

卡方检验临界值表

自由度	显著性水平 (α)					
	0.50	0.25	0.10	0.05	0.03	0.01
1	0.455	1.323	2.706	3.841	5.024	6.635
2	1.386	2.773	4.605	5.991	7.378	9.210
3	2.366	4.108	6.251	7.815	9.348	11.345
4	3.357	5.385	7.779	9.488	11.143	13.277
5	4.351	6.626	9.236	11.070	12.833	15.086
6	5.348	7.841	10.645	12.592	14.449	16.812
7	6.346	9.037	12.017	14.067	16.013	18.475
8	7.344	10.219	13.362	15.507	17.535	20.090
9	8.343	11.389	14.684	16.919	19.023	21.666
10	9.342	12.549	15.987	18.307	20.483	23.209
11	10.341	13.701	17.275	19.675	21.920	24.725
12	11.340	14.845	18.549	21.026	23.337	26.217
13	12.340	15.984	19.812	22.362	24.736	27.688
14	13.339	17.117	21.064	23.685	26.119	29.141
15	14.339	18.245	22.307	24.996	27.488	30.578
16	15.338	19.369	23.542	26.296	28.845	32.000
17	16.338	20.489	24.769	27.587	30.191	33.409
18	17.338	21.605	25.989	28.869	31.526	34.805
19	18.338	22.718	27.204	30.144	32.852	36.191
20	19.337	23.828	28.412	31.410	34.170	37.566
21	20.337	24.935	29.615	32.671	35.479	38.932
22	21.337	26.039	30.813	33.924	36.781	40.289
23	22.337	27.141	32.007	35.172	38.076	41.638
24	23.337	28.241	33.196	36.415	39.364	42.980
25	24.337	29.339	34.382	37.652	40.646	44.314
26	25.336	30.435	35.563	38.885	41.923	45.642
27	26.336	31.528	36.741	40.113	43.195	46.963
28	27.336	32.620	37.916	41.337	44.461	48.278
29	28.336	33.711	39.087	42.557	45.722	49.588
30	29.336	34.800	40.256	43.773	46.979	50.892
31	30.336	35.887	41.422	44.985	48.232	52.191
32	31.336	36.973	42.585	46.194	49.480	53.486
33	32.336	38.058	43.745	47.400	50.725	54.776
34	33.336	39.141	44.903	48.602	51.966	56.061
35	34.336	40.223	46.059	49.802	53.203	57.342
36	35.336	41.304	47.212	50.998	54.437	58.619
37	36.336	42.383	48.363	52.192	55.668	59.893
38	37.335	43.462	49.513	53.384	56.896	61.162
39	38.335	44.539	50.660	54.572	58.120	62.428
40	39.335	45.616	51.805	55.758	59.342	63.691
41	40.335	46.692	52.949	56.942	60.561	64.950
42	41.335	47.766	54.090	58.124	61.777	66.206
43	42.335	48.840	55.230	59.304	62.990	67.459
44	43.335	49.913	56.369	60.481	64.201	68.710

45	44.335	50.985	57.505	61.656	65.410	69.957
46	45.335	52.056	58.641	62.830	66.617	71.201
47	46.335	53.127	59.774	64.001	67.821	72.443
48	47.335	54.196	60.907	65.171	69.023	73.683
49	48.335	55.265	62.038	66.339	70.222	74.919
50	49.335	56.334	63.167	67.505	71.420	76.154
51	50.335	57.401	64.295	68.669	72.616	77.386
52	51.335	58.468	65.422	69.832	73.810	78.616
53	52.335	59.534	66.548	70.993	75.002	79.843
54	53.335	60.600	67.673	72.153	76.192	81.069
55	54.335	61.665	68.796	73.311	77.380	82.292
56	55.335	62.729	69.919	74.468	78.567	83.513
57	56.335	63.793	71.040	75.624	79.752	84.733
58	57.335	64.857	72.160	76.778	80.936	85.950
59	58.335	65.919	73.279	77.931	82.117	87.166
60	59.335	66.981	74.397	79.082	83.298	88.379
61	60.335	68.043	75.514	80.232	84.476	89.591
62	61.335	69.104	76.630	81.381	85.654	90.802
63	62.335	70.165	77.745	82.529	86.830	92.010
64	63.335	71.225	78.860	83.675	88.004	93.217
65	64.335	72.285	79.973	84.821	89.177	94.422
66	65.335	73.344	81.085	85.965	90.349	95.626
67	66.335	74.403	82.197	87.108	91.519	96.828
68	67.335	75.461	83.308	88.250	92.689	98.028
69	68.334	76.519	84.418	89.391	93.856	99.228
70	69.334	77.577	85.527	90.531	95.023	100.425
71	70.334	78.634	86.635	91.670	96.189	101.621
72	71.334	79.690	87.743	92.808	97.353	102.816
73	72.334	80.747	88.850	93.945	98.516	104.010
74	73.334	81.803	89.956	95.081	99.678	105.202
75	74.334	82.858	91.061	96.217	100.839	106.393
76	75.334	83.913	92.166	97.351	101.999	107.583
77	76.334	84.968	93.270	98.484	103.158	108.771
78	77.334	86.022	94.374	99.617	104.316	109.958
79	78.334	87.077	95.476	100.749	105.473	111.144
80	79.334	88.130	96.578	101.879	106.629	112.329
81	80.334	89.184	97.680	103.010	107.783	113.512
82	81.334	90.237	98.780	104.139	108.937	114.695
83	82.334	91.289	99.880	105.267	110.090	115.876
84	83.334	92.342	100.980	106.395	111.242	117.057
85	84.334	93.394	102.079	107.522	112.393	118.236
86	85.334	94.446	103.177	108.648	113.544	119.414
87	86.334	95.497	104.275	109.773	114.693	120.591
88	87.334	96.548	105.372	110.898	115.841	121.767
89	88.334	97.599	106.469	112.022	116.989	122.942
90	89.334	98.650	107.565	113.145	118.136	124.116
91	90.334	99.700	108.661	114.268	119.282	125.289
92	91.334	100.750	109.756	115.390	120.427	126.462
93	92.334	101.800	110.850	116.511	121.571	127.633
94	93.334	102.850	111.944	117.632	122.715	128.803

95	94.334	103.899	113.038	118.752	123.858	129.973
96	95.334	104.948	114.131	119.871	125.000	131.141
97	96.334	105.997	115.223	120.990	126.141	132.309
98	97.334	107.045	116.315	122.108	127.282	133.476
99	98.334	108.093	117.407	123.225	128.422	134.642
100	99.334	109.141	118.498	124.342	129.561	135.807
101	100.334	110.189	119.589	125.458	130.700	136.971
102	101.334	111.236	120.679	126.574	131.838	138.134
103	102.334	112.284	121.769	127.689	132.975	139.297
104	103.334	113.331	122.858	128.804	134.111	140.459
105	104.334	114.378	123.947	129.918	135.247	141.620
106	105.334	115.424	125.035	131.031	136.382	142.780
107	106.334	116.471	126.123	132.144	137.517	143.940
108	107.334	117.517	127.211	133.257	138.651	145.099
109	108.334	118.563	128.298	134.369	139.784	146.257
110	109.334	119.608	129.385	135.480	140.917	147.414
111	110.334	120.654	130.472	136.591	142.049	148.571
112	111.334	121.699	131.558	137.701	143.180	149.727
113	112.334	122.744	132.643	138.811	144.311	150.882
114	113.334	123.789	133.729	139.921	145.441	152.037
115	114.334	124.834	134.813	141.030	146.571	153.191
116	115.334	125.878	135.898	142.138	147.700	154.344
117	116.334	126.923	136.982	143.246	148.829	155.496
118	117.334	127.967	138.066	144.354	149.957	156.648
119	118.334	129.011	139.149	145.461	151.084	157.800
120	119.334	130.055	140.233	146.567	152.211	158.950

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