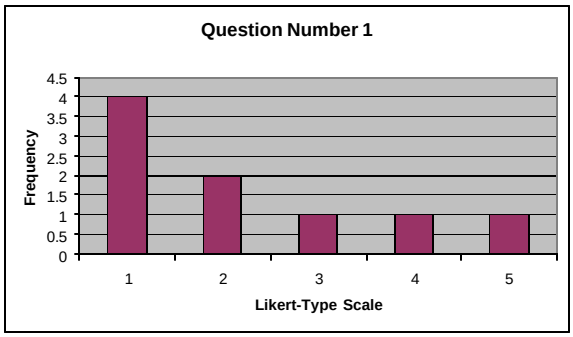
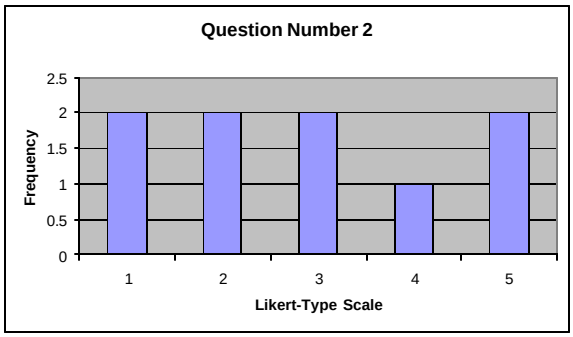
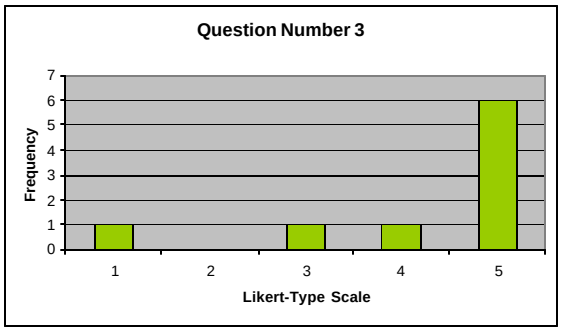
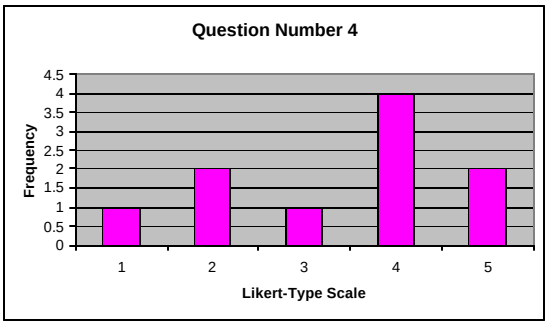
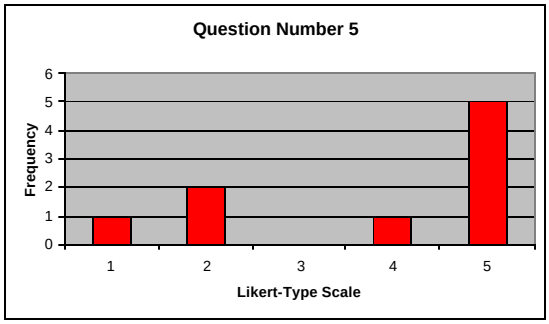
APPENDIX E

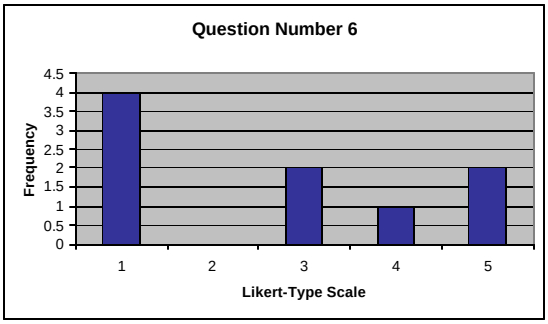

Question Number 1
Frequency
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1
2
3
4
5
Likert-Type Scale

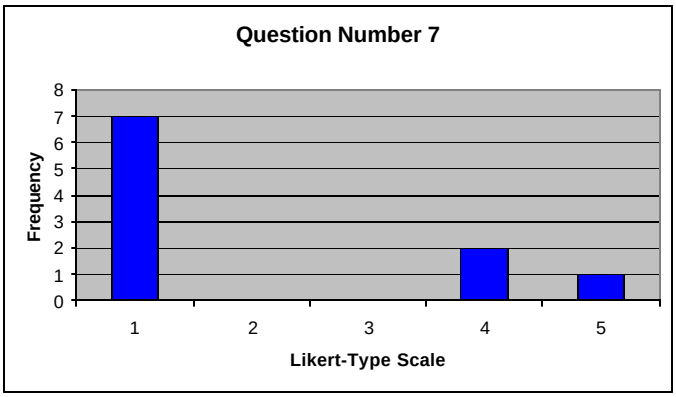

Question Number 2
Frequency
2.5
2
1.5
1
0.5
0
1
2
3
4
5
Likert-Type Scale


Question Number 3
Frequency
7
6
5
4
3
2
1
0
1
2
3
4
5
Likert-Type Scale


Question Number 4
Frequency
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1
2
3
4
5
Likert-Type Scale


Question Number 5
Frequency
6
5
4
3
2
1
0
1
2
3
4
5
Likert-Type Scale


Question Number 6
Frequency
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1
2
3
4
5
Likert-Type Scale


Question Number 7
Frequency
8
7
6
5
4
3
2
1
0
1
2
3
4
5
Likert-Type Scale

APPENDIX F

5) I was able to breath normally while wearing the respirator:
- Gets hot, like breathing in damp air, can't get in as much as normal.
- Not normal air-flow; not easy to breath; ? Cotton filter respirator while sanding drywall [in the past]
- Would be worse if it was a hot day
- Took some getting used to breath

6) I felt that the respirator was necessary for the mulching task:
- Because it's not easy to work with [on]; worse with heat
- good b/c don't breath in dust badly on hot day
- good health factor; mulch was dusty
- Never worn one [respirator] before

7) I would voluntarily choose to wear a respirator again while mulching:
- but yes-if paid; uncomfortable; sweaty
- breathing factor, unless it's really bad mulch
- Difficulty with breathing and heat and humidity for day
- uncomfortable; just there
- [The respirator] gets in the way
- Too uncomfortable, big hassle to smoke, change clothes, etc.
- Too uncomfortable, got in the way of daily activities

8) What changes, if any, would you make to the design of the respirator to make it more comfortable? Or useful?

- Higher or change at nose piece ([the respirator] tends to pinch off nostrils); foan around edges where it rests on face
- Make it properly; put more air holes on the side
- Just factor of wearing one is a problem
- Nose piece too tight (pinch); couldn't breath through his nose-kept breathing through his mouth; really gets humid (increase ventilation)
- [participant] wears a respirator during leaf season
- exhale hole could be BIGGER
- Nose piece - wider; fix chin size
- Not so big
- Adjustable nose band; have it come down to chin, not all the way down the neck; non-fuzzy coating on inside (gets caught on beard stubble)
- Loosen nose piece

9) Are there related issues concerning using or not using the respirator we need to know about? (i.e. organization, policies, peer pressure, etc.)
    - No
    - Peers probably would not wear a respirator
    - Still against wearing a mask
    - Peers would probably not use
    - No, personal choice
    - No, personal choice

10) If you had to design a respirator what would you do? (draw or write a description)
- Wear it, but would definitely want to change to make more comfortable as in [question] 8
- no changes; designed fine
- straps on current [respirator] okay; Straps do come through mask so that it provides a better seal
- Discharge hole bigger
- Nose piece needs to be changed; couldn't breath with it [respirator]; change the shape- nose piece higher or cover the chin to have better seal
- Make it smaller; easier to adjust the nose
- Same design, but different nose piece, non-fuzzy inside
- Smaller base; different inner liner

APPENDIX G

Age versus Respirator Design Questionnaire Responses

AGE RESPIRTOR DESIGN QUESTION #1

The SAS System 21:21 Friday, July 11, 2003 2

The FREQ Procedure

Table of Age by Response

Age Frequency	Response </=3	>3	Total
</=26	4	1	5
>26	2	1	3
Total	6	2	8

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.1778	0.6733
Likelihood Ratio Chi-Square	1	0.1743	0.6764
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.1556	0.6933
Phi Coefficient		0.1491	
Contingency Coefficient		0.1474	
Cramer's V		0.1491	

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)	4
Left-sided Pr <= F	0.8929
Right-sided Pr >= F	0.6429
Table Probability (P)	0.5357
Two-sided Pr <= P	1.0000

Sample Size = 8

AGE RESPIRTOR DESIGN QUESTION #2

The SAS System 21:21 Friday, July 11, 2003 3

The FREQ Procedure

Table of Age by Response

Age	Response		
Frequency	</=3	>3	Total
</=26	3	2	5
>26	2	1	3
Total	5	3	8

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.0356	0.8504
Likelihood Ratio Chi-Square	1	0.0358	0.8499
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0311	0.8600
Phi Coefficient		-0.0667	
Contingency Coefficient		0.0665	
Cramer's V		-0.0667	

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)	3
Left-sided Pr <= F	0.7143
Right-sided Pr >= F	0.8214
Table Probability (P)	0.5357
Two-sided Pr <= P	1.0000

Sample Size = 8

AGE RESPIRTOR DESIGN QUESTION #3

The FREQ Procedure

Table of Age by Response

Age Response

Frequency	</=3	>3	Total
</=26	1	4	5
>26	1	2	3
Total	2	6	8

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.1778	0.6733
Likelihood Ratio Chi-Square	1	0.1743	0.6764
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.1556	0.6933
Phi Coefficient		-0.1491	
Contingency Coefficient		0.1474	
Cramer's V		-0.1491	

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	0.6429
Right-sided Pr >= F	0.8929
Table Probability (P)	0.5357
Two-sided Pr <= P	1.0000

Sample Size = 8

AGE RESPIRTOR DESIGN QUESTION #4

The FREQ Procedure

Table of Age by Response

Age	Response		
Frequency	</=3	>3	Total
</=26	3	2	5

>26	0	4	4
Total	3	6	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	3.6000	0.0578
Likelihood Ratio Chi-Square	1	4.7271	0.0297
Continuity Adj. Chi-Square	1	1.4063	0.2357
Mantel-Haenszel Chi-Square	1	3.2000	0.0736
Phi Coefficient		0.6325	
Contingency Coefficient		0.5345	
Cramer's V		0.6325	

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)	3
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.1190
Table Probability (P)	0.1190
Two-sided Pr <= P	0.1667

Sample Size = 9

AGE RESPIRTOR DESIGN QUESTION #5

The SAS System 21:21 Friday, July 11, 2003 6

The FREQ Procedure

Table of Age by Response

Age / Frequency	</=3	>3	Total
</=26	0	5	5
>26	2	1	3
Total	2	6	8

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	4.4444	0.0350
Likelihood Ratio Chi-Square	1	5.1783	0.0229
Continuity Adj. Chi-Square	1	1.6000	0.2059
Mantel-Haenszel Chi-Square	1	3.8889	0.0486
Phi Coefficient		-0.7454	
Contingency Coefficient		0.5976	
Cramer's V		-0.7454	

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	0.1071
Right-sided Pr >= F	1.0000
Table Probability (P)	0.1071
Two-sided Pr <= P	0.1071

Sample Size = 8

AGE RESPIRTOR DESIGN QUESTION #6

The SAS System 21:21 Friday, July 11, 2003 7

The FREQ Procedure

Table of Age by Response

Age / Frequency	Response </=3	Response >3	Total
</=26	4	1	5
>26	1	2	3
Total	5	3	8

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.7422	0.1869
Likelihood Ratio Chi-Square	1	1.7619	0.1844

Continuity Adj. Chi-Square	1	0.3200	0.5716
Mantel-Haenszel Chi-Square	1	1.5244	0.2169
Phi Coefficient		0.4667	
Contingency Coefficient		0.4229	
Cramer's V		0.4667	

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)	4
Left-sided Pr <= F	0.9821
Right-sided Pr >= F	0.2857
Table Probability (P)	0.2679
Two-sided Pr <= P	0.4643

Sample Size = 8

AGE RESPIRTOR DESIGN QUESTION #7

The FREQ Procedure

Table of Age by Response

Age	Response		
Frequency	</=3	>3	Total
</=26	3	2	5
>26	3	1	4
Total	6	3	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.2250	0.6353
Likelihood Ratio Chi-Square	1	0.2285	0.6327
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.2000	0.6547
Phi Coefficient		-0.1581	
Contingency Coefficient		0.1562	
Cramer's V		-0.1581	

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)	3
Left-sided Pr <= F	0.5952
Right-sided Pr >= F	0.8810
Table Probability (P)	0.4762
Two-sided Pr <= P	1.0000

Sample Size = 9

Smoking versus Respirator Design Questionnaire Responses

RESPIRATOR DESIGN QUESTION #1

The SAS System 09:40 Friday, July 11, 2003
1

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	>3	Total
</=7	3	1	4
>7	3	1	4
Total	6	2	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.0000	1.0000
Likelihood Ratio Chi-Square	1	0.0000	1.0000
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0000	1.0000
Phi Coefficient		0.0000	
Contingency Coefficient		0.0000	
Cramer's V		0.0000	

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)	3
Left-sided Pr <= F	0.7857
Right-sided Pr >= F	0.7857
Table Probability (P)	0.5714
Two-sided Pr <= P	1.0000

Sample Size = 8

RESPIRATOR DESIGN QUESTION #2

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	>3	Total
</=7	2	2	4
>7	3	1	4
Total	5	3	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.5333	0.4652
Likelihood Ratio Chi-Square	1	0.5412	0.4620
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.4667	0.4945
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)	2
Left-sided Pr <= F	0.5000
Right-sided Pr >= F	0.9286
Table Probability (P)	0.4286
Two-sided Pr <= P	1.0000

Sample Size = 8

RESPIRATOR DESIGN QUESTION #3

The SAS System 09:40 Friday, July 11, 2003 4

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	>3	Total
</=7	1	3	4
>7	1	3	4
Total	2	6	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.0000	1.0000
Likelihood Ratio Chi-Square	1	0.0000	1.0000
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0000	1.0000
Phi Coefficient		0.0000	
Contingency Coefficient		0.0000	
Cramer's V		0.0000	

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	0.7857
Right-sided Pr >= F	0.7857
Table Probability (P)	0.5714
Two-sided Pr <= P	1.0000

Sample Size = 8

RESPIRATOR DESIGN QUESTION #4

The SAS System 09:40 Friday, July 11, 2003 5

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	>3	Total
</=7	2	2	4
>7	1	3	4
Total	3	5	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.5333	0.4652
Likelihood Ratio Chi-Square	1	0.5412	0.4620
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.4667	0.4945
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)	2
Left-sided Pr <= F	0.9286
Right-sided Pr >= F	0.5000
Table Probability (P)	0.4286
Two-sided Pr <= P	1.0000

Sample Size = 8

RESPIRATOR DESIGN QUESTION #5

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	>3	Total
</=7	0	4	4
>7	2	2	4

Total	2	6	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	2.6667	0.1025
Likelihood Ratio Chi-Square	1	3.4522	0.0632
Continuity Adj. Chi-Square	1	0.6667	0.4142
Mantel-Haenszel Chi-Square	1	2.3333	0.1266
Phi Coefficient		-0.5774	
Contingency Coefficient		0.5000	
Cramer's V		-0.5774	

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	0.2143
Right-sided Pr >= F	1.0000
Table Probability (P)	0.2143
Two-sided Pr <= P	0.4286

Sample Size = 8

RESPIRATOR DESIGN QUESTION #6

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	Response >3	Total
</=7	3	1	4
>7	2	1	3
Total	5	2	7

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.0583	0.8091
Likelihood Ratio Chi-Square	1	0.0580	0.8097
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0500	0.8231
Phi Coefficient		0.0913	
Contingency Coefficient		0.0909	
Cramer's V		0.0913	

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)	3
Left-sided Pr <= F	0.8571
Right-sided Pr >= F	0.7143
Table Probability (P)	0.5714
Two-sided Pr <= P	1.0000

Sample Size = 7

RESPIRATOR DESIGN QUESTION #7

The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response </=3	Response >3	Total
</=7	2	2	4
>7	4	0	4
Total	6	2	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	2.6667	0.1025
Likelihood Ratio Chi-Square	1	3.4522	0.0632
Continuity Adj. Chi-Square	1	0.6667	0.4142
Mantel-Haenszel Chi-Square	1	2.3333	0.1266
Phi Coefficient		-0.5774	
Contingency Coefficient		0.5000	
Cramer's V		-0.5774	

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)	2
Left-sided Pr <= F	0.2143
Right-sided Pr >= F	1.0000
Table Probability (P)	0.2143
Two-sided Pr <= P	0.4286

Sample Size = 8

Age versus Rylander's Questionnaire Responses

AGE RYLANDER'S QUESTION #1

The FREQ Procedure

Table of Age by Response

Age / Response	NO	YES	Total
Frequency			
</=26	1	4	5
>26	0	4	4
Total	1	8	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.9000	0.3428
Likelihood Ratio Chi-Square	1	1.2750	0.2588
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.8000	0.3711
Phi Coefficient		0.3162	
Contingency Coefficient		0.3015	
Cramer's V		0.3162	

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	0.5556
Table Probability (P)	0.5556
Two-sided Pr <= P	1.0000

Sample Size = 9

AGE RYLANDER'S QUESTION #8

The SAS System 23:24 Friday, July 11, 2003 2

The FREQ Procedure

Table of Age by Response

Age / Frequency	NO	YES	Total
</=26	5	0	5
>26	2	2	4
Total	7	2	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	3.2143	0.0730
Likelihood Ratio Chi-Square	1	3.9895	0.0458
Continuity Adj. Chi-Square	1	0.9723	0.3241
Mantel-Haenszel Chi-Square	1	2.8571	0.0910
Phi Coefficient		0.5976	
Contingency Coefficient		0.5130	
Cramer's V		0.5976	

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)	5
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.1667

Table Probability (P)	0.1667
Two-sided Pr <= P	0.1667

Sample Size = 9

AGE RYLANDER'S QUESTION #12

The SAS System 23:24 Friday, July 11, 2003 3

The FREQ Procedure

Table of Age by Response

Age / Response	NO	YES	Total
Frequency			
</=26	3	2	5
>26	4	0	4
Total	7	2	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	2.0571	0.1515
Likelihood Ratio Chi-Square	1	2.8046	0.0940
Continuity Adj. Chi-Square	1	0.3938	0.5303
Mantel-Haenszel Chi-Square	1	1.8286	0.1763
Phi Coefficient		-0.4781	
Contingency Coefficient		0.4313	
Cramer's V		-0.4781	

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)	3
Left-sided Pr <= F	0.2778
Right-sided Pr >= F	1.0000
Table Probability (P)	0.2778
Two-sided Pr <= P	0.4444

Sample Size = 9

AGE RYLANDER'S QUESTION #14

The SAS System 23:24 Friday, July 11, 2003 4

The FREQ Procedure

Table of Age by Response

Age / Response	NO	YES	Total
Frequency			
</=26	5	0	5
>26	3	1	4
Total	8	1	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.4063	0.2357
Likelihood Ratio Chi-Square	1	1.7803	0.1821
Continuity Adj. Chi-Square	1	0.0141	0.9056
Mantel-Haenszel Chi-Square	1	1.2500	0.2636
Phi Coefficient		0.3953	
Contingency Coefficient		0.3676	
Cramer's V		0.3953	

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)	5
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.4444
Table Probability (P)	0.4444
Two-sided Pr <= P	0.4444

Sample Size = 9

AGE RYLANDER'S QUESTION #15

The SAS System 23:24 Friday, July 11, 2003
5

The FREQ Procedure

Table of Age by Response

Age	Response		
Frequency	NO	YES	Total
</=26	4	1	5
>26	4	0	4
Total	8	1	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.9000	0.3428
Likelihood Ratio Chi-Square	1	1.2750	0.2588
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.8000	0.3711
Phi Coefficient		-0.3162	
Contingency Coefficient		0.3015	
Cramer's V		-0.3162	

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)	4
Left-sided Pr <= F	0.5556
Right-sided Pr >= F	1.0000
Table Probability (P)	0.5556
Two-sided Pr <= P	1.0000

Sample Size = 9

AGE RYLANDER'S QUESTION #16

The FREQ Procedure

Table of Age by Response

Age Frequency	Response NO	YES	Total
</=26	2	3	5
>26	1	3	4
Total	3	6	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.2250	0.6353
Likelihood Ratio Chi-Square	1	0.2285	0.6327
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.2000	0.6547
Phi Coefficient		0.1581	
Contingency Coefficient		0.1562	
Cramer's V		0.1581	

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)	2
Left-sided Pr <= F	0.8810
Right-sided Pr >= F	0.5952
Table Probability (P)	0.4762
Two-sided Pr <= P	1.0000

Sample Size = 9

AGE RYLANDER'S QUESTION #18

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The FREQ Procedure

Table of Age by Response

Age / Frequency	NO	YES	Total
</=26	4	1	5
>26	4	0	4
Total	8	1	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.9000	0.3428
Likelihood Ratio Chi-Square	1	1.2750	0.2588
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.8000	0.3711
Phi Coefficient		-0.3162	
Contingency Coefficient		0.3015	
Cramer's V		-0.3162	

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)	4
Left-sided Pr <= F	0.5556
Right-sided Pr >= F	1.0000
Table Probability (P)	0.5556
Two-sided Pr <= P	1.0000

Sample Size = 9

AGE RYLANDER'S QUESTION #20

The FREQ Procedure

Table of Age by Response

Age / Frequency	NO	YES	Total
</=26	4	1	5
>26	4	0	4
Total	8	1	9

Statistics for Table of Age by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.9000	0.3428
Likelihood Ratio Chi-Square	1	1.2750	0.2588
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.8000	0.3711
Phi Coefficient		-0.3162	
Contingency Coefficient		0.3015	
Cramer's V		-0.3162	

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)	4
Left-sided Pr <= F	0.5556
Right-sided Pr >= F	1.0000
Table Probability (P)	0.5556
Two-sided Pr <= P	1.0000

Sample Size = 9

Smoking versus Rylander's Questionnaire Responses

SMOKING RYLANDER'S QUESTION #1

The FREQ Procedure

Table of Smoking by Response

Smoking	Response		
Frequency	NO	YES	Total
</=7	1	3	4
>7	0	4	4
Total	1	7	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.1429	0.2850
Likelihood Ratio Chi-Square	1	1.5296	0.2162
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	1.0000	0.3173
Phi Coefficient		0.3780	
Contingency Coefficient		0.3536	
Cramer's V		0.3780	

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	0.5000
Table Probability (P)	0.5000
Two-sided Pr <= P	1.0000

Sample Size = 8

SMOKING RYLANDER'S QUESTION #8

The SAS System 09:40 Friday, July 11, 2003 11

The FREQ Procedure

Table of Smoking by Response

Smoking	Response		
Frequency	NO	YES	Total

</=7	4	0	4
>7	2	2	4
Total	6	2	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	2.6667	0.1025
Likelihood Ratio Chi-Square	1	3.4522	0.0632
Continuity Adj. Chi-Square	1	0.6667	0.4142
Mantel-Haenszel Chi-Square	1	2.3333	0.1266
Phi Coefficient		0.5774	
Contingency Coefficient		0.5000	
Cramer's V		0.5774	

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)	4
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.2143
Table Probability (P)	0.2143
Two-sided Pr <= P	0.4286

Sample Size = 8

SMOKING RYLANDER'S QUESTION #12

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The FREQ Procedure

Table of Smoking by Response

Smoking / Response / Frequency	NO	YES	Total
</=7	3	1	4
>7	3	1	4
Total	6	2	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.0000	1.0000
Likelihood Ratio Chi-Square	1	0.0000	1.0000
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0000	1.0000
Phi Coefficient		0.0000	
Contingency Coefficient		0.0000	
Cramer's V		0.0000	

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)	3
Left-sided Pr <= F	0.7857
Right-sided Pr >= F	0.7857
Table Probability (P)	0.5714
Two-sided Pr <= P	1.0000

Sample Size = 8

SMOKING RYLANDER'S QUESTION #14

The SAS System 09:40 Friday, July 11, 2003 16

The FREQ Procedure

Table of Smoking by Response

Smoking / Response	NO	YES	Total
Frequency			
</=7	4	0	4
>7	3	1	4
Total	7	1	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.1429	0.2850

Likelihood Ratio Chi-Square	1	1.5296	0.2162
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	1.0000	0.3173
Phi Coefficient		0.3780	
Contingency Coefficient		0.3536	
Cramer's V		0.3780	

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)	4
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.5000
Table Probability (P)	0.5000
Two-sided Pr <= P	1.0000

Sample Size = 8

SMOKING RYLANDER'S QUESTION #15

The FREQ Procedure

Table of Smoking by Response

Smoking	Response		
Frequency	NO	YES	Total
</=7	3	1	4
>7	4	0	4
Total	7	1	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.1429	0.2850
Likelihood Ratio Chi-Square	1	1.5296	0.2162
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	1.0000	0.3173
Phi Coefficient		-0.3780	
Contingency Coefficient		0.3536	
Cramer's V		-0.3780	

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)	3
Left-sided Pr <= F	0.5000
Right-sided Pr >= F	1.0000
Table Probability (P)	0.5000
Two-sided Pr <= P	1.0000

Sample Size = 8

SMOKING RYLANDER'S QUESTION #16

The FREQ Procedure

Table of Smoking by Response

Smoking Response

Frequency	NO	YES	Total
</=7	1	3	4
>7	1	3	4
Total	2	6	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	0.0000	1.0000
Likelihood Ratio Chi-Square	1	0.0000	1.0000
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0000	1.0000
Phi Coefficient		0.0000	
Contingency Coefficient		0.0000	
Cramer's V		0.0000	

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	0.7857
Right-sided Pr >= F	0.7857
Table Probability (P)	0.5714
Two-sided Pr <= P	1.0000

Sample Size = 8

SMOKING RYLANDER'S QUESTION #18

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The FREQ Procedure

Table of Smoking by Response

Smoking / Response	NO	YES	Total
Frequency			
</=7	4	0	4
>7	3	1	4
Total	7	1	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.1429	0.2850
Likelihood Ratio Chi-Square	1	1.5296	0.2162
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	1.0000	0.3173
Phi Coefficient		0.3780	
Contingency Coefficient		0.3536	
Cramer's V		0.3780	

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)	4
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.5000
Table Probability (P)	0.5000
Two-sided Pr <= P	1.0000

Sample Size = 8

SMOKING RYLANDER'S QUESTION #20

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The FREQ Procedure

Table of Smoking by Response

Smoking Frequency	Response NO	YES	Total
</=7	3	1	4
>7	4	0	4
Total	7	1	8

Statistics for Table of Smoking by Response

Statistic	DF	Value	Prob
Chi-Square	1	1.1429	0.2850
Likelihood Ratio Chi-Square	1	1.5296	0.2162
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	1.0000	0.3173
Phi Coefficient		-0.3780	
Contingency Coefficient		0.3536	
Cramer's V		-0.3780	

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)	3
Left-sided Pr <= F	0.5000
Right-sided Pr >= F	1.0000
Table Probability (P)	0.5000
Two-sided Pr <= P	1.0000

Sample Size = 8