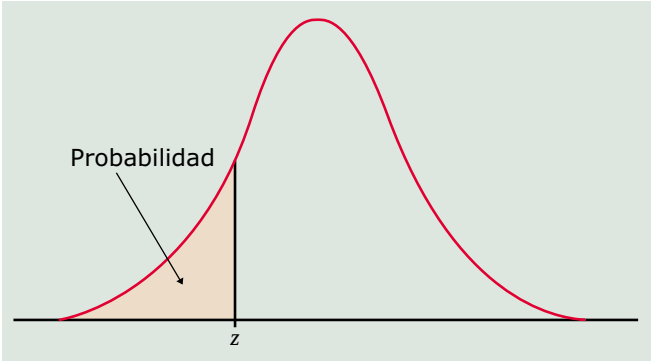


TABLA A: Probabilidades de la normal estándar

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
−3.4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0002
−3.3	.0005	.0005	.0005	.0004	.0004	.0004	.0004	.0004	.0004	.0003
−3.2	.0007	.0007	.0006	.0006	.0006	.0006	.0006	.0005	.0005	.0005
−3.1	.0010	.0009	.0009	.0009	.0008	.0008	.0008	.0008	.0007	.0007
−3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010	.0010
−2.9	.0019	.0018	.0018	.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	.0102	.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	.0228	.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	.0301	.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
−0.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
−0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867
−0.7	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2177	.2148
−0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
−0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
−0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
−0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
−0.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
−0.1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
−0.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641

El valor de la tabla para z es el área bajo la curva de la normal estándar a la izquierda de z

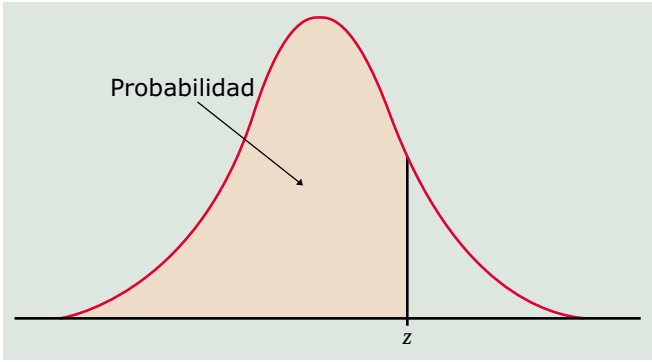


TABLA A: Probabilidades de la normal estándar (cont.)

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
0.9	.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	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.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
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998

DISTRIBUCION JI CUADRADO

Función de densidad:

$$f(x) \;=\; \frac{1}{2^{k/2}\Gamma(k/2)} x^{k/2-1} e^{-x/2} \qquad si \quad x > 0$$

Espacio paramétrico: *Grados de libertad* $k \in \{1, 2, 3, ...\}$

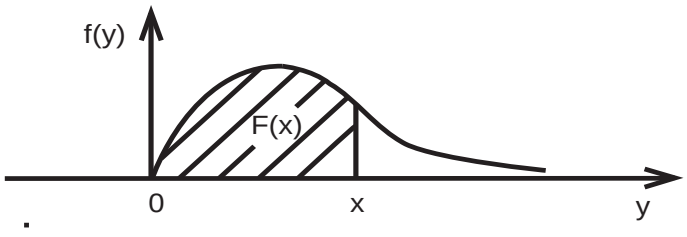
Valor esperado: k

Varianza: $2k$

Función generadora de momentos: $\left(\frac{1}{1-2t}\right)^{k/2} \qquad para \quad t < 1/2$

TABLA DE DISTRIBUCION JI CUADRADO

La tabla entrega valores de la cuantila z para valores dados de probabilidad acumulada $F(x) = \int_0^x f(y)dy$.
Los valores de probabilidad acumulada son 0.0005; 0.001; 0.0025; 0.005; 0.010; 0.025; desde 0.050 hasta 0.950, variando en 0.050; 0.975; 0.990; 0.995; 0.998; 0.999; 0.9995.
Los valores de los grados de libertad son: De 1 a 30; de 35 a 100 variando en 5; 110; 120; 200.



APROXIMACION NORMAL DE LA JI-CUADRADO.

Si una variable aleatoria X tiene distribución **ji-cuadrado** con k grados de libertad, entonces si k es grande la variable aleatoria $Z = \frac{X-k}{\sqrt{(2k)}}$ tiene distribución aproximada **normal standard**.

En la práctica, si k es grande, si se requiere la probabilidad acumulada $F(x)$ con F distribución **ji-cuadrado**, se puede obtener su valor aproximado buscando en la tabla **normal**

$$F_N\Big(\frac{x-k}{\sqrt{(2k)}}\Big)$$

en que F_N es la distribución **normal estándar**. Se puede utilizar, como criterio, la condición $k > 200$.

TABLA DE DISTRIBUCION JI - CUADRADO

Grados de Libertad	Probabilidad acumulada										
	0.0005	0.001	0.0025	0.005	0.010	0.025	0.050	0.100	0.150	0.200	0.250
1	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.016	0.036	0.064	0.102
2	0.001	0.002	0.005	0.010	0.020	0.051	0.103	0.211	0.325	0.446	0.575
3	0.015	0.024	0.045	0.072	0.115	0.216	0.352	0.584	0.798	1.005	1.213
4	0.064	0.091	0.145	0.207	0.297	0.484	0.711	1.064	1.366	1.649	1.923
5	0.158	0.210	0.307	0.412	0.554	0.831	1.145	1.610	1.994	2.343	2.675
6	0.299	0.381	0.527	0.676	0.872	1.237	1.635	2.204	2.661	3.070	3.455
7	0.485	0.598	0.794	0.989	1.239	1.690	2.167	2.833	3.358	3.822	4.255
8	0.710	0.857	1.104	1.344	1.646	2.180	2.733	3.490	4.078	4.594	5.071
9	0.972	1.152	1.450	1.735	2.088	2.700	3.325	4.168	4.817	5.380	5.899
10	1.265	1.479	1.827	2.156	2.558	3.247	3.940	4.865	5.570	6.179	6.737
11	1.587	1.834	2.232	2.603	3.053	3.816	4.575	5.578	6.336	6.989	7.584
12	1.934	2.214	2.661	3.074	3.571	4.404	5.226	6.304	7.114	7.807	8.438
13	2.305	2.617	3.112	3.565	4.107	5.009	5.892	7.042	7.901	8.634	9.299
14	2.697	3.041	3.582	4.075	4.660	5.629	6.571	7.790	8.696	9.467	10.17
15	3.108	3.483	4.070	4.601	5.229	6.262	7.261	8.547	9.499	10.31	11.04
16	3.536	3.942	4.573	5.142	5.812	6.908	7.962	9.312	10.31	11.15	11.91
17	3.980	4.416	5.092	5.697	6.408	7.564	8.672	10.09	11.12	12.00	12.79
18	4.439	4.905	5.623	6.265	7.015	8.231	9.390	10.86	11.95	12.86	13.68
19	4.912	5.407	6.167	6.844	7.633	8.907	10.12	11.65	12.77	13.72	14.56
20	5.398	5.921	6.723	7.434	8.260	9.591	10.85	12.44	13.60	14.58	15.45
21	5.896	6.447	7.289	8.034	8.897	10.28	11.59	13.24	14.44	15.44	16.34
22	6.404	6.983	7.865	8.643	9.542	10.98	12.34	14.04	15.28	16.31	17.24
23	6.924	7.529	8.450	9.260	10.20	11.69	13.09	14.85	16.12	17.19	18.14
24	7.453	8.085	9.044	9.886	10.86	12.40	13.85	15.66	16.97	18.06	19.04
25	7.991	8.649	9.646	10.52	11.52	13.12	14.61	16.47	17.82	18.94	19.94
26	8.538	9.222	10.26	11.16	12.20	13.84	15.38	17.29	18.67	19.82	20.84
27	9.093	9.803	10.87	11.81	12.88	14.57	16.15	18.11	19.53	20.70	21.75
28	9.656	10.39	11.50	12.46	13.56	15.31	16.93	18.94	20.39	21.59	22.66
29	10.23	10.99	12.13	13.12	14.26	16.05	17.71	19.77	21.25	22.48	23.57
30	10.80	11.59	12.76	13.79	14.95	16.79	18.49	20.60	22.11	23.36	24.48
35	13.79	14.69	16.03	17.19	18.51	20.57	22.47	24.80	26.46	27.84	29.05
40	16.91	17.92	19.42	20.71	22.16	24.43	26.51	29.05	30.86	32.34	33.66
45	20.14	21.25	22.90	24.31	25.90	28.37	30.61	33.35	35.29	36.88	38.29
50	23.46	24.67	26.46	27.99	29.71	32.36	34.76	37.69	39.75	41.45	42.94
55	26.87	28.17	30.10	31.73	33.57	36.40	38.96	42.06	44.24	46.04	47.61
60	30.34	31.74	33.79	35.53	37.48	40.48	43.19	46.46	48.76	50.64	52.29
65	33.88	35.36	37.54	39.38	41.44	44.60	47.45	50.88	53.29	55.26	56.99
70	37.47	39.04	41.33	43.28	45.44	48.76	51.74	55.33	57.84	59.90	61.70
75	41.11	42.76	45.17	47.21	49.48	52.94	56.05	59.79	62.41	64.55	66.42
80	44.79	46.52	49.04	51.17	53.54	57.15	60.39	64.28	66.99	69.21	71.14
85	48.52	50.32	52.95	55.17	57.63	61.39	64.75	68.78	71.59	73.88	75.88
90	52.28	54.16	56.89	59.20	61.75	65.65	69.13	73.29	76.20	78.56	80.62
95	56.07	58.02	60.86	63.25	65.90	69.92	73.52	77.82	80.81	83.25	85.38
100	59.90	61.92	64.86	67.33	70.06	74.22	77.93	82.36	85.44	87.95	90.13
110	67.63	69.79	72.92	75.55	78.46	82.87	86.79	91.47	94.72	97.36	99.67
120	75.47	77.76	81.07	83.85	86.92	91.57	95.70	100.6	104.0	106.8	109.2
200	140.7	143.8	148.4	152.2	156.4	162.7	168.3	174.8	179.4	183.0	186.2

DISTRIBUCION JI - CUADRADO (2)

Grados de Libertad	Probabilidad acumulada									
	0.300	0.350	0.400	0.450	0.500	0.550	0.600	0.650	0.700	0.750
1	0.148	0.206	0.275	0.357	0.455	0.571	0.708	0.873	1.074	1.323
2	0.713	0.862	1.022	1.196	1.386	1.597	1.833	2.100	2.408	2.773
3	1.424	1.642	1.869	2.109	2.366	2.643	2.946	3.283	3.665	4.108
4	2.195	2.470	2.753	3.047	3.357	3.687	4.045	4.438	4.878	5.385
5	3.000	3.325	3.655	3.996	4.351	4.728	5.132	5.573	6.064	6.626
6	3.828	4.197	4.570	4.952	5.348	5.765	6.211	6.695	7.231	7.841
7	4.671	5.082	5.493	5.913	6.346	6.800	7.283	7.806	8.383	9.037
8	5.527	5.975	6.423	6.877	7.344	7.833	8.351	8.909	9.524	10.22
9	6.393	6.876	7.357	7.843	8.343	8.863	9.414	10.01	10.66	11.39
10	7.267	7.783	8.295	8.812	9.342	9.892	10.47	11.10	11.78	12.55
11	8.148	8.695	9.237	9.783	10.34	10.92	11.53	12.18	12.90	13.70
12	9.034	9.612	10.18	10.76	11.34	11.95	12.58	13.27	14.01	14.85
13	9.926	10.53	11.13	11.73	12.34	12.97	13.64	14.35	15.12	15.98
14	10.82	11.45	12.08	12.70	13.34	14.00	14.69	15.42	16.22	17.12
15	11.72	12.38	13.03	13.68	14.34	15.02	15.73	16.49	17.32	18.25
16	12.62	13.31	13.98	14.66	15.34	16.04	16.78	17.56	18.42	19.37
17	13.53	14.24	14.94	15.63	16.34	17.06	17.82	18.63	19.51	20.49
18	14.44	15.17	15.89	16.61	17.34	18.09	18.87	19.70	20.60	21.60
19	15.35	16.11	16.85	17.59	18.34	19.11	19.91	20.76	21.69	22.72
20	16.27	17.05	17.81	18.57	19.34	20.13	20.95	21.83	22.77	23.83
21	17.18	17.98	18.77	19.55	20.34	21.15	21.99	22.89	23.86	24.93
22	18.10	18.92	19.73	20.53	21.34	22.17	23.03	23.95	24.94	26.04
23	19.02	19.87	20.69	21.51	22.34	23.19	24.07	25.01	26.02	27.14
24	19.94	20.81	21.65	22.49	23.34	24.20	25.11	26.06	27.10	28.24
25	20.87	21.75	22.62	23.47	24.34	25.22	26.14	27.12	28.17	29.34
26	21.79	22.70	23.58	24.45	25.34	26.24	27.18	28.17	29.25	30.43
27	22.72	23.64	24.54	25.44	26.34	27.26	28.21	29.23	30.32	31.53
28	23.65	24.59	25.51	26.42	27.34	28.27	29.25	30.28	31.39	32.62
29	24.58	25.54	26.48	27.40	28.34	29.29	30.28	31.33	32.46	33.71
30	25.51	26.49	27.44	28.39	29.34	30.31	31.32	32.38	33.53	34.80
35	30.18	31.25	32.28	33.31	34.34	35.39	36.47	37.62	38.86	40.22
40	34.87	36.02	37.13	38.23	39.34	40.46	41.62	42.85	44.16	45.62
45	39.58	40.81	42.00	43.16	44.34	45.53	46.76	48.06	49.45	50.98
50	44.31	45.61	46.86	48.10	49.33	50.59	51.89	53.26	54.72	56.33
55	49.06	50.42	51.74	53.04	54.33	55.65	57.02	58.45	59.98	61.66
60	53.81	55.24	56.62	57.98	59.33	60.71	62.13	63.63	65.23	66.98
65	58.57	60.07	61.51	62.92	64.33	65.77	67.25	68.80	70.46	72.28
70	63.35	64.90	66.40	67.87	69.33	70.82	72.36	73.97	75.69	77.58
75	68.13	69.74	71.29	72.81	74.33	75.88	77.46	79.13	80.91	82.86
80	72.92	74.58	76.19	77.76	79.33	80.93	82.57	84.28	86.12	88.13
85	77.71	79.43	81.09	82.71	84.33	85.98	87.67	89.43	91.32	93.39
90	82.51	84.29	85.99	87.67	89.33	91.02	92.76	94.58	96.52	98.65
95	87.32	89.14	90.90	92.62	94.33	96.07	97.85	99.72	101.7	103.9
100	92.13	94.00	95.81	97.57	99.33	101.1	102.9	104.9	106.9	109.1
110	101.8	103.7	105.6	107.5	109.3	111.2	113.1	115.1	117.3	119.6
120	111.4	113.5	115.5	117.4	119.3	121.3	123.3	125.4	127.6	130.1
200	189.0	191.7	194.3	196.8	199.3	201.9	204.4	207.1	210.0	213.1

DISTRIBUCION JI - CUADRADO (3)

Grados de Libertad	Probabilidad acumulada									
	0.800	0.850	0.900	0.950	0.975	0.990	0.995	0.998	0.999	0.9995
1	1.642	2.072	2.706	3.841	5.024	6.635	7.879	9.141	10.83	12.12
2	3.219	3.794	4.606	5.992	7.379	9.214	10.60	12.00	13.85	15.27
3	4.642	5.317	6.251	7.815	9.348	11.34	12.84	14.32	16.27	17.73
4	5.989	6.745	7.779	9.488	11.14	13.28	14.86	16.42	18.47	20.00
5	7.289	8.115	9.236	11.07	12.83	15.09	16.75	18.39	20.52	22.11
6	8.558	9.446	10.64	12.59	14.45	16.81	18.55	20.25	22.46	24.10
7	9.803	10.75	12.02	14.07	16.01	18.48	20.28	22.04	24.32	26.02
8	11.03	12.03	13.36	15.51	17.53	20.09	21.95	23.77	26.12	27.87
9	12.24	13.29	14.68	16.92	19.02	21.67	23.59	25.46	27.88	29.67
10	13.44	14.53	15.99	18.31	20.48	23.21	25.19	27.11	29.59	31.42
11	14.63	15.77	17.28	19.68	21.92	24.72	26.76	28.73	31.26	33.14
12	15.81	16.99	18.55	21.03	23.34	26.22	28.30	30.32	32.91	34.82
13	16.98	18.20	19.81	22.36	24.74	27.69	29.82	31.88	34.53	36.48
14	18.15	19.41	21.06	23.68	26.12	29.14	31.32	33.43	36.12	38.11
15	19.31	20.60	22.31	25.00	27.49	30.58	32.80	34.95	37.70	39.72
16	20.47	21.79	23.54	26.30	28.85	32.00	34.27	36.46	39.25	41.31
17	21.61	22.98	24.77	27.59	30.19	33.41	35.72	37.95	40.79	42.88
18	22.76	24.16	25.99	28.87	31.53	34.81	37.16	39.42	42.31	44.43
19	23.90	25.33	27.20	30.14	32.85	36.19	38.58	40.88	43.82	45.97
20	25.04	26.50	28.41	31.41	34.17	37.57	40.00	42.34	45.31	47.50
21	26.17	27.66	29.62	32.67	35.48	38.93	41.40	43.78	46.80	49.01
22	27.30	28.82	30.81	33.92	36.78	40.29	42.80	45.20	48.27	50.51
23	28.43	29.98	32.01	35.17	38.08	41.64	44.18	46.62	49.73	52.00
24	29.55	31.13	33.20	36.42	39.36	42.98	45.56	48.03	51.18	53.48
25	30.68	32.28	34.38	37.65	40.65	44.31	46.93	49.44	52.62	54.95
26	31.79	33.43	35.56	38.89	41.92	45.64	48.29	50.83	54.05	56.41
27	32.91	34.57	36.74	40.11	43.19	46.96	49.64	52.22	55.48	57.86
28	34.03	35.71	37.92	41.34	44.46	48.28	50.99	53.59	56.89	59.30
29	35.14	36.85	39.09	42.56	45.72	49.59	52.34	54.97	58.30	60.73
30	36.25	37.99	40.26	43.77	46.98	50.89	53.67	56.33	59.70	62.16
35	41.78	43.64	46.06	49.80	53.20	57.34	60.27	63.08	66.62	69.20
40	47.27	49.24	51.81	55.76	59.34	63.69	66.77	69.70	73.40	76.09
45	52.73	54.81	57.51	61.66	65.41	69.96	73.17	76.22	80.08	82.88
50	58.16	60.35	63.17	67.50	71.42	76.15	79.49	82.66	86.66	89.56
55	63.58	65.86	68.80	73.31	77.38	82.29	85.75	89.03	93.17	96.16
60	68.97	71.34	74.40	79.08	83.30	88.38	91.95	95.34	99.61	102.7
65	74.35	76.81	79.97	84.82	89.18	94.42	98.11	101.6	106.0	109.2
70	79.71	82.26	85.53	90.53	95.02	100.4	104.2	107.8	112.3	115.6
75	85.07	87.69	91.06	96.22	100.8	106.4	110.3	114.0	118.6	121.9
80	90.41	93.11	96.58	101.9	106.6	112.3	116.3	120.1	124.8	128.3
85	95.73	98.51	102.1	107.5	112.4	118.2	122.3	126.2	131.0	134.5
90	101.1	103.9	107.6	113.1	118.1	124.1	128.3	132.3	137.2	140.8
95	106.4	109.3	113.0	118.8	123.9	130.0	134.2	138.3	143.3	147.0
100	111.7	114.7	118.5	124.3	129.6	135.8	140.2	144.3	149.4	153.2
110	122.2	125.4	129.4	135.5	140.9	147.4	151.9	156.2	161.6	165.4
120	132.8	136.1	140.2	146.6	152.2	159.0	163.6	168.1	173.6	177.6
200	216.6	220.7	226.0	234.0	241.1	249.4	255.3	260.7	267.5	272.4

DISTRIBUCION T DE STUDENT

Función de densidad:

$$f(x) \;=\; \frac{\Gamma\left(\frac{k+1}{2}\right)}{\Gamma\left(k/2\right)} \cdot \frac{1}{\sqrt{(k\pi)}} \cdot \frac{1}{\left(1+\frac{x^2}{k}\right)^{\frac{k+1}{2}}} \qquad para \quad x \in (-\infty, +\infty)$$

Espacio paramétrico: *Grados de libertad* $k \in \{1, 2, 3, ...\}$

Valor esperado: 0 *para* $k > 1$

Varianza: $\frac{k}{k-2}$ *para* $k > 2$

Función generadora de momentos: *no existe*

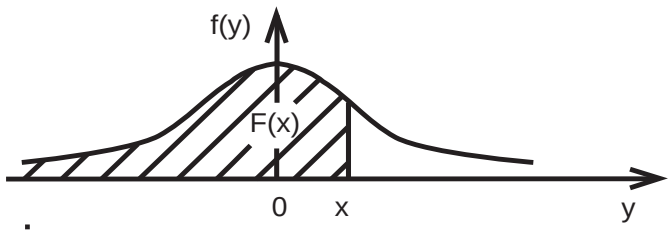


TABLA DE DISTRIBUCION T DE STUDENT

La tabla entrega valores de la cuantila z para valores dados de probabilidad acumulada $F(x) = \int_{-\infty}^{x} f(y)dy$.
Los valores de probabilidad acumulada son: Desde 0.55 hasta 0.95, variando en 0.050; 0.975; 0.990; 0.995; 0.9975; 0.999; 0.9995.
Los valores de los grados de libertad son: De 1 a 30; de 35 a 100 variando en 5; 110; de 120 a 200 variando en 20; 300; 400; 500; 1000.

VALORES DE PROBABILIDAD MENORES QUE 0.5

Por la simetría de la distribución **t de student** , rige la igualdad $F(-x) = 1 - F(x)$. Por esa razón, la tabla sólo tiene probabilidades mayores que 0.5, asociadas a cuantiles positivos.
Si se requiere el cuantil asociado a una probabilidad acumulada P menor que 0.5, se ingresa a la tabla el valor de probabilidad acumulada $1 - P$; al correspondiente cuantil x obtenido de la tabla se le pone signo menos, quedando $-x$ como el cuartil requerido.

APROXIMACION NORMAL DE LA T DE STUDENT

Si una variable aleatoria X tiene distribución **t de student** con k grados de libertad, entonces si k es grande la variable aleatoria X tiene distribución aproximada **normal standard**.
En consecuencia, si k es grande, si se requiere la probabilidad acumulada $F(x)$ con F distribución **t de student**, se puede obtener su valor aproximado buscando en la tabla **normal** el valor $F_N(x)$, en que F_N es la distribución **normal standard**. Se puede utilizar, como criterio, la condición $k > 200$.

TABLA DE DISTRIBUCION T DE STUDENT

Grados de Libertad	Probabilidad acumulada							
	0.550	0.600	0.650	0.700	0.750	0.800	0.850	0.900
1	0.158	0.325	0.510	0.727	1.000	1.376	1.963	3.078
2	0.142	0.289	0.445	0.617	0.816	1.061	1.386	1.886
3	0.137	0.277	0.424	0.584	0.765	0.978	1.250	1.638
4	0.134	0.271	0.414	0.569	0.741	0.941	1.190	1.533
5	0.132	0.267	0.408	0.559	0.727	0.920	1.156	1.476
6	0.131	0.265	0.404	0.553	0.718	0.906	1.134	1.440
7	0.130	0.263	0.402	0.549	0.711	0.896	1.119	1.415
8	0.130	0.262	0.399	0.546	0.706	0.889	1.108	1.397
9	0.129	0.261	0.398	0.543	0.703	0.883	1.100	1.383
10	0.129	0.260	0.397	0.542	0.700	0.879	1.093	1.372
11	0.129	0.260	0.396	0.540	0.697	0.876	1.088	1.363
12	0.128	0.259	0.395	0.539	0.695	0.873	1.083	1.356
13	0.128	0.259	0.394	0.538	0.694	0.870	1.079	1.350
14	0.128	0.258	0.393	0.537	0.692	0.868	1.076	1.345
15	0.128	0.258	0.393	0.536	0.691	0.866	1.074	1.341
16	0.128	0.258	0.392	0.535	0.690	0.865	1.071	1.337
17	0.128	0.257	0.392	0.534	0.689	0.863	1.069	1.333
18	0.127	0.257	0.392	0.534	0.688	0.862	1.067	1.330
19	0.127	0.257	0.391	0.533	0.688	0.861	1.066	1.328
20	0.127	0.257	0.391	0.533	0.687	0.860	1.064	1.325
21	0.127	0.257	0.391	0.532	0.686	0.859	1.063	1.323
22	0.127	0.256	0.390	0.532	0.686	0.858	1.061	1.321
23	0.127	0.256	0.390	0.532	0.685	0.858	1.060	1.319
24	0.127	0.256	0.390	0.531	0.685	0.857	1.059	1.318
25	0.127	0.256	0.390	0.531	0.684	0.856	1.058	1.316
26	0.127	0.256	0.390	0.531	0.684	0.856	1.058	1.315
27	0.127	0.256	0.389	0.531	0.684	0.855	1.057	1.314
28	0.127	0.256	0.389	0.530	0.683	0.855	1.056	1.313
29	0.127	0.256	0.389	0.530	0.683	0.854	1.055	1.311
30	0.127	0.256	0.389	0.530	0.683	0.854	1.055	1.310
35	0.127	0.255	0.388	0.529	0.682	0.852	1.052	1.306
40	0.126	0.255	0.388	0.529	0.681	0.851	1.050	1.303
45	0.126	0.255	0.388	0.528	0.680	0.850	1.049	1.301
50	0.126	0.255	0.388	0.528	0.679	0.849	1.047	1.299
55	0.126	0.255	0.387	0.527	0.679	0.848	1.046	1.297
60	0.126	0.254	0.387	0.527	0.679	0.848	1.045	1.296
65	0.126	0.254	0.387	0.527	0.678	0.847	1.045	1.295
70	0.126	0.254	0.387	0.527	0.678	0.847	1.044	1.294
75	0.126	0.254	0.387	0.527	0.678	0.846	1.044	1.293
80	0.126	0.254	0.387	0.526	0.678	0.846	1.043	1.292
85	0.126	0.254	0.387	0.526	0.677	0.846	1.043	1.292
90	0.126	0.254	0.387	0.526	0.677	0.846	1.042	1.291
95	0.126	0.254	0.386	0.526	0.677	0.845	1.042	1.291
100	0.126	0.254	0.386	0.526	0.677	0.845	1.042	1.290
180	0.126	0.254	0.386	0.525	0.676	0.844	1.039	1.286
140	0.126	0.254	0.386	0.526	0.676	0.844	1.040	1.288
1000	0.126	0.253	0.385	0.525	0.675	0.842	1.037	1.282

DISTRIBUCION T DE STUDENT (2)

Grados de Libertad	Probabilidad acumulada						
	0.950	0.975	0.990	0.995	0.998	0.999	0.9995
1	6.314	12.71	31.82	63.66	127.3	318.3	636.6
2	2.920	4.303	6.965	9.925	14.09	22.33	31.60
3	2.353	3.182	4.541	5.841	7.453	10.21	12.92
4	2.132	2.776	3.747	4.604	5.598	7.173	8.610
5	2.015	2.571	3.365	4.032	4.773	5.893	6.869
6	1.943	2.447	3.143	3.707	4.317	5.208	5.959
7	1.895	2.365	2.998	3.499	4.029	4.785	5.408
8	1.860	2.306	2.896	3.355	3.833	4.501	5.041
9	1.833	2.262	2.821	3.250	3.690	4.297	4.781
10	1.812	2.228	2.764	3.169	3.581	4.144	4.587
11	1.796	2.201	2.718	3.106	3.497	4.025	4.437
12	1.782	2.179	2.681	3.055	3.428	3.930	4.318
13	1.771	2.160	2.650	3.012	3.372	3.852	4.221
14	1.761	2.145	2.624	2.977	3.326	3.787	4.140
15	1.753	2.131	2.602	2.947	3.286	3.733	4.073
16	1.746	2.120	2.583	2.921	3.252	3.686	4.015
17	1.740	2.110	2.567	2.898	3.222	3.646	3.965
18	1.734	2.101	2.552	2.878	3.197	3.610	3.922
19	1.729	2.093	2.539	2.861	3.174	3.579	3.883
20	1.725	2.086	2.528	2.845	3.153	3.552	3.850
21	1.721	2.080	2.518	2.831	3.135	3.527	3.819
22	1.717	2.074	2.508	2.819	3.119	3.505	3.792
23	1.714	2.069	2.500	2.807	3.104	3.485	3.768
24	1.711	2.064	2.492	2.797	3.091	3.467	3.745
25	1.708	2.060	2.485	2.787	3.078	3.450	3.725
26	1.706	2.056	2.479	2.779	3.067	3.435	3.707
27	1.703	2.052	2.473	2.771	3.057	3.421	3.690
28	1.701	2.048	2.467	2.763	3.047	3.408	3.674
29	1.699	2.045	2.462	2.756	3.038	3.396	3.659
30	1.697	2.042	2.457	2.750	3.030	3.385	3.646
35	1.690	2.030	2.438	2.724	2.996	3.340	3.591
40	1.684	2.021	2.423	2.704	2.971	3.307	3.551
45	1.679	2.014	2.412	2.690	2.952	3.281	3.520
50	1.676	2.009	2.403	2.678	2.937	3.261	3.496
55	1.673	2.004	2.396	2.668	2.925	3.245	3.476
60	1.671	2.000	2.390	2.660	2.915	3.232	3.460
65	1.669	1.997	2.385	2.654	2.906	3.220	3.447
70	1.667	1.994	2.381	2.648	2.899	3.211	3.435
75	1.665	1.992	2.377	2.643	2.892	3.202	3.425
80	1.664	1.990	2.374	2.639	2.887	3.195	3.416
85	1.663	1.988	2.371	2.635	2.882	3.189	3.409
90	1.662	1.987	2.368	2.632	2.878	3.183	3.402
95	1.661	1.985	2.366	2.629	2.874	3.178	3.396
100	1.660	1.984	2.364	2.626	2.871	3.174	3.390
140	1.656	1.977	2.353	2.611	2.852	3.149	3.361
180	1.653	1.973	2.347	2.603	2.842	3.136	3.345
1000	1.646	1.962	2.330	2.581	2.813	3.098	3.300