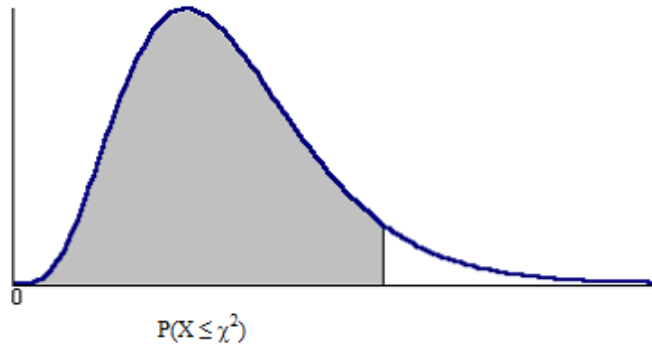


Appendix V

Percentiles of the Chi square distribution



df	$\chi^2_{0.005}$	$\chi^2_{0.025}$	$\chi^2_{0.05}$	$\chi^2_{0.90}$	$\chi^2_{0.95}$	$\chi^2_{0.975}$	$\chi^2_{0.99}$	$\chi^2_{0.995}$
1.0	0.00004	0.00098	0.00393	2.70600	3.84100	5.02400	6.63500	7.87900
2.0	0.01000	0.05060	0.10300	4.60500	5.99100	7.37800	9.21000	10.59700
3.0	0.07170	0.21600	0.35200	6.25100	7.81500	9.34800	11.34500	12.83800
4.0	0.20700	0.48400	0.71100	7.77900	9.48800	11.14300	13.27700	14.86000
5.0	0.41200	0.83100	1.14500	9.23600	11.07000	12.83200	15.08600	16.75000
6.0	0.67600	1.23700	1.63500	10.64500	12.59200	14.44900	16.81200	18.54800
7.0	0.98900	1.69000	2.16700	12.01700	14.06700	16.01300	18.47500	20.27800
8.0	1.34400	2.18000	2.73300	13.36200	15.50700	17.53500	20.09000	21.95500
9.0	1.73500	2.70000	3.32500	14.68400	16.91900	19.02300	21.66600	23.58900
10.0	2.15600	3.24700	3.94000	15.98700	18.30700	20.48300	23.20900	25.18800
11.0	2.60300	3.81600	4.57500	17.27500	19.67500	21.92000	24.72500	26.75700
12.0	3.07400	4.40400	5.22600	18.54900	21.02600	23.33600	26.21700	28.30000
13.0	3.56500	5.00900	5.89200	19.81200	22.36200	24.73600	27.68800	29.81900
14.0	4.07500	5.62900	6.57100	21.06400	23.68500	26.11900	29.14100	31.31900
15.0	4.60100	6.26200	7.26100	22.30700	24.99600	27.48800	30.57800	32.80100
16.0	5.14200	6.90800	7.96200	23.54200	26.29600	28.84500	32.00000	34.26700
17.0	5.69700	7.56400	8.67200	24.76900	27.58700	30.19100	33.40900	35.71800
18.0	6.26500	8.23100	9.39000	25.98900	28.86900	31.52600	34.80500	37.15600
19.0	6.84400	8.90700	10.11700	27.20400	30.14400	32.85200	36.19100	38.58200
20.0	7.43400	9.59100	10.85100	28.41200	31.41000	34.17000	37.56600	39.99700
21.0	8.03400	10.28300	11.59100	29.61500	32.67100	35.47900	38.93200	41.40100
22.0	8.64300	10.98200	12.33800	30.81300	33.92400	36.78100	40.28900	42.79600
23.0	9.26000	11.68800	13.09100	32.00700	35.17200	38.07600	41.63800	44.18100
24.0	9.88600	12.40100	13.84800	33.19600	36.41500	39.36400	42.98000	45.55800
25.0	10.52000	13.12000	14.61100	34.38200	37.65200	40.64600	44.31400	46.92800
26.0	11.16000	13.84400	15.37900	35.56300	38.88500	41.92300	45.64200	48.29000
27.0	11.80800	14.57300	16.15100	36.74100	40.11300	43.19400	46.96300	49.64500
28.0	12.46100	15.30800	16.92800	37.91600	41.33700	44.46100	48.27800	50.99300
29.0	13.12100	16.04700	17.70800	39.08700	42.55700	45.72200	49.58800	52.33600
30.0	13.78700	16.79100	18.49300	40.25600	43.77300	46.97900	50.89200	53.67200
35.0	17.19200	20.56900	22.46500	46.05900	49.80200	53.20200	57.34200	60.27500
40.0	20.70700	24.43300	26.50900	51.80500	55.75800	59.34200	63.69100	66.76600
45.0	24.31100	28.36600	30.61200	57.50500	61.65600	65.41000	69.95700	73.16600
50.0	27.99100	32.35700	34.76400	63.16700	67.50500	71.42000	76.15400	79.49000
60.0	35.53500	40.48200	43.18800	74.39700	79.08200	83.29800	88.37900	91.95200
70.0	43.27500	48.75800	51.73900	85.52700	90.53100	95.02300	100.42500	104.21500
80.0	51.17200	57.15300	60.39100	96.57800	101.87900	106.62900	112.32900	116.32100
90.0	59.19600	65.64700	69.12600	107.56500	113.14500	118.13600	124.11600	128.29900
100.0	67.32800	74.22200	77.92900	118.49800	124.34200	129.56100	135.80700	140.16900