Chi Squared Analysis	Chi Squared Value	P-value	dof	Array
1	1.33968254	0.5117898	2	[[4.5 10. 10.5]
2	2.223255814	0.3290229	2	[[1. 21.5 2.5]
3	1.36036036	0.5065257	2	[[0.5 6. 18.5]
4	8.515151515	0.0744293	4	[[2.5 11. 4.5 1. 6.]
5	0.356589147	0.8366959	2	[[2. 1.5 21.5]
6	1.024390244	0.5991789	2	[[0.5 4. 20.5]
7	0.195488722	0.9068807	2	[[9.5 12. 3.5]
8	0.520833333	0.4704864	1	[[24. 1.]
9	0.356589147	0.8366959	2	[[2. 1.5 21.5]
10	0.664451827	0.4149927	1	[[21.5 3.5]
11	7.023255814	0.0711602	3	[[1.5 1.5 21.5 0.5]
12	2.223255814	0.5273822	3	[[2.5 0.5 0.5 21.5]
13	0.356589147	0.8366959	2	[[1.5 2. 21.5]
14	0	1	1	[[3.5 21.5]
15	0.223255814	0.894377	2	[[2.5 1. 21.5]
16	0	1	1	[[21.5 3.5]
17	3.219512195	0.1999364	2	[[20.5 4. 0.5]
18	0.466666667	0.7918896	2	[[4. 15. 6.]
19	1.643243243	0.6496249	3	[[1. 18.5 5. 0.5]
20	2.337254902	0.3107932	2	[[15. 8.5 1.5]
21	2.337254902	0.3107932	2	[[1.5 8.5 15.]
22	0.223255814	0.894377	2	[[2.5 1. 21.5]
23	1.058823529	0.5889513	2	[[8.5 11. 5.5]
24	1.384615385	0.5004199	2	[[6.5 12. 6.5]
25	0	1	1	[[3.5 21.5]
26	2.277432712	0.3202298	2	[[3. 10.5 11.5]
27	2.022222222	0.3638145	2	[[0.5 2. 22.5]
28	0	1	1	[[3.5 21.5]
29	4.285714286	0.2322191	3	[[1. 0.5 3.5 20.]
30	2.2	0.5319484	3	[[9. 7.5 2.5 6.]
31	0	1	1	[[0.5 24.5]
32	0.201680672	0.9773175	3	[[1. 3.5 12. 8.5]
33	0.356589147	0.9490567	3	[[1. 1.5 21.5 1.]
34	1.023255814	0.5995188	2	[[0.5 3. 21.5]
35	2.223255814	0.5273822	3	[[0.5 2.5 0.5 21.5]
36	1.024390244	0.5991789	2	[[0.5 4. 20.5]
37	2.023255814	0.5675939	3	[[1. 2. 21.5 0.5]
38	0.520833333	0.4704864	1	[[1. 24.]
39	0.356589147	0.8366959	2	[[1.5 21.5 2.]
40	1.689922481	0.6391766	3	[[1.5 1.5 0.5 21.5]
41	1.356589147	0.5074817	2	[[2. 1.5 21.5]
42	1.023255814	0.795625	3	[[0.5 2. 21.5 1.]
43	4.116666667	0.2491387	3	[[1.5 15. 8. 0.5]
44	1.689922481	0.429574	2	[[0.5 3. 21.5]
45	4.090909091	0.2518134	3	[[1. 16.5 6. 1.5]
46	1.689922481	0.429574	2	[[0.5 3. 21.5]

47	1.689922481	0.429574	2 [[0.5 3. 21.5]
48	1.023255814	0.795625	3 [[1. 2. 0.5 21.5]
49	2.19047619	0.33446	2 [[12.5 10.5 2.]
50	4.333333333	0.3627697	4 [[9. 2.5 5. 2.5 6.]
51	1.689922481	0.6391766	3 [[0.5 1.5 1.5 21.5]
52	1.923444976	0.3822339	2 [[0.5 5.5 19.]
53	2.327272727	0.3123483	2 [[9. 11. 5.]
54	2.223255814	0.5273822	3 [[0.5 2.5 21.5 0.5]
55	2.912068966	0.233159	2 [[2.5 8. 14.5]
56	1.454545455	0.4832251	2 [[3. 11. 11.]
57	3.760910816	0.1525206	2 [[15.5 8.5 1.]
58	0.356589147	0.9490567	3 [[1. 1.5 21.5 1.]
59	1.689922481	0.429574	2 [[3. 0.5 21.5]
60	1.689922481	0.6391766	3 [[1.5 1.5 0.5 21.5]
61	0.795238095	0.6719179	2 [[10.5 12. 2.5]
62	2.63030303	0.2684336	2 [[1. 7.5 16.5]
63	3.34479638	0.3414563	3 [[1. 2.5 8.5 13.]
64	3.065934066	0.2158942	2 [[4.5 14. 6.5]
65	4.191632928	0.2415009	3 [[1. 1.5 9.5 13.]
66	3.823255814	0.1478395	2 [[2.5 1. 21.5]
67	5.023255814	0.1701021	3 [[1. 1. 1.5 21.5]
68	0	1	1 [[21.5 3.5]
69	1.023255814	0.795625	3 [[0.5 2. 1. 21.5]
70	5.688804554	0.058169	2 [[15.5 8.5 1.]
71	5.688804554	0.058169	2 [[15.5 8.5 1.]
72	0	1	1 [[22. 3.]
73	1.333333333	0.5134171	2 [[23. 1.5 0.5]
74	2.223255814	0.3290229	2 [[2.5 1. 21.5]
75	1.356589147	0.5074817	2 [[2. 1.5 21.5]
76	1.689922481	0.429574	2 [[0.5 21.5 3.]
77	1.689922481	0.429574	2 [[3. 0.5 21.5]
78	6.090909091	0.1072701	3 [[0.5 2. 16.5 6.]
79	0.223255814	0.894377	2 [[1. 2.5 21.5]
80	0.223255814	0.894377	2 [[2.5 1. 21.5]
81	0.356589147	0.8366959	2 [[2. 1.5 21.5]
82	1.314285714	0.5183302	2 [[0.5 7. 17.5]
83	0	1	1 [[3.5 21.5]
84	0.444444444	0.8007374	2 [[18. 6. 1.]
85	1.689922481	0.6391766	3 [[1.5 1.5 0.5 21.5]
86	1.689922481	0.429574	2 [[3. 0.5 21.5]
87	0.353846154	0.8378442	2 [[2. 10. 13.]
88	1.689922481	0.429574	2 [[0.5 21.5 3.]
89	0.223255814	0.894377	2 [[2.5 1. 21.5]
90	5.6	0.0608101	2 [[7. 10.5 7.5]
91	0	1	1 [[21.5 3.5]
92	0	1	1 [[21.5 3.5]
93	3.133333333	0.3715211	3 [[6. 10. 3. 6.]

94	0	1	1	[[3.5 21.5]
95	0.555151515	0.7576182	2	[[1.5 12.5 11.]
96	1.369168357	0.5042999	2	[[2. 14.5 8.5]
97	0.356589147	0.8366959	2	[[1.5 21.5 2.]
98	1.023255814	0.795625	3	[[2. 1. 0.5 21.5]
99	2.031746032	0.3620862	2	[[14. 9. 2.]
100	0.356589147	0.8366959	2	[[2. 21.5 1.5]
101	4.023255814	0.2589638	3	[[2. 1. 0.5 21.5]
102	1.689922481	0.429574	2	[[3. 0.5 21.5]
103	2.356589147	0.5017667	3	[[1. 1. 21.5 1.5]
104	3.184615385	0.2034556	2	[[13. 10. 2.]
105	0.356589147	0.8366959	2	[[1.5 2. 21.5]
106	0	1	1	[[1.5 23.5]
107	2.223255814	0.5273822	3	[[0.5 0.5 21.5 2.5]
108	0.223255814	0.894377	2	[[1. 2.5 21.5]
109	1.023255814	0.5995188	2	[[3. 0.5 21.5]
110	1.023255814	0.5995188	2	[[0.5 3. 21.5]
111	1.023255814	0.5995188	2	[[0.5 3. 21.5]
112	0.223255814	0.894377	2	[[2.5 1. 21.5]
113	1.021276596	0.6001124	2	[[0.5 1. 23.5]
114	5.688804554	0.058169	2	[[15.5 8.5 1.]
115	4.387301587	0.2225657	3	[[3.5 1. 2.5 18.]
116	0.223255814	0.894377	2	[[1. 2.5 21.5]
117	1.803418803	0.4058753	2	[[0.5 6.5 18.]
118	2.424242424	0.2975654	2	[[1. 7.5 16.5]
119	3.363636364	0.1860354	2	[[1. 2. 22.]
120	1.923444976	0.3822339	2	[[0.5 5.5 19.]
121	1.425641026	0.4902595	2	[[0.5 5. 19.5]
122	5.576923077	0.1341095	3	[[0.5 2. 6.5 16.]
123	1.468571429	0.4798481	2	[[12.5 10.5 2.]
124	0.109649123	0.740544	1	[[6. 19.]
125	0.819734345	0.6637384	2	[[15.5 8.5 1.]
126	1.689922481	0.429574	2	[[0.5 21.5 3.]
127	4.34965035	0.113628	2	[[16.5 6.5 2.]
128	3.022222222	0.2206647	2	[[1. 9. 15.]
129	2.223255814	0.5273822	3	[[0.5 0.5 2.5 21.5]
130	0.73015873	0.6941416	2	[[4.5 13.5 7.]
131	0	1	1	[[3.5 21.5]
132	0.555151515	0.7576182	2	[[1.5 12.5 11.]
133	2.223255814	0.3290229	2	[[2.5 1. 21.5]
134	0.103703704	0.9494695	2	[[7.5 13.5 4.]
135	2.356589147	0.5017667	3	[[1.5 1. 1. 21.5]
136	4.251748252	0.1193286	2	[[1. 11. 13.]
137	2.223255814	0.5273822	3	[[0.5 2.5 0.5 21.5]
138	0	1	1	[[23. 2.]
139	1.689922481	0.429574	2	[[3. 0.5 21.5]
140	0.372294372	0.8301514	2	[[11. 10.5 3.5]

141	0.45025641	0.7984139	2 [[12.5 6.5 6.]
142	1.689922481	0.429574	2 [[0.5 3. 21.5]
143	0	1	1 [[3.5 21.5]
144	3.406593407	0.1820823	2 [[17.5 6.5 1.]
145	2.356589147	0.5017667	3 [[1.5 1. 21.5 1.]
146	0.091097308	0.9554731	2 [[3. 11.5 10.5]
147	2.47826087	0.289636	2 [[2. 11.5 11.5]
148	0	1	1 [[2.5 22.5]
149	0.807017544	0.6679722	2 [[2. 9.5 13.5]
150	5.309090909	0.0703308	2 [[9. 11. 5.]
151	1.689922481	0.429574	2 [[0.5 3. 21.5]
152	1.023255814	0.5995188	2 [[0.5 3. 21.5]
153	1.2	0.5488116	2 [[0.5 2.5 22.]
154	1.689922481	0.429574	2 [[3. 0.5 21.5]
155	0.223255814	0.894377	2 [[1. 2.5 21.5]
156	0	1	1 [[3.5 21.5]
157	1.023255814	0.5995188	2 [[3. 0.5 21.5]
158	0.356589147	0.8366959	2 [[2. 1.5 21.5]
159	0	1	1 [[3.5 21.5]
160	0	1	2 [[3. 13. 9.]
161	2.023255814	0.5675939	3 [[0.5 2. 1. 21.5]