

**Tests of independence - age structure**

Obs	pop	age	obsfreq
1	1	0	36
2	1	1	22
3	1	2	18
4	1	3	13
5	1	4	11
6	2	0	48
7	2	1	24
8	2	2	14
9	2	3	10
10	2	4	4
11	3	0	60
12	3	1	21
13	3	2	12
14	3	3	5
15	3	4	2

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### The FREQ Procedure

Frequency Expected Cell Chi-Square Percent Row Pct Col Pct	Table of age by pop				
	age	pop			
		1	2	3	Total
	0	36 48 3 12.00 25.00 36.00	48 48 0 16.00 33.33 48.00	60 48 3 20.00 41.67 60.00	144   48.00
1	22 22.333 0.005 7.33 32.84 22.00	24 22.333 0.1244 8.00 35.82 24.00	21 22.333 0.0796 7.00 31.34 21.00	67  22.33	
2	18 14.667 0.7576 6.00 40.91 18.00	14 14.667 0.0303 4.67 31.82 14.00	12 14.667 0.4848 4.00 27.27 12.00	44  14.67	
3	13 9.3333 1.4405 4.33 46.43 13.00	10 9.3333 0.0476 3.33 35.71 10.00	5 9.3333 2.0119 1.67 17.86 5.00	28  9.33	
4	11 5.6667 5.0196 3.67 64.71 11.00	4 5.6667 0.4902 1.33 23.53 4.00	2 5.6667 2.3725 0.67 11.76 2.00	17  5.67	
Total	100 33.33	100 33.33	100 33.33	300 100.00	

### Statistics for Table of age by pop

Statistic	DF	Value	Prob
Chi-Square	8	18.8640	0.0156
Likelihood Ratio Chi-Square	8	18.9195	0.0153
Mantel-Haenszel Chi-Square	1	17.5932	<.0001
Phi Coefficient		0.2508	
Contingency Coefficient		0.2432	
Cramer's V		0.1773	

Sample Size = 300

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Obs	age	pop	COUNT	PERCENT	PCT_ROW	PCT_COL
1	0	1	36	12.0000	25.0000	36
2	0	2	48	16.0000	33.3333	48
3	0	3	60	20.0000	41.6667	60
4	1	1	22	7.3333	32.8358	22
5	1	2	24	8.0000	35.8209	24
6	1	3	21	7.0000	31.3433	21
7	2	1	18	6.0000	40.9091	18
8	2	2	14	4.6667	31.8182	14
9	2	3	12	4.0000	27.2727	12
10	3	1	13	4.3333	46.4286	13
11	3	2	10	3.3333	35.7143	10
12	3	3	5	1.6667	17.8571	5
13	4	1	11	3.6667	64.7059	11
14	4	2	4	1.3333	23.5294	4
15	4	3	2	0.6667	11.7647	2

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Percent of Column Frequency

