

ตาราง Chi-Square

df	ระดับนัยสำคัญ														
	0.999	0.99	0.95	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.01	0.001
1	0.000002	0.000157	0.003932	0.015791	0.064	0.148	0.275	0.455	0.708	1.074	1.642	2.706	3.841	6.635	10.827
2	0.00200	0.02010	0.103	0.211	0.446	0.713	1.022	1.386	1.833	2.408	3.219	4.605	5.991	9.210	13.815
3	0.024	0.115	0.352	0.584	1.005	1.424	1.869	2.366	2.946	3.665	4.642	6.251	7.815	11.345	16.266
4	0.091	0.297	0.711	1.064	1.649	2.195	2.753	3.357	4.045	4.878	5.989	7.779	9.488	13.277	18.466
5	0.210	0.554	1.145	1.610	2.343	3.000	3.656	4.351	5.132	6.064	7.289	9.236	11.070	15.086	20.515
6	0.381	0.872	1.635	2.204	3.070	3.828	4.570	5.348	6.211	7.231	8.558	10.645	12.592	16.812	22.457
7	0.599	1.239	2.167	2.833	3.822	4.671	5.493	6.346	7.283	8.383	9.803	12.017	14.067	18.475	24.321
8	0.857	1.647	2.733	3.490	4.594	5.527	6.423	7.344	8.351	9.524	11.030	13.362	15.507	20.090	26.124
9	1.152	2.088	3.325	4.168	5.380	6.393	7.357	8.343	9.414	10.656	12.242	14.684	16.919	21.666	27.877
10	1.479	2.558	3.940	4.865	6.179	7.267	8.295	9.342	10.473	11.781	13.442	15.987	18.307	23.209	29.588
11	1.834	3.053	4.575	5.578	6.989	8.148	9.237	10.341	11.530	12.899	14.631	17.275	19.675	24.725	31.264
12	2.214	3.571	5.226	6.304	7.807	9.034	10.182	11.340	12.584	14.011	15.812	18.549	21.026	26.217	32.909
13	2.617	4.107	5.892	7.041	8.634	9.926	11.129	12.340	13.636	15.119	16.985	19.812	22.362	27.688	34.527
14	3.041	4.660	6.571	7.790	9.467	10.821	12.078	13.339	14.685	16.222	18.151	21.064	23.685	29.141	36.124
15	3.483	5.229	7.261	8.547	10.307	11.721	13.030	14.339	15.733	17.322	19.311	22.307	24.996	30.578	37.698
16	3.942	5.812	7.962	9.312	11.152	12.624	13.983	15.338	16.780	18.418	20.465	23.542	26.296	32.000	39.252
17	4.416	6.408	8.672	10.085	12.002	13.531	14.937	16.338	17.824	19.511	21.615	24.769	27.587	33.409	40.791
18	4.905	7.015	9.390	10.865	12.857	14.440	15.893	17.338	18.868	20.601	22.760	25.989	28.869	34.805	42.312
19	5.407	7.633	10.117	11.651	13.716	15.352	16.850	18.338	19.910	21.689	23.900	27.204	30.144	36.191	43.819
20	5.921	8.260	10.851	12.443	14.578	16.266	17.809	19.337	20.951	22.775	25.038	28.412	31.410	37.566	45.314

ตาราง Chi-Square (ต่อ)

df	ระดับนัยสำคัญ														
	0.999	0.99	0.95	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.01	0.001
21	6.447	8.897	11.591	13.240	15.445	17.182	18.768	20.337	21.992	23.858	26.171	29.615	32.671	38.932	46.796
22	6.983	9.542	12.338	14.041	16.314	18.101	19.729	21.337	23.031	24.939	27.301	30.813	33.924	40.289	48.268
23	7.529	10.196	13.091	14.848	17.187	19.021	20.690	22.337	24.069	26.018	28.429	32.007	35.172	41.638	49.728
24	8.085	10.856	13.848	15.659	18.062	19.943	21.652	23.337	25.106	27.096	29.553	33.196	36.415	42.980	51.179
25	8.649	11.524	14.611	16.473	18.940	20.867	22.616	24.337	26.143	28.172	30.675	34.382	37.652	44.314	52.619
26	9.222	12.198	15.379	17.292	19.820	21.792	23.579	25.336	27.179	29.246	31.795	35.563	38.885	45.642	54.051
27	9.803	12.878	16.151	18.114	20.703	22.719	24.544	26.336	28.214	30.319	32.912	36.741	40.113	46.963	55.475
28	10.391	13.565	16.928	18.939	21.588	23.647	25.509	27.336	29.249	31.391	34.027	37.916	41.337	48.278	56.892
29	10.986	14.256	17.708	19.768	22.475	24.577	26.475	28.336	30.283	32.461	35.139	39.087	42.557	49.588	58.301
30	11.588	14.953	18.493	20.599	23.364	25.508	27.442	29.336	31.316	33.530	36.250	40.256	43.773	50.892	59.702
40	17.917	22.164	26.509	29.051	32.345	34.872	37.134	39.335	41.622	44.165	47.269	51.805	55.758	63.691	73.403
50	24.674	29.707	34.764	37.689	41.449	44.313	46.864	49.335	51.892	54.723	58.164	63.167	67.505	76.154	86.660
60	31.738	37.485	43.188	46.459	50.641	53.809	56.620	59.335	62.135	65.226	68.972	74.397	79.082	88.379	99.608
70	39.036	45.442	51.739	55.329	59.898	63.346	66.396	69.334	72.358	75.689	79.715	85.527	90.531	100.425	112.317
80	46.520	53.540	60.391	64.278	69.207	72.915	76.188	79.334	82.566	86.120	90.405	96.578	101.879	112.329	124.839
90	54.156	61.754	69.126	73.291	78.558	82.511	85.993	89.334	92.761	96.524	101.054	107.565	113.145	124.116	137.208
100	61.918	70.065	77.929	82.358	87.945	92.129	95.808	99.334	102.946	106.906	111.667	118.498	124.342	135.807	149.449
500	407.946	429.387	449.147	459.926	473.210	482.946	491.371	499.334	507.382	516.087	526.401	540.930	553.127	576.493	603.446