

Obs	ID	GENDER	PARTY	VOTE	FOREIGN	SPEND
1	7	Male	Republican	Yes	Yes	No
2	13	Female	Democrat	Yes	No	Yes
3	137	Female	Republican	No	No	Yes
4	117		Republican	Yes	Yes	Yes
5	428	Male	Not Registered	Yes	Yes	No
6	17	Female	Not Registered	Yes	No	Yes
7	37	Male	Democrat	Yes	No	Yes

The FREQ Procedure

GENDER	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Female	3	50.00	3	50.00
Male	3	50.00	6	100.00
Frequency Missing = 1				

Political Party				
PARTY	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Republican	3	42.86	3	42.86
Democrat	2	28.57	5	71.43
Not Registered	2	28.57	7	100.00

Vote in the last election				
VOTE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	1	14.29	1	14.29
Yes	6	85.71	7	100.00

Agree with the government foreign policy?				
FOREIGN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	4	57.14	4	57.14
Yes	3	42.86	7	100.00

Should we increase domestic spending				
SPEND	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	2	28.57	2	28.57
Yes	5	71.43	7	100.00

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of VOTE by SPEND			
	VOTE(Vote in the last election)	SPEND(Should we increase domestic spending)		
		No	Yes	Total
No	No	0	1	1
		0.00	14.29	14.29
		0.00	100.00	
		0.00	20.00	
Yes	Yes	2	4	6
		28.57	57.14	85.71
		33.33	66.67	
		100.00	80.00	
Total	Total	2	5	7
		28.57	71.43	100.00

Statistics for Table of VOTE by SPEND

Statistic	DF	Value	Prob
Chi-Square	1	0.4667	0.4945
Likelihood Ratio Chi-Square	1	0.7376	0.3904
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.4000	0.5271
Phi Coefficient		-0.2582	
Contingency Coefficient		0.2500	
Cramer's V		-0.2582	
WARNING: 100% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	0
Left-sided Pr <= F	0.7143
Right-sided Pr >= F	1.0000
Table Probability (P)	0.7143
Two-sided Pr <= P	1.0000

Sample Size = 7

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of VOTE by FOREIGN			
	VOTE(Vote in the last election)	FOREIGN(Agree with the government foreign policy?)		
		No	Yes	Total
	No	1 14.29 100.00 25.00	0 0.00 0.00 0.00	1 14.29
	Yes	3 42.86 50.00 75.00	3 42.86 50.00 100.00	6 85.71
	Total	4 57.14	3 42.86	7 100.00

Statistics for Table of VOTE by FOREIGN

Statistic	DF	Value	Prob
Chi-Square	1	0.8750	0.3496
Likelihood Ratio Chi-Square	1	1.2429	0.2649
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.7500	0.3865
Phi Coefficient		0.3536	
Contingency Coefficient		0.3333	
Cramer's V		0.3536	
WARNING: 100% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.5714
Table Probability (P)	0.5714
Two-sided Pr <= P	1.0000

Sample Size = 7

Chapter 3 Problem 5 creating categories using if

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of CATEGORYW by CATEGORYH			
	CATEGORYW	CATEGORYH		
		1	2	Total
	1	1 20.00 100.00 33.33	0 0.00 0.00 0.00	1 20.00
	2	1 20.00 100.00 33.33	0 0.00 0.00 0.00	1 20.00
	3	1 20.00 100.00 33.33	0 0.00 0.00 0.00	1 20.00
	4	0 0.00 0.00 0.00	2 40.00 100.00 100.00	2 40.00
	Total	3 60.00	2 40.00	5 100.00
Frequency Missing = 2				

Chapter 3 Problem 5 creating categories using format

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of WEIGHT by HEIGHT			
	WEIGHT	HEIGHT		
		1	2	Total
1		1	0	1
		20.00	0.00	20.00
		100.00	0.00	
		33.33	0.00	
2		1	0	1
		20.00	0.00	20.00
		100.00	0.00	
		33.33	0.00	
3		1	0	1
		20.00	0.00	20.00
		100.00	0.00	
		33.33	0.00	
4		0	2	2
		0.00	40.00	40.00
		0.00	100.00	
		0.00	100.00	
Total		3	2	5
		60.00	40.00	100.00
Frequency Missing = 2				

Chapter 3 Problem 6 Leukemia Exposure

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of RADIATION by group			
	RADIATION	group		
		CASE	CONTROL	Total
	1-EXPOSE	50 4.59 55.56 9.09	40 3.67 44.44 7.41	90 8.26
	2-NEXPOS	500 45.87 50.00 90.91	500 45.87 50.00 92.59	1000 91.74
	Total	550 50.46	540 49.54	1090 100.00

Statistics for Table of RADIATION by group

Statistic	DF	Value	Prob
Chi-Square	1	1.0195	0.3126
Likelihood Ratio Chi-Square	1	1.0217	0.3121
Continuity Adj. Chi-Square	1	0.8093	0.3683
Mantel-Haenszel Chi-Square	1	1.0185	0.3129
Phi Coefficient		0.0306	
Contingency Coefficient		0.0306	
Cramer's V		0.0306	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	50
Left-sided Pr <= F	0.8686
Right-sided Pr >= F	0.1842
Table Probability (P)	0.0529
Two-sided Pr <= P	0.3240

Sample Size = 1090

Chapter 3 Problem 6 Leukemia Exposure

The FREQ Procedure

Summary Statistics for RADIATION by group

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.0185	0.3129
2	Row Mean Scores Differ	1	1.0185	0.3129
3	General Association	1	1.0185	0.3129

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	1.2500	0.8100	1.9290
	Logit	1.2500	0.8100	1.9290
Relative Risk (Column 1)	Mantel-Haenszel	1.1111	0.9143	1.3502
	Logit	1.1111	0.9143	1.3502
Relative Risk (Column 2)	Mantel-Haenszel	0.8889	0.6998	1.1290
	Logit	0.8889	0.6998	1.1290

Total Sample Size = 1090

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of GROUP by ASTMA		
	GROUP	ASTMA	
		1-Yes	2-No
	Total	70	230
		23.33	76.67
	HighSES	30	130
		10.00	43.33
		18.75	81.25
		42.86	56.52
	LowSES	40	100
		13.33	33.33
		28.57	71.43
		57.14	43.48
	Total	70	230
		23.33	76.67
	Total	300	100.00

Statistics for Table of GROUP by ASTMA

Statistic	DF	Value	Prob
Chi-Square	1	4.0262	0.0448
Likelihood Ratio Chi-Square	1	4.0234	0.0449
Continuity Adj. Chi-Square	1	3.4959	0.0615
Mantel-Haenszel Chi-Square	1	4.0128	0.0452
Phi Coefficient		-0.1158	
Contingency Coefficient		0.1151	
Cramer's V		-0.1158	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	30
Left-sided Pr <= F	0.0308
Right-sided Pr >= F	0.9839
Table Probability (P)	0.0148
Two-sided Pr <= P	0.0552

Sample Size = 300

The FREQ Procedure

Summary Statistics for GROUP by ASTMA

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	4.0128	0.0452
2	Row Mean Scores Differ	1	4.0128	0.0452
3	General Association	1	4.0128	0.0452

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	0.5769	0.3361	0.9904
	Logit	0.5769	0.3361	0.9904
Relative Risk (Column 1)	Mantel-Haenszel	0.6563	0.4331	0.9943
	Logit	0.6563	0.4331	0.9943
Relative Risk (Column 2)	Mantel-Haenszel	1.1375	1.0003	1.2935
	Logit	1.1375	1.0003	1.2935

Total Sample Size = 300

Chapter 3 Problem 8 Relative Risk SES ASTMA

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of GROUP by ASTMA		
	GROUP	ASTMA	
		1-Yes	2-No
		Total	
	HighSES	30 10.00 18.75 42.86	130 43.33 81.25 56.52
	LowSES	40 13.33 28.57 57.14	100 33.33 71.43 43.48
	Total	70 23.33	230 76.67
			300 100.00

Statistics for Table of GROUP by ASTMA

Statistic	DF	Value	Prob
Chi-Square	1	4.0262	0.0448
Likelihood Ratio Chi-Square	1	4.0234	0.0449
Continuity Adj. Chi-Square	1	3.4959	0.0615
Mantel-Haenszel Chi-Square	1	4.0128	0.0452
Phi Coefficient		-0.1158	
Contingency Coefficient		0.1151	
Cramer's V		-0.1158	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	30
Left-sided Pr <= F	0.0308
Right-sided Pr >= F	0.9839
Table Probability (P)	0.0148
Two-sided Pr <= P	0.0552

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.5769	0.3361	0.9904
Relative Risk (Column 1)	0.6563	0.4331	0.9943
Relative Risk (Column 2)	1.1375	1.0003	1.2935

Sample Size = 300

Chapter 3 Problem 11 VDT Miscarriages

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of GROUP by MISCARRIAGES			
	GROUP	MISCARRIAGES		
		1-Yes	2-No	Total
	CASE_MIS	30 8.11 37.50 25.00	50 13.51 62.50 20.00	80 21.62
	CONTROL	90 24.32 31.03 75.00	200 54.05 68.97 80.00	290 78.38
	Total	120 32.43	250 67.57	370 100.00

Statistics for Table of GROUP by MISCARRIAGES

Statistic	DF	Value	Prob
Chi-Square	1	1.1961	0.2741
Likelihood Ratio Chi-Square	1	1.1754	0.2783
Continuity Adj. Chi-Square	1	0.9193	0.3377
Mantel-Haenszel Chi-Square	1	1.1929	0.2747
Phi Coefficient		0.0569	
Contingency Coefficient		0.0568	
Cramer's V		0.0569	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	30
Left-sided Pr <= F	0.8897
Right-sided Pr >= F	0.1686
Table Probability (P)	0.0583
Two-sided Pr <= P	0.2829

Sample Size = 370

Chapter 3 Problem 11 VDT Miscarriages

The FREQ Procedure

Summary Statistics for GROUP by MISCARRIAGES

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.1929	0.2747
2	Row Mean Scores Differ	1	1.1929	0.2747
3	General Association	1	1.1929	0.2747

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	1.3333	0.7955	2.2349
	Logit	1.3333	0.7955	2.2349
Relative Risk (Column 1)	Mantel-Haenszel	1.2083	0.8680	1.6822
	Logit	1.2083	0.8680	1.6822
Relative Risk (Column 2)	Mantel-Haenszel	0.9063	0.7521	1.0920
	Logit	0.9063	0.7521	1.0920

Total Sample Size = 370

Chapter 3 Problem 13 Sound Proof Behaviour Of Children

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of GROUP by BEHAVIOR		
	GROUP	BEHAVIOR	
		1-Yes	2-No
	STANDARD	30	220
		5.45	40.00
		12.00	88.00
		60.00	44.00
	S_PROOFE	20	280
		3.64	50.91
		6.67	93.33
		40.00	56.00
	Total	50	500
		9.09	90.91
			100.00

Statistics for Table of GROUP by BEHAVIOR

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	1.9091	1.0554	3.4533
Relative Risk (Column 1)	1.8000	1.0486	3.0898
Relative Risk (Column 2)	0.9429	0.8925	0.9960

Sample Size = 550

Chapter 3 Problem 15 CLASS Size and Behavior

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of PROBLEM by SIZE					
	PROBLEM	SIZE				
		Small	Medium	Large	Gigantic	Total
	1-YES	3 1.01 2.83 20.00	6 2.01 5.66 21.43	17 5.70 16.04 30.91	80 26.85 75.47 40.00	106 35.57
	2-NO	12 4.03 6.25 80.00	22 7.38 11.46 78.57	38 12.75 19.79 69.09	120 40.27 62.50 60.00	192 64.43
	Total	15 5.03	28 9.40	55 18.46	200 67.11	298 100.00

Statistics for Table of PROBLEM by SIZE

Statistic	DF	Value	Prob
Chi-Square	3	6.2639	0.0995
Likelihood Ratio Chi-Square	3	6.6063	0.0856
Mantel-Haenszel Chi-Square	1	6.0375	0.0140
Phi Coefficient		0.1450	
Contingency Coefficient		0.1435	
Cramer's V		0.1450	

Sample Size = 298

Chapter 3 Problem 16 Aspirin On HA and Strokes

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table 1 of RESULTS by GROUP			
	Controlling for DESEASE_GROUP=HA			
	RESULTS	GROUP		
		ASPIRIN	PLASEBO	Total
	1-YES	80 50.00 50.00 100.00	80 50.00 50.00 100.00	160 100.00
	Total	80 50.00	80 50.00	160 100.00

Frequency Percent Row Pct Col Pct	Table 2 of RESULTS by GROUP			
	Controlling for DESEASE_GROUP=STROKE			
	RESULTS	GROUP		
		ASPIRIN	PLASEBO	Total
	1-YES	65 50.00 50.00 100.00	65 50.00 50.00 100.00	130 100.00
	Total	65 50.00	65 50.00	130 100.00

Chapter 3 Problem 16 Aspirin On HA and Strokes

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table 1 of GROUP by RESULTS			
	Controlling for DESEASE_GROUP=HA			
	GROUP	RESULTS		
		1-YES	2-NO	Total
	ASPIRIN	80 2.67 8.00 25.00	920 30.67 92.00 34.33	1000 33.33
	PLASEBO	240 8.00 12.00 75.00	1760 58.67 88.00 65.67	2000 66.67
	Total	320 10.67	2680 89.33	3000 100.00

Statistics for Table 1 of GROUP by RESULTS
Controlling for DESEASE_GROUP=HA

Statistic	DF	Value	Prob
Chi-Square	1	11.1940	0.0008
Likelihood Ratio Chi-Square	1	11.6949	0.0006
Continuity Adj. Chi-Square	1	10.7782	0.0010
Mantel-Haenszel Chi-Square	1	11.1903	0.0008
Phi Coefficient		-0.0611	
Contingency Coefficient		0.0610	
Cramer's V		-0.0611	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	80
Left-sided Pr <= F	0.0004
Right-sided Pr >= F	0.9997
Table Probability (P)	0.0002
Two-sided Pr <= P	0.0007

Chapter 3 Problem 16 Aspirin On HA and Strokes

The FREQ Procedure

Statistics for Table 1 of GROUP by RESULTS
Controlling for DESEASE_GROUP=HA

Statistic	Value	ASE
Gamma	-0.2212	0.0644
Kendall's Tau-b	-0.0611	0.0170
Stuart's Tau-c	-0.0356	0.0100
Somers' D C R	-0.0400	0.0112
Somers' D R C	-0.0933	0.0259
Pearson Correlation	-0.0611	0.0170
Spearman Correlation	-0.0611	0.0170
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0000	0.0000
Uncertainty Coefficient C R	0.0057	0.0033
Uncertainty Coefficient R C	0.0031	0.0017
Uncertainty Coefficient Symmetric	0.0040	0.0023

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.6377	0.4891	0.8314
Relative Risk (Column 1)	0.6667	0.5237	0.8487
Relative Risk (Column 2)	1.0455	1.0202	1.0713

Sample Size = 3000

Frequency Percent Row Pct Col Pct	Table 2 of GROUP by RESULTS			
	Controlling for DESEASE_GROUP=STROKE			
	GROUP	RESULTS		
		1-YES	2-NO	Total
	ASPIRIN	65 2.17 6.50 28.26	935 31.17 93.50 33.75	1000 33.33
	PLASEBO	165 5.50 8.25 71.74	1835 61.17 91.75 66.25	2000 66.67
	Total	230 7.67	2770 92.33	3000 100.00

Chapter 3 Problem 16 Aspirin On HA and Strokes**The FREQ Procedure**

**Statistics for Table 2 of GROUP by RESULTS
Controlling for DESEASE_GROUP=STROKE**

Statistic	DF	Value	Prob
Chi-Square	1	2.8842	0.0895
Likelihood Ratio Chi-Square	1	2.9596	0.0854
Continuity Adj. Chi-Square	1	2.6422	0.1041
Mantel-Haenszel Chi-Square	1	2.8832	0.0895
Phi Coefficient		-0.0310	
Contingency Coefficient		0.0310	
Cramer's V		-0.0310	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	65
Left-sided Pr <= F	0.0507
Right-sided Pr >= F	0.9631
Table Probability (P)	0.0138
Two-sided Pr <= P	0.0943

Chapter 3 Problem 16 Aspirin On HA and Strokes**The FREQ Procedure**

Statistics for Table 2 of GROUP by RESULTS
Controlling for DESEASE_GROUP=STROKE

Statistic	Value	ASE
Gamma	-0.1279	0.0747
Kendall's Tau-b	-0.0310	0.0175
Stuart's Tau-c	-0.0156	0.0088
Somers' D C R	-0.0175	0.0099
Somers' D R C	-0.0549	0.0310
Pearson Correlation	-0.0310	0.0175
Spearman Correlation	-0.0310	0.0175
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0000	0.0000
Uncertainty Coefficient C R	0.0018	0.0021
Uncertainty Coefficient R C	0.0008	0.0009
Uncertainty Coefficient Symmetric	0.0011	0.0012

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.7731	0.5741	1.0411
Relative Risk (Column 1)	0.7879	0.5974	1.0391
Relative Risk (Column 2)	1.0191	0.9979	1.0407

Sample Size = 3000

Chapter 3 Problem 16 Aspirin On HA and Strokes

The FREQ Procedure

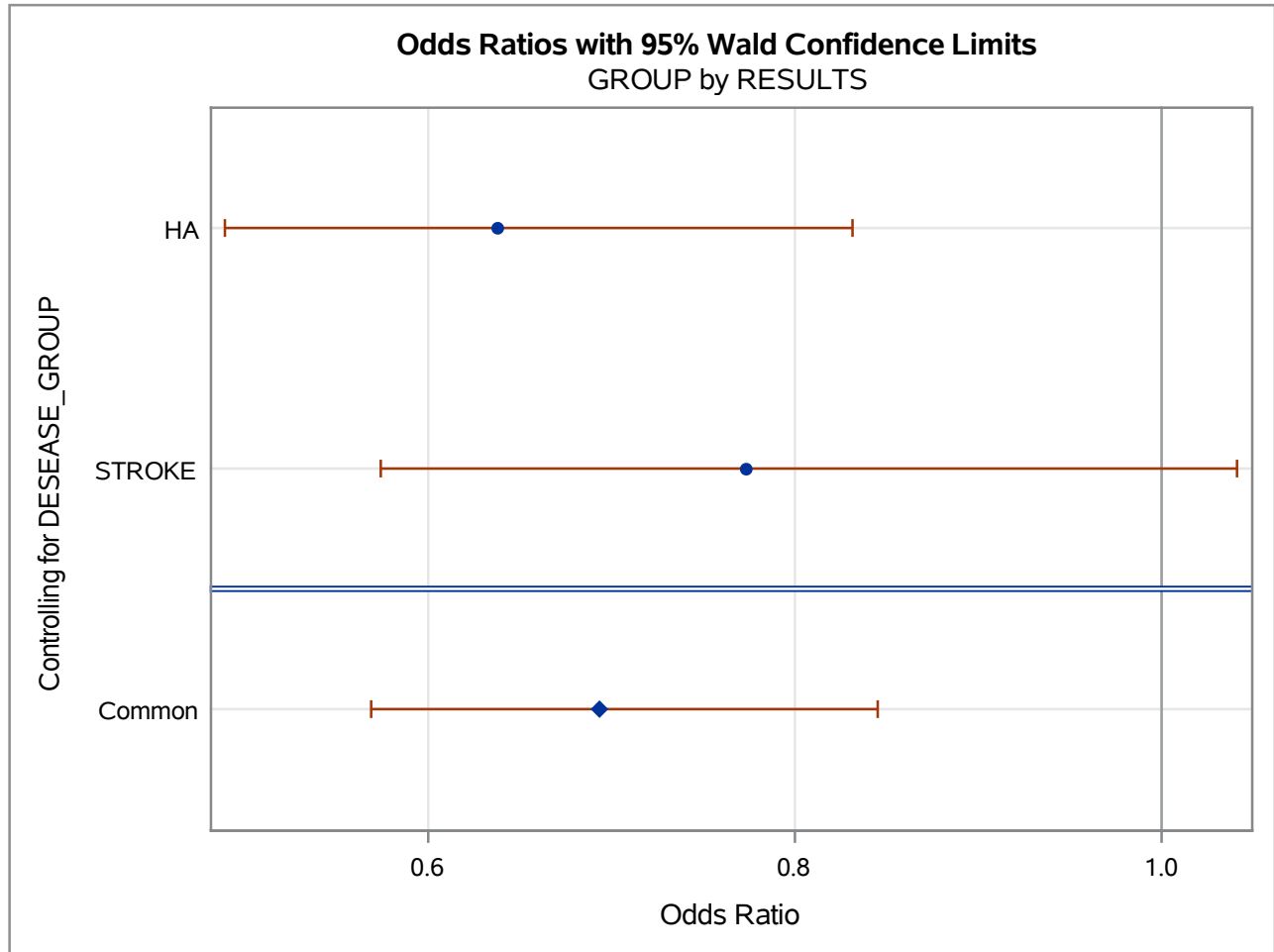
Summary Statistics for GROUP by RESULTS Controlling for DESEASE_GROUP

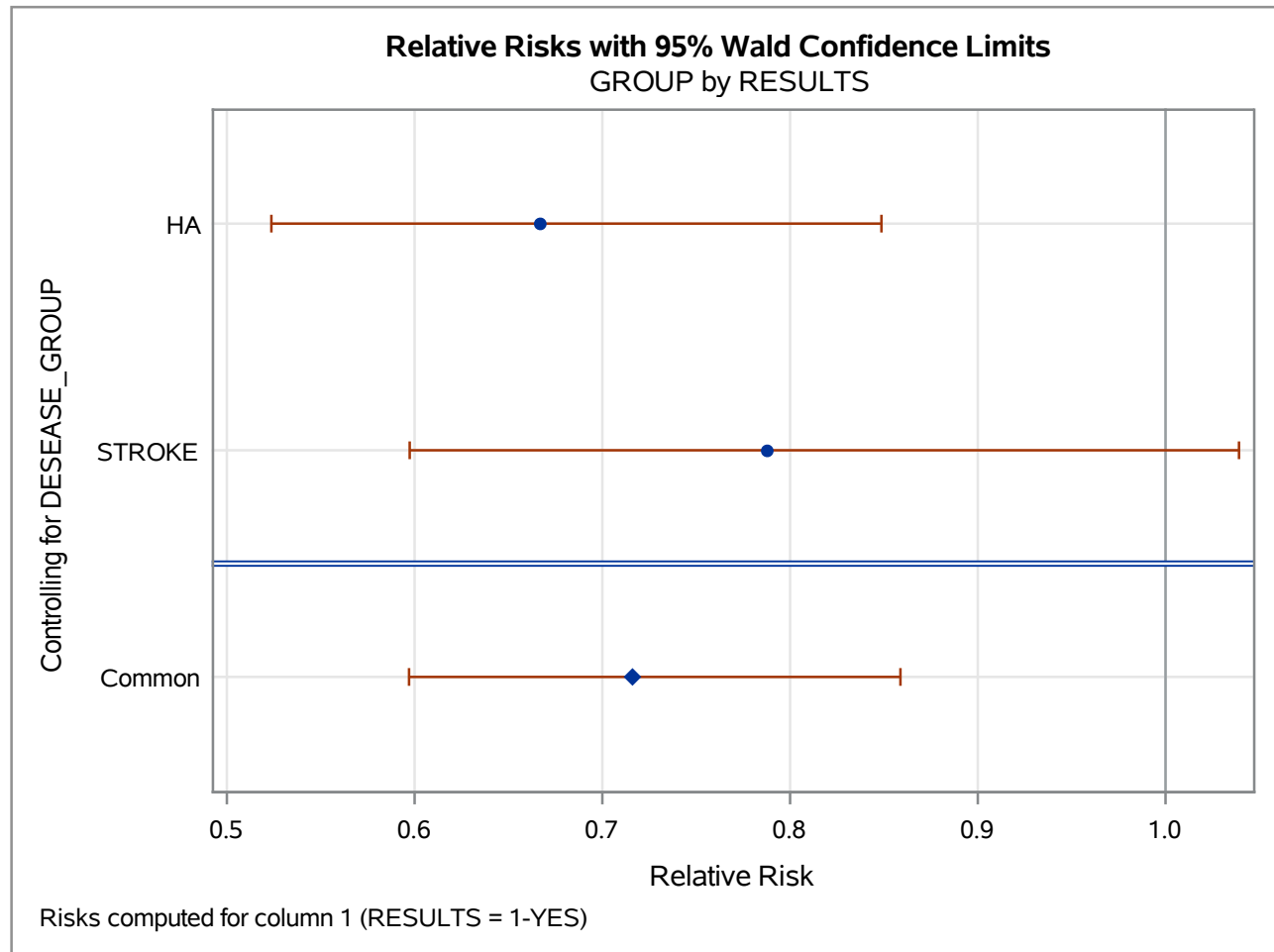
Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	13.2675	0.0003
2	Row Mean Scores Differ	1	13.2675	0.0003
3	General Association	1	13.2675	0.0003

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	0.6934	0.5689	0.8452
	Logit	0.6944	0.5697	0.8465
Relative Risk (Column 1)	Mantel-Haenszel	0.7160	0.5970	0.8588
	Logit	0.7166	0.5974	0.8595
Relative Risk (Column 2)	Mantel-Haenszel	1.0320	1.0156	1.0487
	Logit	1.0302	1.0139	1.0467

Breslow-Day Test for Homogeneity of the Odds Ratios	
Chi-Square	0.8974
DF	1
Pr > ChiSq	0.3435

Total Sample Size = 6000

Chapter 3 Problem 16 Aspirin On HA and Strokes**The FREQ Procedure**

Chapter 3 Problem 16 Aspirin On HA and Strokes**The FREQ Procedure**

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table 1 of NAME by RESULTS			
	Controlling for STUDY=STUDY_1			
	NAME	RESULTS		
		DIED	SURV	Total
1-MGSO4		100	20	120
		33.33	6.67	40.00
		83.33	16.67	
		39.22	44.44	
2-PLACEB		155	25	180
		51.67	8.33	60.00
		86.11	13.89	
		60.78	55.56	
Total		255	45	300
		85.00	15.00	100.00

Statistics for Table 1 of NAME by RESULTS
Controlling for STUDY=STUDY_1

Statistic	DF	Value	Prob
Chi-Square	1	0.4357	0.5092
Likelihood Ratio Chi-Square	1	0.4319	0.5111
Continuity Adj. Chi-Square	1	0.2451	0.6205
Mantel-Haenszel Chi-Square	1	0.4343	0.5099
Phi Coefficient		-0.0381	
Contingency Coefficient		0.0381	
Cramer's V		-0.0381	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	100
Left-sided Pr <= F	0.3084
Right-sided Pr >= F	0.7960
Table Probability (P)	0.1044
Two-sided Pr <= P	0.5139

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Statistics for Table 1 of NAME by RESULTS
Controlling for STUDY=STUDY_1

Statistic	Value	ASE
Gamma	-0.1071	0.1613
Kendall's Tau-b	-0.0381	0.0584
Stuart's Tau-c	-0.0267	0.0410
Somers' D C R	-0.0278	0.0427
Somers' D R C	-0.0523	0.0801
Pearson Correlation	-0.0381	0.0584
Spearman Correlation	-0.0381	0.0584
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0000	0.0000
Uncertainty Coefficient C R	0.0017	0.0052
Uncertainty Coefficient R C	0.0011	0.0033
Uncertainty Coefficient Symmetric	0.0013	0.0040

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.8065	0.4255	1.5286
Relative Risk (Column 1)	0.9677	0.8763	1.0687
Relative Risk (Column 2)	1.2000	0.6988	2.0607

Sample Size = 300

Frequency Percent Row Pct Col Pct	Table 2 of NAME by RESULTS			
	Controlling for STUDY=STUDY_2			
	NAME	RESULTS		
		DIED	SURV	Total
	1-MGSO4	150 43.35 85.71 50.00	25 7.23 14.29 54.35	175 50.58
	2-PLACEB	150 43.35 87.72 50.00	21 6.07 12.28 45.65	171 49.42
	Total	300 86.71	46 13.29	346 100.00

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Statistics for Table 2 of NAME by RESULTS
Controlling for STUDY=STUDY_2

Statistic	DF	Value	Prob
Chi-Square	1	0.3016	0.5829
Likelihood Ratio Chi-Square	1	0.3020	0.5826
Continuity Adj. Chi-Square	1	0.1528	0.6959
Mantel-Haenszel Chi-Square	1	0.3008	0.5834
Phi Coefficient		-0.0295	
Contingency Coefficient		0.0295	
Cramer's V		-0.0295	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	150
Left-sided Pr <= F	0.3483
Right-sided Pr >= F	0.7602
Table Probability (P)	0.1084
Two-sided Pr <= P	0.6363

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Statistics for Table 2 of NAME by RESULTS Controlling for STUDY=STUDY_2

Statistic	Value	ASE
Gamma	-0.0870	0.1577
Kendall's Tau-b	-0.0295	0.0536
Stuart's Tau-c	-0.0200	0.0365
Somers' D C R	-0.0201	0.0365
Somers' D R C	-0.0435	0.0789
Pearson Correlation	-0.0295	0.0536
Spearman Correlation	-0.0295	0.0536
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0000	0.0000
Lambda Symmetric	0.0000	0.0000
Uncertainty Coefficient C R	0.0011	0.0040
Uncertainty Coefficient R C	0.0006	0.0023
Uncertainty Coefficient Symmetric	0.0008	0.0029

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.8400	0.4506	1.5658
Relative Risk (Column 1)	0.9771	0.8998	1.0612
Relative Risk (Column 2)	1.1633	0.6775	1.9972

Sample Size = 346

Frequency
Percent
Row Pct
Col Pct

Table 3 of NAME by RESULTS			
Controlling for STUDY=STUDY_3			
NAME	RESULTS		
	DIED	SURV	Total
1-MGSO4	200	30	230
	40.16	6.02	46.18
	86.96	13.04	
	45.45	51.72	
2-PLACEB	240	28	268
	48.19	5.62	53.82
	89.55	10.45	
	54.55	48.28	
Total	440	58	498
	88.35	11.65	100.00

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Statistics for Table 3 of NAME by RESULTS
Controlling for STUDY=STUDY_3

Statistic	DF	Value	Prob
Chi-Square	1	0.8104	0.3680
Likelihood Ratio Chi-Square	1	0.8079	0.3687
Continuity Adj. Chi-Square	1	0.5778	0.4472
Mantel-Haenszel Chi-Square	1	0.8088	0.3685
Phi Coefficient		-0.0403	
Contingency Coefficient		0.0403	
Cramer's V		-0.0403	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	200
Left-sided Pr <= F	0.2233
Right-sided Pr >= F	0.8509
Table Probability (P)	0.0742
Two-sided Pr <= P	0.4020

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Statistics for Table 3 of NAME by RESULTS
Controlling for STUDY=STUDY_3

Statistic	Value	ASE
Gamma	-0.1250	0.1376
Kendall's Tau-b	-0.0403	0.0449
Stuart's Tau-c	-0.0258	0.0289
Somers' D C R	-0.0260	0.0290
Somers' D R C	-0.0627	0.0698
Pearson Correlation	-0.0403	0.0449
Spearman Correlation	-0.0403	0.0449
Lambda Asymmetric C R	0.0000	0.0000
Lambda Asymmetric R C	0.0087	0.0330
Lambda Symmetric	0.0069	0.0263
Uncertainty Coefficient C R	0.0023	0.0050
Uncertainty Coefficient R C	0.0012	0.0026
Uncertainty Coefficient Symmetric	0.0015	0.0034

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.7778	0.4496	1.3456
Relative Risk (Column 1)	0.9710	0.9102	1.0358
Relative Risk (Column 2)	1.2484	0.7695	2.0256

Sample Size = 498

Chapter 3 Problem 18 Study Effects Of Magnesium

The FREQ Procedure

Summary Statistics for NAME by RESULTS Controlling for STUDY

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.5095	0.2192
2	Row Mean Scores Differ	1	1.5095	0.2192
3	General Association	1	1.5095	0.2192

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	0.8050	0.5695	1.1379
	Logit	0.8050	0.5695	1.1378
Relative Risk (Column 1)	Mantel-Haenszel	0.9721	0.9288	1.0174
	Logit	0.9722	0.9291	1.0172
Relative Risk (Column 2)	Mantel-Haenszel	1.2070	0.8942	1.6294
	Logit	1.2068	0.8940	1.6289

Breslow-Day Test for Homogeneity of the Odds Ratios	
Chi-Square	0.0331
DF	2
Pr > ChiSq	0.9836

Total Sample Size = 1144

Chapter 3 Problem 18 Study Effects Of Magnesium**The FREQ Procedure**

Chapter 3 Problem 18 Study Effects Of Magnesium**The FREQ Procedure**