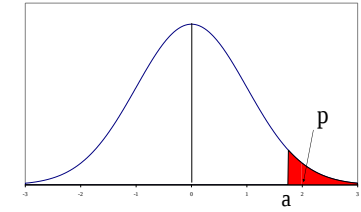


DISTRIBUCION NORMAL (0,1)

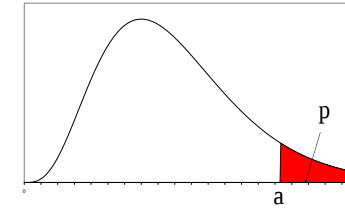
$$P(X \geq a) = p$$



	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.5000	0.4960	0.4920	0.4880	0.4840	0.4801	0.4761	0.4721	0.4681	0.4641
0.1	0.4602	0.4562	0.4522	0.4483	0.4443	0.4404	0.4364	0.4325	0.4286	0.4247
0.2	0.4207	0.4168	0.4129	0.4090	0.4052	0.4013	0.3974	0.3936	0.3897	0.3859
0.3	0.3821	0.3783	0.3745	0.3707	0.3669	0.3632	0.3594	0.3557	0.3520	0.3483
0.4	0.3446	0.3409	0.3372	0.3336	0.3300	0.3264	0.3228	0.3192	0.3156	0.3121
0.5	0.3085	0.3050	0.3015	0.2981	0.2946	0.2912	0.2877	0.2843	0.2810	0.2776
0.6	0.2743	0.2709	0.2676	0.2643	0.2611	0.2578	0.2546	0.2514	0.2483	0.2451
0.7	0.2420	0.2389	0.2358	0.2327	0.2296	0.2266	0.2236	0.2206	0.2177	0.2148
0.8	0.2119	0.2090	0.2061	0.2033	0.2005	0.1977	0.1949	0.1922	0.1894	0.1867
0.9	0.1841	0.1814	0.1788	0.1762	0.1736	0.1711	0.1685	0.1660	0.1635	0.1611
1.0	0.1587	0.1562	0.1539	0.1515	0.1492	0.1469	0.1446	0.1423	0.1401	0.1379
1.1	0.1357	0.1335	0.1314	0.1292	0.1271	0.1251	0.1230	0.1210	0.1190	0.1170
1.2	0.1151	0.1131	0.1112	0.1093	0.1075	0.1056	0.1038	0.1020	0.1003	0.0985
1.3	0.0968	0.0951	0.0934	0.0918	0.0901	0.0885	0.0869	0.0853	0.0838	0.0823
1.4	0.0808	0.0793	0.0778	0.0764	0.0749	0.0735	0.0721	0.0708	0.0694	0.0681
1.5	0.0668	0.0655	0.0643	0.0630	0.0618	0.0606	0.0594	0.0582	0.0571	0.0559
1.6	0.0548	0.0537	0.0526	0.0516	0.0505	0.0495	0.0485	0.0475	0.0465	0.0455
1.7	0.0446	0.0436	0.0427	0.0418	0.0409	0.0401	0.0392	0.0384	0.0375	0.0367
1.8	0.0359	0.0351	0.0344	0.0336	0.0329	0.0322	0.0314	0.0307	0.0301	0.0294
1.9	0.0287	0.0281	0.0274	0.0268	0.0262	0.0256	0.0250	0.0244	0.0239	0.0233
2.0	0.0228	0.0222	0.0217	0.0212	0.0207	0.0202	0.0197	0.0192	0.0188	0.0183
2.1	0.0179	0.0174	0.0170	0.0166	0.0162	0.0158	0.0154	0.0150	0.0146	0.0143
2.2	0.0139	0.0136	0.0132	0.0129	0.0125	0.0122	0.0119	0.0116	0.0113	0.0110
2.3	0.0107	0.0104	0.0102	0.0099	0.0096	0.0094	0.0091	0.0089	0.0087	0.0084
2.4	0.0082	0.0080	0.0078	0.0075	0.0073	0.0071	0.0069	0.0068	0.0066	0.0064
2.5	0.0062	0.0060	0.0059	0.0057	0.0055	0.0054	0.0052	0.0051	0.0049	0.0048
2.6	0.0047	0.0045	0.0044	0.0043	0.0041	0.0040	0.0039	0.0038	0.0037	0.0036
2.7	0.0035	0.0034	0.0033	0.0032	0.0031	0.0030	0.0029	0.0028	0.0027	0.0026
2.8	0.0026	0.0025	0.0024	0.0023	0.0023	0.0022	0.0021	0.0021	0.0020	0.0019
2.9	0.0019	0.0018	0.0018	0.0017	0.0016	0.0016	0.0015	0.0015	0.0014	0.0014

DISTRIBUCION χ^2

$$P(X \geq a) = p$$

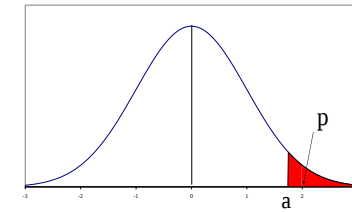


Grados de libertad	Probabilidad											
	0.995	0.99	0.975	0.95	0.90	0.80	0.20	0.10	0.05	0.025	0.01	0.005
1	0.00	0.00	0.00	0.00	0.02	0.06	1.64	2.71	3.84	5.02	6.63	7.88
2	0.01	0.02	0.05	0.10	0.21	0.45	3.22	4.61	5.99	7.38	9.21	10.60
3	0.07	0.11	0.22	0.35	0.58	1.01	4.64	6.25	7.81	9.35	11.34	12.84
4	0.21	0.30	0.48	0.71	1.06	1.65	5.99	7.78	9.49	11.14	13.28	14.86
5	0.41	0.55	0.83	1.15	1.61	2.34	7.29	9.24	11.07	12.83	15.09	16.75
6	0.68	0.87	1.24	1.64	2.20	3.07	8.56	10.64	12.59	14.45	16.81	18.55
7	0.99	1.24	1.69	2.17	2.83	3.82	9.80	12.02	14.07	16.01	18.48	20.28
8	1.34	1.65	2.18	2.73	3.49	4.59	11.03	13.36	15.51	17.53	20.09	21.95
9	1.73	2.09	2.70	3.33	4.17	5.38	12.24	14.68	16.92	19.02	21.67	23.59
10	2.16	2.56	3.25	3.94	4.87	6.18	13.44	15.99	18.31	20.48	23.21	25.19
11	2.60	3.05	3.82	4.57	5.58	6.99	14.63	17.28	19.68	21.92	24.72	26.76
12	3.07	3.57	4.40	5.23	6.30	7.81	15.81	18.55	21.03	23.34	26.22	28.30
13	3.57	4.11	5.01	5.89	7.04	8.63	16.98	19.81	22.36	24.74	27.69	29.82
14	4.07	4.66	5.63	6.57	7.79	9.47	18.15	21.06	23.68	26.12	29.14	31.32
15	4.60	5.23	6.26	7.26	8.55	10.31	19.31	22.31	25.00	27.49	30.58	32.80
16	5.14	5.81	6.91	7.96	9.31	11.15	20.47	23.54	26.30	28.85	32.00	34.27
17	5.70	6.41	7.56	8.67	10.09	12.00	21.61	24.77	27.59	30.19	33.41	35.72
18	6.26	7.01	8.23	9.39	10.86	12.86	22.76	25.99	28.87	31.53	34.81	37.16
19	6.84	7.63	8.91	10.12	11.65	13.72	23.90	27.20	30.14	32.85	36.19	38.58
20	7.43	8.26	9.59	10.85	12.44	14.58	25.04	28.41	31.41	34.17	37.57	40.00
21	8.03	8.90	10.28	11.59	13.24	15.44	26.17	29.62	32.67	35.48	38.93	41.40
22	8.64	9.54	10.98	12.34	14.04	16.31	27.30	30.81	33.92	36.78	40.29	42.80
23	9.26	10.20	11.69	13.09	14.85	17.19	28.43	32.01	35.17	38.08	41.64	44.18
24	9.89	10.86	12.40	13.85	15.66	18.06	29.55	33.20	36.42	39.36	42.98	45.56
25	10.52	11.52	13.12	14.61	16.47	18.94	30.68	34.38	37.65	40.65	44.31	46.93
26	11.16	12.20	13.84	15.38	17.29	19.82	31.79	35.56	38.89	41.92	45.64	48.29
27	11.81	12.88	14.57	16.15	18.11	20.70	32.91	36.74	40.11	43.19	46.96	49.64
28	12.46	13.56	15.31	16.93	18.94	21.59	34.03	37.92	41.34	44.46	48.28	50.99
29	13.12	14.26	16.05	17.71	19.77	22.48	35.14	39.09	42.56	45.72	49.59	52.34
30	13.79	14.95	16.79	18.49	20.60	23.36	36.25	40.26	43.77	46.98	50.89	53.67

DISTRIBUCION t DE STUDENT

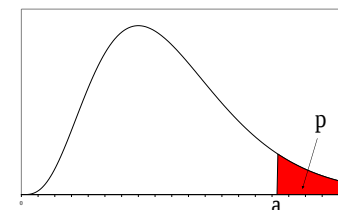
$$P(X \geq a) = p$$

Grados de libertad	Probabilidad					
	0.20	0.10	0.05	0.025	0.01	0.005
1	1.3764	3.0777	6.3138	12.7062	31.8205	63.6567
2	1.0607	1.8856	2.9200	4.3027	6.9646	9.9248
3	0.9785	1.6377	2.3534	3.1824	4.5407	5.8409
4	0.9410	1.5332	2.1318	2.7764	3.7469	4.6041
5	0.9195	1.4759	2.0150	2.5706	3.3649	4.0321
6	0.9057	1.4398	1.9432	2.4469	3.1427	3.7074
7	0.8960	1.4149	1.8946	2.3646	2.9980	3.4995
8	0.8889	1.3968	1.8595	2.3060	2.8965	3.3554
9	0.8834	1.3830	1.8331	2.2622	2.8214	3.2498
10	0.8791	1.3722	1.8125	2.2281	2.7638	3.1693
11	0.8755	1.3634	1.7959	2.2010	2.7181	3.1058
12	0.8726	1.3562	1.7823	2.1788	2.6810	3.0545
13	0.8702	1.3502	1.7709	2.1604	2.6503	3.0123
14	0.8681	1.3450	1.7613	2.1448	2.6245	2.9768
15	0.8662	1.3406	1.7531	2.1314	2.6025	2.9467
16	0.8647	1.3368	1.7459	2.1199	2.5835	2.9208
17	0.8633	1.3334	1.7396	2.1098	2.5669	2.8982
18	0.8620	1.3304	1.7341	2.1009	2.5524	2.8784
19	0.8610	1.3277	1.7291	2.0930	2.5395	2.8609
20	0.8600	1.3253	1.7247	2.0860	2.5280	2.8453
21	0.8591	1.3232	1.7207	2.0796	2.5176	2.8314
22	0.8583	1.3212	1.7171	2.0739	2.5083	2.8188
23	0.8575	1.3195	1.7139	2.0687	2.4999	2.8073
24	0.8569	1.3178	1.7109	2.0639	2.4922	2.7969
25	0.8562	1.3163	1.7081	2.0595	2.4851	2.7874
26	0.8557	1.3150	1.7056	2.0555	2.4786	2.7787
27	0.8551	1.3137	1.7033	2.0518	2.4727	2.7707
28	0.8546	1.3125	1.7011	2.0484	2.4671	2.7633
29	0.8542	1.3114	1.6991	2.0452	2.4620	2.7564
30	0.8538	1.3104	1.6973	2.0423	2.4573	2.7500



DISTRIBUCION F

$$P(X \geq a) = p$$



5 %

G. de L. del denominador		Grados de libertad del numerador														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161.45	199.50	215.71	224.58	230.16	233.99	236.77	238.88	240.54	241.88	242.98	243.91	244.69	245.36	245.95	246.43
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70	8.69
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86	5.85
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62	4.61
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94	3.93
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51	3.50
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22	3.21
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01	3.00
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85	2.84
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72	2.71
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62	2.61
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53	2.52
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46	2.45
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40	2.39

2.5 %

G. de L. del denominador		Grados de libertad del numerador														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	647.79	799.50	864.16	899.58	921.85	937.11	948.22	956.66	963.28	968.63	973.03	976.71	979.84	982.53	984.87	986.43
2	38.51	39.00	39.17	39.25	39.30	39.33	39.36	39.37	39.39	39.40	39.41	39.41	39.42	39.43	39.43	39.43
3	17.44	16.04	15.44	15.10	14.88	14.73	14.62	14.54	14.47	14.42	14.37	14.34	14.30	14.28	14.25	14.23
4	12.22	10.65	9.98	9.60	9.36	9.20	9.07	8.98	8.90	8.84	8.79	8.75	8.71	8.68	8.66	8.64
5	10.01	8.43	7.76	7.39	7.15	6.98	6.85	6.76	6.68	6.62	6.57	6.52	6.49	6.46	6.43	6.41
6	8.81	7.26	6.60	6.23	5.99	5.82	5.70	5.60	5.52	5.46	5.41	5.37	5.33	5.30	5.27	5.25
7	8.07	6.54	5.89	5.52	5.29	5.12	4.99	4.90	4.82	4.76	4.71	4.67	4.63	4.60	4.57	4.55
8	7.57	6.06	5.42	5.05	4.82	4.65	4.53	4.43	4.36	4.30	4.24	4.20	4.16	4.13	4.10	4.08
9	7.21	5.71	5.08	4.72	4.48	4.32	4.20	4.10	4.03	3.96	3.91	3.87	3.83	3.80	3.77	3.75
10	6.94	5.46	4.83	4.47	4.24	4.07	3.95	3.85	3.78	3.72	3.66	3.62	3.58	3.55	3.52	3.50
11	6.72	5.26	4.63	4.28	4.04	3.88	3.76	3.66	3.59	3.53	3.47	3.43	3.39	3.36	3.33	3.31
12	6.55	5.10	4.47	4.12	3.89	3.73	3.61	3.51	3.44	3.37	3.32	3.28	3.24	3.21	3.18	3.16
13	6.41	4.97	4.35	4.00	3.77	3.60	3.48	3.39	3.31	3.25	3.20	3.15	3.12	3.08	3.05	3.03
14	6.30	4.86	4.24	3.89	3.66	3.50	3.38	3.29	3.21	3.15	3.09	3.05	3.01	2.98	2.95	2.93
15	6.20	4.77	4.15	3.80	3.58	3.41	3.29	3.20	3.12	3.06	3.01	2.96	2.92	2.89	2.86	2.84