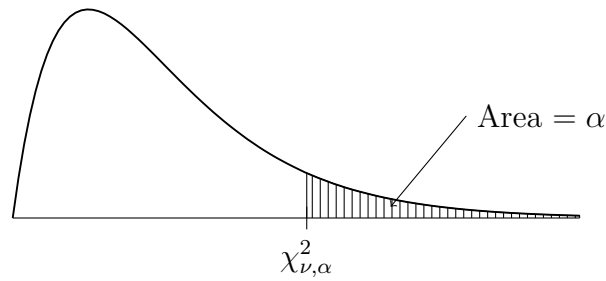


## Upper tail probabilities of chi-square distributions



$\nu$	$\alpha$							
	0.995	0.990	0.975	0.950	0.050	0.025	0.010	0.005
1	0.0000	0.0002	0.0010	0.0039	3.8415	5.0239	6.6349	7.8794
2	0.0100	0.0201	0.0506	0.1026	5.9915	7.3778	9.2103	10.5966
3	0.0717	0.1148	0.2158	0.3518	7.8147	9.3484	11.3449	12.8382
4	0.2070	0.2971	0.4844	0.7107	9.4877	11.1433	13.2767	14.8603
5	0.4117	0.5543	0.8312	1.1455	11.0705	12.8325	15.0863	16.7496
6	0.6757	0.8721	1.2373	1.6354	12.5916	14.4494	16.8119	18.5476
7	0.9893	1.2390	1.6899	2.1673	14.0671	16.0128	18.4753	20.2777
8	1.3444	1.6465	2.1797	2.7326	15.5073	17.5345	20.0902	21.9550
9	1.7349	2.0879	2.7004	3.3251	16.9190	19.0228	21.6660	23.5894
10	2.1559	2.5582	3.2470	3.9403	18.3070	20.4832	23.2093	25.1882
11	2.6032	3.0535	3.8157	4.5748	19.6751	21.9200	24.7250	26.7568
12	3.0738	3.5706	4.4038	5.2260	21.0261	23.3367	26.2170	28.2995
13	3.5650	4.1069	5.0088	5.8919	22.3620	24.7356	27.6882	29.8195
14	4.0747	4.6604	5.6287	6.5706	23.6848	26.1189	29.1412	31.3193
15	4.6009	5.2293	6.2621	7.2609	24.9958	27.4884	30.5779	32.8013
16	5.1422	5.8122	6.9077	7.9616	26.2962	28.8454	31.9999	34.2672
17	5.6972	6.4078	7.5642	8.6718	27.5871	30.1910	33.4087	35.7185
18	6.2648	7.0149	8.2307	9.3905	28.8693	31.5264	34.8053	37.1565
19	6.8440	7.6327	8.9065	10.1170	30.1435	32.8523	36.1909	38.5823
20	7.4338	8.2604	9.5908	10.8508	31.4104	34.1696	37.5662	39.9968
21	8.0337	8.8972	10.2829	11.5913	32.6706	35.4789	38.9322	41.4011
22	8.6427	9.5425	10.9823	12.3380	33.9244	36.7807	40.2894	42.7957
23	9.2604	10.1957	11.6886	13.0905	35.1725	38.0756	41.6384	44.1813
24	9.8862	10.8564	12.4012	13.8484	36.4150	39.3641	42.9798	45.5585
25	10.5197	11.5240	13.1197	14.6114	37.6525	40.6465	44.3141	46.9279
26	11.1602	12.1981	13.8439	15.3792	38.8851	41.9232	45.6417	48.2899
27	11.8076	12.8785	14.5734	16.1514	40.1133	43.1945	46.9629	49.6449
28	12.4613	13.5647	15.3079	16.9279	41.3371	44.4608	48.2782	50.9934
29	13.1211	14.2565	16.0471	17.7084	42.5570	45.7223	49.5879	52.3356
30	13.7867	14.9535	16.7908	18.4927	43.7730	46.9792	50.8922	53.6720