

TABLE C: Chi-Square distributions

cum probability	0.025	0.80	0.90	0.95	0.975	0.99	0.995	0.999	0.9995
right tail	0.975	0.2	0.1	0.05	0.025	0.01	0.005	0.001	0.0005
df									
1	0.00098	1.64	2.71	3.84	5.02	6.63	7.88	10.83	12.12
2	0.051	3.22	4.61	5.99	7.38	9.21	10.60	13.82	15.20
3	0.216	4.64	6.25	7.81	9.35	11.34	12.84	16.27	17.73
4	0.48	5.99	7.78	9.49	11.14	13.28	14.86	18.47	20.00
5	0.83	7.29	9.24	11.07	12.83	15.09	16.75	20.51	22.11
6	1.24	8.56	10.64	12.59	14.45	16.81	18.55	22.46	24.10
7	1.69	9.80	12.02	14.07	16.01	18.48	20.28	24.32	26.02
8	2.18	11.03	13.36	15.51	17.53	20.09	21.95	26.12	27.87
9	2.70	12.24	14.68	16.92	19.02	21.67	23.59	27.88	29.67
10	3.25	13.44	15.99	18.31	20.48	23.21	25.19	29.59	31.42
11	3.82	14.63	17.28	19.68	21.92	24.73	26.76	31.26	33.14
12	4.40	15.81	18.55	21.03	23.34	26.22	28.30	32.91	34.82
13	5.01	16.98	19.81	22.36	24.74	27.69	29.82	34.53	36.48
14	5.63	18.15	21.06	23.68	26.12	29.14	31.32	36.12	38.11
15	6.26	19.31	22.31	25.00	27.49	30.58	32.80	37.70	39.72
16	6.91	20.47	23.54	26.30	28.85	32.00	34.27	39.25	41.31
17	7.56	21.61	24.77	27.59	30.19	33.41	35.72	40.79	42.88
18	8.23	22.76	25.99	28.87	31.53	34.81	37.16	42.31	44.43
19	8.91	23.90	27.20	30.14	32.85	36.19	38.58	43.82	45.97
20	9.59	25.04	28.41	31.41	34.17	37.57	40.00	45.31	47.50
21	10.28	26.17	29.62	32.67	35.48	38.93	41.40	46.80	49.01
22	10.98	27.30	30.81	33.92	36.78	40.29	42.80	48.27	50.51
23	11.69	28.43	32.01	35.17	38.08	41.64	44.18	49.73	52.00
24	12.40	29.55	33.20	36.42	39.36	42.98	45.56	51.18	53.48
25	13.12	30.68	34.38	37.65	40.65	44.31	46.93	52.62	54.95
30	16.79	36.25	40.26	43.77	46.98	50.89	53.67	59.70	62.16
40	24.43	47.27	51.81	55.76	59.34	63.69	66.77	73.40	76.10
50	32.36	58.16	63.17	67.50	71.42	76.15	79.49	86.66	89.56
60	40.48	68.97	74.40	79.08	83.30	88.38	91.95	99.61	102.7
80	57.15	90.41	96.58	101.9	106.6	112.3	116.3	124.8	128.3
100	74.22	111.7	118.5	124.3	129.6	135.8	140.2	149.4	153.2