

Chi-square Critical Values

<i>df</i>	Probability of exceeding the critical value					
	0.15	0.10	0.05	0.01	0.005	0.001
1	2.072	2.706	3.841	6.635	7.879	10.828
2	3.794	4.605	5.991	9.210	10.597	13.816
3	5.317	6.251	7.815	11.345	12.838	16.266
4	6.745	7.779	9.488	13.277	14.860	18.467
5	8.115	9.236	11.070	15.086	16.750	20.515
6	9.446	10.645	12.592	16.812	18.548	22.458
7	10.748	12.017	14.067	18.475	20.278	24.322
8	12.027	13.362	15.507	20.090	21.955	26.124
9	13.288	14.684	16.919	21.666	23.589	27.877
10	14.534	15.987	18.307	23.209	25.188	29.588
11	15.767	17.275	19.675	24.725	26.757	31.264
12	16.989	18.549	21.026	26.217	28.300	32.909
13	18.202	19.812	22.362	27.688	29.819	34.528
14	19.406	21.064	23.685	29.141	31.319	36.123
15	20.603	22.307	24.996	30.578	32.801	37.697
16	21.793	23.542	26.296	32.000	34.267	39.252
17	22.977	24.769	27.587	33.409	35.718	40.790
18	24.155	25.989	28.869	34.805	37.156	42.312
19	25.329	27.204	30.144	36.191	38.582	43.820
20	26.498	28.412	31.410	37.566	39.997	45.315
21	27.662	29.615	32.671	38.932	41.401	46.797
22	28.822	30.813	33.924	40.289	42.796	48.268
23	29.979	32.007	35.172	41.638	44.181	49.728
24	31.132	33.196	36.415	42.980	45.559	51.179
25	32.282	34.382	37.652	44.314	46.928	52.620
26	33.429	35.563	38.885	45.642	48.290	54.052
27	34.574	36.741	40.113	46.963	49.645	55.476
28	35.715	37.916	41.337	48.278	50.993	56.892
29	36.854	39.087	42.557	49.588	52.336	58.301
30	37.990	40.256	43.773	50.892	53.672	59.703