

APPENDIX 26: CO-EFFICIENT OF VARIATION OF THE MEAN TO ASSESS THE REPRESENTATIVENESS OF THE RESPONDENTS IN THE SECOND SURVEY

AUDITORS

QUE	SA	A	U	D	SD	TOT	AVE	%POS	SD X SD	SD	CVM% (s/be <10%)
1	7	11	3	2	0	23	4	78	0.818182	0.904534	4.71521
2	4	9	3	4	3	23	3.3	57	1.766798	1.32921	8.387718
3	4	12	2	4	1	23	3.6	70	1.249012	1.117592	6.45757
4	5	13	2	3	0	23	3.9	78	0.84585	0.919701	4.955877
5	5	12	3	2	1	23	3.8	74	1.086957	1.042572	5.747126
6a	7	13	1	2	0	23	4.1	87	0.719368	0.848155	4.327245
6b	7	13	0	2	1	23	4	87	1.090909	1.044466	5.444655
6c	2	15	3	2	1	23	3.7	74	0.873518	0.934622	5.336058
6d	4	14	2	3	0	23	3.8	78	0.786561	0.886883	4.833342
6e	1	16	2	4	0	23	3.6	74	0.703557	0.838783	4.846582
6f	3	10	5	3	2	23	3.4	57	1.339921	1.15755	7.117196

MANAGERS

QUE	SA	A	U	D	SD	TOT	AVE	%POS	SD X SD	SD	CVM% (s/be <10%)
1	6	11	2	0	0	19	4.2	89	0.397661	0.630604	3.435921
2	3	8	3	5	0	19	3.5	58	1.152047	1.073334	7.088722
3	2	14	2	1	0	19	3.9	84	0.432749	0.657836	3.874921
4	2	12	5	0	0	19	3.8	74	0.362573	0.60214	3.595437
5	1	16	2	0	0	19	3.9	89	0.163743	0.404651	2.351779
6a	4	13	2	0	0	19	4.1	89	0.321637	0.567131	3.169316
6b	8	10	0	1	0	19	4.3	95	0.561404	0.749269	3.98291
6c	3	9	5	2	0	19	3.7	63	0.783626	0.885226	5.512303
6d	3	10	4	2	0	19	3.7	68	0.760234	0.871914	5.352936
6e	2	12	2	3	0	19	3.7	74	0.783626	0.885226	5.512303
6f	3	4	6	6	0	19	3.2	37	1.175439	1.084176	7.747239

USERS

QUE	SA	A	U	D	SD	TOT	AVE	%POS	SD X SD	SD	CVM% (s/be <10%)
1	5	11	1	2	0	19	4	84	0.777778	0.881917	5.058141
2	4	13	2	0	0	19	4.1	89	0.321637	0.567131	3.169316
3	6	11	2	0	0	19	4.2	89	0.397661	0.630604	3.435921
4	7	8	3	1	0	19	4.1	79	0.766082	0.875261	4.891249
5	6	11	2	0	0	19	4.2	89	0.397661	0.630604	3.435921
6a	10	9	0	0	0	19	4.5	100	0.263158	0.512989	2.600079
6b	6	10	0	3	0	19	4	84	1	1	5.735393
6c	5	9	4	1	0	19	3.9	74	0.719298	0.848115	4.929127
6d	5	9	3	2	0	19	3.9	74	0.877193	0.936586	5.516869
6e	7	8	1	3	0	19	4	79	1.111111	1.054093	6.045635
6f	6	10	0	3	0	19	4	84	1	1	5.735393

sample size = 20
 WARNING: 10% of the cells have expected counts less than 5. Chi-Square may not be a good fit.

APPENDIX 27: FISHER'S EXACT TEST OF FIRST VS SECOND STUDY RESPONSES

The SAS System
15:42 Tuesday, December 12, 1995

QUESTION 1	AUDITORS	OBS	TELLING	BELPOS	WT
		1	5	1	19
		2	5	2	7
		3	4	1	88
		4	4	2	11
		5	3	1	20
		6	3	2	3
		7	2	1	28
		8	2	2	2
		9	1	1	9
		10	1	2	0

The SAS System
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	9	0	9
2	28	2	30
3	20	3	23
4	88	11	99
5	19	7	26
Total	164	23	187

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	7.441	0.114
Likelihood Ratio Chi-Square	4	7.580	0.108
Mantel-Haenszel Chi-Square	1	4.637	0.031
Fisher's Exact Test (2-Tail)			0.172
Phi Coefficient		0.199	
Contingency Coefficient		0.196	
Cramer's V		0.199	

Sample Size = 187

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System
15:42 Tuesday, December 12, 1995

QUESTION 1	MANAGERS	OBS	TELLING	BELPOS	WT
------------	----------	-----	---------	--------	----

1	5	1	17
2	5	2	6
3	4	1	56
4	4	2	11
5	3	1	19
6	3	2	2
7	2	1	18
8	2	2	0
9	1	1	3
10	1	2	0

1

The SAS System 4
 15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	3	0	3
2	18	0	18
3	19	2	21
4	56	11	67
5	17	6	23
Total	113	19	132

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	6.710	0.152
Likelihood Ratio Chi-Square	4	9.335	0.053
Mantel-Haenszel Chi-Square	1	6.483	0.011
Fisher's Exact Test (2-Tail)			0.160
Phi Coefficient		0.225	
Contingency Coefficient		0.220	
Cramer's V		0.225	

Sample Size = 132

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1

The SAS System 5
 15:42 Tuesday, December 12, 1995

QUESTION 1 USERS

OBS	TELLING	BELPOS	WT
1	5	1	46
2	5	2	5
3	4	1	113
4	4	2	11
5	3	1	28

6	3	2	1
7	2	1	43
8	2	2	2
9	1	1	6
10	1	2	0

1

The SAS System 6
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	6	0	6
2	43	2	45
3	28	1	29
4	113	11	124
5	46	5	51
Total	236	19	255

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	2.519	0.641
Likelihood Ratio Chi-Square	4	3.160	0.531
Mantel-Haenszel Chi-Square	1	2.081	0.149
Fisher's Exact Test (2-Tail)			0.770
Phi Coefficient		0.099	
Contingency Coefficient		0.099	
Cramer's V		0.099	

Sample Size = 255

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1

The SAS System 7
15:42 Tuesday, December 12, 1995

QUESTION 2	AUDITORS	OBS	TELLING	BELPOS	WT
		1	5	1	17
		2	5	2	4
		3	4	1	62
		4	4	2	9
		5	3	1	37
		6	3	2	3
		7	2	1	39
		8	2	2	4
		9	1	1	8
		10	1	2	3

1

The SAS System 8

15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	8	3	11
2	39	4	43
3	37	3	40
4	62	9	71
5	17	4	21
Total	163	23	186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	4.374	0.358
Likelihood Ratio Chi-Square	4	3.930	0.416
Mantel-Haenszel Chi-Square	1	0.045	0.831
Fisher's Exact Test (2-Tail)			0.325
Phi Coefficient		0.153	
Contingency Coefficient		0.152	
Cramer's V		0.153	

Sample Size = 186

WARNING: 30% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 9
15:42 Tuesday, December 12, 1995

QUESTION 2 MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	12
2	5	2	3
3	4	1	44
4	4	2	8
5	3	1	26
6	3	2	3
7	2	1	24
8	2	2	5
9	1	1	8
10	1	2	0

The SAS System 10
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS
---------	--------

Frequency	1	2	Total
1	8	0	8
2	24	5	29
3	26	3	29
4	44	8	52
5	12	3	15
Total	114	19	133

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	2.359	0.670
Likelihood Ratio Chi-Square	4	3.477	0.481
Mantel-Haenszel Chi-Square	1	0.687	0.407
Fisher's Exact Test (2-Tail)			0.750
Phi Coefficient		0.133	
Contingency Coefficient		0.132	
Cramer's V		0.133	

Sample Size = 133

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 11
15:42 Tuesday, December 12, 1995

QUESTION 2 USERS

OBS	TELLING	BELPOS	WT
1	5	1	65
2	5	2	4
3	4	1	83
4	4	2	13
5	3	1	41
6	3	2	2
7	2	1	40
8	2	2	0
9	1	1	7
10	1	2	0

1 The SAS System 12
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	7	0	7
2	40	0	40

3	41	2	43
4	83	13	96
5	65	4	69
Total	236	19	255

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	9.711	0.046
Likelihood Ratio Chi-Square	4	12.365	0.015
Mantel-Haenszel Chi-Square	1	2.658	0.103
Fisher's Exact Test (2-Tail)			0.058
Phi Coefficient		0.195	
Contingency Coefficient		0.192	
Cramer's V		0.195	

Sample Size = 255

WARNING: 30% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 13
15:42 Tuesday, December 12, 1995

QUESTION 3 AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	21
2	5	2	4
3	4	1	96
4	4	2	12
5	3	1	20
6	3	2	2
7	2	1	18
8	2	2	4
9	1	1	8
10	1	2	1

The SAS System 14
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	8	1	9
2	18	4	22
3	20	2	22
4	96	12	108
5	21	4	25

Total 163 23 186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	1.379	0.848
Likelihood Ratio Chi-Square	4	1.306	0.860
Mantel-Haenszel Chi-Square	1	0.017	0.897
Fisher's Exact Test (2-Tail)			0.799
Phi Coefficient		0.086	
Contingency Coefficient		0.086	
Cramer's V		0.086	

Sample Size = 186

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 15
15:42 Tuesday, December 12, 1995

QUESTION 3 MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	11
2	5	2	2
3	4	1	68
4	4	2	14
5	3	1	19
6	3	2	2
7	2	1	13
8	2	2	1
9	1	1	4
10	1	2	0

1 The SAS System 16
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	4	0	4
2	13	1	14
3	19	2	21
4	68	14	82
5	11	2	13
Total	115	19	134

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
-----------	----	-------	------

```

-----
Chi-Square                4      2.184      0.702
Likelihood Ratio Chi-Square  4      2.867      0.580
Mantel-Haenszel Chi-Square  1      1.731      0.188
Fisher's Exact Test (2-Tail)
Phi Coefficient                0.128
Contingency Coefficient      0.127
Cramer's V                   0.128
    
```

Sample Size = 134

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

```

1                               The SAS System                               17
                               15:42 Tuesday, December 12, 1995
QUESTION 3 USERS
    
```

OBS	TELLING	BELPOS	WT
1	5	1	62
2	5	2	6
3	4	1	131
4	4	2	11
5	3	1	17
6	3	2	2
7	2	1	22
8	2	2	0
9	1	1	3
10	1	2	0

```

1                               The SAS System                               18
                               15:42 Tuesday, December 12, 1995
    
```

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	3	0	3
2	22	0	22
3	17	2	19
4	131	11	142
5	62	6	68
Total	235	19	254

STATISTICS FOR TABLE OF TELLING BY BELPOS

```

-----
Statistic                DF      Value      Prob
-----
Chi-Square                4      2.468      0.650
Likelihood Ratio Chi-Square  4      4.298      0.367
Mantel-Haenszel Chi-Square  1      1.317      0.251
Fisher's Exact Test (2-Tail)
Phi Coefficient                0.099
    
```

Contingency Coefficient 0.098
 Cramer's V 0.099

Sample Size = 254

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 19
 15:42 Tuesday, December 12, 1995

QUESTION 4 AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	17
2	5	2	5
3	4	1	96
4	4	2	13
5	3	1	26
6	3	2	2
7	2	1	21
8	2	2	3
9	1	1	4
10	1	2	0

1 The SAS System 20
 15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		
Frequency	1	2	Total
1	4	0	4
2	21	3	24
3	26	2	28
4	96	13	109
5	17	5	22
Total	164	23	187

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	3.484	0.480
Likelihood Ratio Chi-Square	4	3.698	0.448
Mantel-Haenszel Chi-Square	1	1.522	0.217
Fisher's Exact Test (2-Tail)			0.535
Phi Coefficient		0.136	
Contingency Coefficient		0.135	
Cramer's V		0.136	

Sample Size = 187

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 21
15:42 Tuesday, December 12, 1995

QUESTION 4 MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	13
2	5	2	2
3	4	1	49
4	4	2	12
5	3	1	29
6	3	2	5
7	2	1	23
8	2	2	0
9	1	1	1
10	1	2	0

1 The SAS System 22
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	1	0	1
2	23	0	23
3	29	5	34
4	49	12	61
5	13	2	15
Total	115	19	134

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	5.494	0.240
Likelihood Ratio Chi-Square	4	8.732	0.068
Mantel-Haenszel Chi-Square	1	3.115	0.078
Fisher's Exact Test (2-Tail)			0.159
Phi Coefficient		0.202	
Contingency Coefficient		0.198	
Cramer's V		0.202	

Sample Size = 134

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 23
15:42 Tuesday, December 12, 1995

QUESTION 4 USERS

OBS	TELLING	BELPOS	WT
1	5	1	58
2	5	2	7
3	4	1	122
4	4	2	8
5	3	1	37
6	3	2	3
7	2	1	18
8	2	2	1
9	1	1	1
10	1	2	0

The SAS System 24
 15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	1	0	1
2	18	1	19
3	37	3	40
4	122	8	130
5	58	7	65
Total	236	19	255

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	1.568	0.815
Likelihood Ratio Chi-Square	4	1.558	0.816
Mantel-Haenszel Chi-Square	1	0.779	0.378
Fisher's Exact Test (2-Tail)			0.718
Phi Coefficient		0.078	
Contingency Coefficient		0.078	
Cramer's V		0.078	

Sample Size = 255

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 25
 15:42 Tuesday, December 12, 1995

QUESTION 5 AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	12
2	5	2	5
3	4	1	82
4	4	2	12

5	3	1	38
6	3	2	3
7	2	1	25
8	2	2	2
9	1	1	6
10	1	2	1

1

The SAS System 26
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	6	1	7
2	25	2	27
3	38	3	41
4	82	12	94
5	12	5	17
Total	163	23	186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	6.173	0.187
Likelihood Ratio Chi-Square	4	5.321	0.256
Mantel-Haenszel Chi-Square	1	2.730	0.098
Fisher's Exact Test (2-Tail)			0.197
Phi Coefficient		0.182	
Contingency Coefficient		0.179	
Cramer's V		0.182	

Sample Size = 186

WARNING: 30% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1

The SAS System 27
15:42 Tuesday, December 12, 1995

QUESTION 5 MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	10
2	5	2	1
3	4	1	66
4	4	2	16
5	3	1	25
6	3	2	2
7	2	1	12
8	2	2	0
9	1	1	2
10	1	2	0

The SAS System 28
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	2	0	2
2	12	0	12
3	25	2	27
4	66	16	82
5	10	1	11
Total	115	19	134

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	5.481	0.241
Likelihood Ratio Chi-Square	4	7.492	0.112
Mantel-Haenszel Chi-Square	1	2.820	0.093
Fisher's Exact Test (2-Tail)			0.314
Phi Coefficient		0.202	
Contingency Coefficient		0.198	
Cramer's V		0.202	

Sample Size = 134

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 29
15:42 Tuesday, December 12, 1995

QUESTION 5 USERS

OBS	TELLING	BELPOS	WT
1	5	1	52
2	5	2	6
3	4	1	120
4	4	2	11
5	3	1	35
6	3	2	2
7	2	1	26
8	2	2	0
9	1	1	2
10	1	2	0

The SAS System 30
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS
---------	--------

Frequency	1	2	Total
1	2	0	2
2	26	0	26
3	35	2	37
4	120	11	131
5	52	6	58
Total	235	19	254

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	3.341	0.503
Likelihood Ratio Chi-Square	4	5.380	0.250
Mantel-Haenszel Chi-Square	1	3.115	0.078
Fisher's Exact Test (2-Tail)			0.479
Phi Coefficient		0.115	
Contingency Coefficient		0.114	
Cramer's V		0.115	

Sample Size = 254

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 31
15:42 Tuesday, December 12, 1995

QUESTION 6A AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	25
2	5	2	7
3	4	1	109
4	4	2	13
5	3	1	12
6	3	2	1
7	2	1	12
8	2	2	2
9	1	1	5
10	1	2	0

1 The SAS System 32
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	5	0	5
2	12	2	14

3	12	1	13
4	109	13	122
5	25	7	32
Total	163	23	186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	4.015	0.404
Likelihood Ratio Chi-Square	4	4.249	0.373
Mantel-Haenszel Chi-Square	1	1.585	0.208
Fisher's Exact Test (2-Tail)			0.457
Phi Coefficient		0.147	
Contingency Coefficient		0.145	
Cramer's V		0.147	

Sample Size = 186

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 33
15:42 Tuesday, December 12, 1995

QUESTION 6A MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	13
2	5	2	4
3	4	1	79
4	4	2	13
5	3	1	13
6	3	2	2
7	2	1	8
8	2	2	0
9	1	1	1
10	1	2	0

The SAS System 34
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	1	0	1
2	8	0	8
3	13	2	15
4	79	13	92
5	13	4	17

```

-----+-----+-----+
Total          114          19          133
    
```

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	2.699	0.609
Likelihood Ratio Chi-Square	4	3.813	0.432
Mantel-Haenszel Chi-Square	1	2.244	0.134
Fisher's Exact Test (2-Tail)			0.585
Phi Coefficient		0.142	
Contingency Coefficient		0.141	
Cramer's V		0.142	

Sample Size = 133

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 35
15:42 Tuesday, December 12, 1995

QUESTION 6A USERS

OBS	TELLING	BELPOS	WT
1	5	1	76
2	5	2	10
3	4	1	139
4	4	2	9
5	3	1	6
6	3	2	0
7	2	1	13
8	2	2	0
9	1	1	1
10	1	2	0

The SAS System 36
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	1	0	1
2	13	0	13
3	6	0	6
4	139	9	148
5	76	10	86
Total	235	19	254

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	4.173	0.383
Likelihood Ratio Chi-Square	4	5.406	0.248
Mantel-Haenszel Chi-Square	1	3.857	0.050
Fisher's Exact Test (2-Tail)			0.402
Phi Coefficient		0.128	
Contingency Coefficient		0.127	
Cramer's V		0.128	

Sample Size = 254

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 37
15:42 Tuesday, December 12, 1995

QUESTION 6B AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	37
2	5	2	7
3	4	1	100
4	4	2	13
5	3	1	13
6	3	2	0
7	2	1	8
8	2	2	2
9	1	1	4
10	1	2	1

The SAS System 38
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	4	1	5
2	8	2	10
3	13	0	13
4	100	13	113
5	37	7	44
Total	162	23	185

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	3.213	0.523
Likelihood Ratio Chi-Square	4	4.681	0.322
Mantel-Haenszel Chi-Square	1	0.016	0.900
Fisher's Exact Test (2-Tail)			0.384

Phi Coefficient 0.132
 Contingency Coefficient 0.131
 Cramer's V 0.132

Sample Size = 185

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 39
 15:42 Tuesday, December 12, 1995

QUESTION 6B MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	22
2	5	2	8
3	4	1	72
4	4	2	10
5	3	1	11
6	3	2	0
7	2	1	8
8	2	2	1
9	1	1	3
10	1	2	0

1 The SAS System 40
 15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	3	0	3
2	8	1	9
3	11	0	11
4	72	10	82
5	22	8	30
Total	116	19	135

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	6.532	0.163
Likelihood Ratio Chi-Square	4	7.818	0.098
Mantel-Haenszel Chi-Square	1	4.026	0.045
Fisher's Exact Test (2-Tail)			0.211
Phi Coefficient		0.220	
Contingency Coefficient		0.215	
Cramer's V		0.220	

Sample Size = 135

WARNING: 50% of the cells have expected counts less

than 5. Chi-Square may not be a valid test.

1 The SAS System 41
15:42 Tuesday, December 12, 1995

QUESTION 6B USERS

OBS	TELLING	BELPOS	WT
1	5	1	76
2	5	2	6
3	4	1	138
4	4	2	10
5	3	1	15
6	3	2	0
7	2	1	8
8	2	2	3

1 The SAS System 42
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
2	8	3	11
3	15	0	15
4	138	10	148
5	76	6	82
Total	237	19	256

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	3	7.608	0.055
Likelihood Ratio Chi-Square	3	6.360	0.095
Mantel-Haenszel Chi-Square	1	1.215	0.270
Fisher's Exact Test (2-Tail)			0.104
Phi Coefficient		0.172	
Contingency Coefficient		0.170	
Cramer's V		0.172	

Sample Size = 256

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 43
15:42 Tuesday, December 12, 1995

QUESTION 6C AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	12

2	5	2	2
3	4	1	79
4	4	2	15
5	3	1	39
6	3	2	3
7	2	1	27
8	2	2	2
9	1	1	6
10	1	2	1

The SAS System 44
 15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	6	1	7
2	27	2	29
3	39	3	42
4	79	15	94
5	12	2	14
Total	163	23	186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	3.048	0.550
Likelihood Ratio Chi-Square	4	3.262	0.515
Mantel-Haenszel Chi-Square	1	1.448	0.229
Fisher's Exact Test (2-Tail)			0.511
Phi Coefficient		0.128	
Contingency Coefficient		0.127	
Cramer's V		0.128	

Sample Size = 186

WARNING: 30% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 45
 15:42 Tuesday, December 12, 1995

QUESTION 6C	MANAGERS	TELLING	BELPOS	WT
	OBS			
	1	5	1	9
	2	5	2	3
	3	4	1	48
	4	4	2	9
	5	3	1	36
	6	3	2	5
	7	2	1	17

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	5	0	5
2	30	1	31
3	52	4	56
4	111	9	120
5	38	5	43
Total	236	19	255

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	2.301	0.681
Likelihood Ratio Chi-Square	4	2.728	0.604
Mantel-Haenszel Chi-Square	1	1.991	0.158
Fisher's Exact Test (2-Tail)			0.774
Phi Coefficient		0.095	
Contingency Coefficient		0.095	
Cramer's V		0.095	

Sample Size = 255

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 49
15:42 Tuesday, December 12, 1995

QUESTION 6D	AUDITORS	TELLING	BELPOS	WT
	OBS			
	1	5	1	18
	2	5	2	4
	3	4	1	78
	4	4	2	14
	5	3	1	32
	6	3	2	2
	7	2	1	31
	8	2	2	3
	9	1	1	4
	10	1	2	0

The SAS System 50
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	

1	4	0	4
2	31	3	34
3	32	2	34
4	78	14	92
5	18	4	22
Total	163	23	186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	3.654	0.455
Likelihood Ratio Chi-Square	4	4.345	0.361
Mantel-Haenszel Chi-Square	1	2.737	0.098
Fisher's Exact Test (2-Tail)			0.505
Phi Coefficient		0.140	
Contingency Coefficient		0.139	
Cramer's V		0.140	

Sample Size = 186

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 51
15:42 Tuesday, December 12, 1995

QUESTION 6D MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	8
2	5	2	3
3	4	1	56
4	4	2	10
5	3	1	29
6	3	2	4
7	2	1	19
8	2	2	2
9	1	1	3
10	1	2	0

1 The SAS System 52
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	3	0	3
2	19	2	21
3	29	4	33

4	56	10	66
5	8	3	11
Total	115	19	134

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	2.586	0.629
Likelihood Ratio Chi-Square	4	2.779	0.595
Mantel-Haenszel Chi-Square	1	2.027	0.155
Fisher's Exact Test (2-Tail)			0.709
Phi Coefficient		0.139	
Contingency Coefficient		0.138	
Cramer's V		0.139	

Sample Size = 134

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 53
15:42 Tuesday, December 12, 1995

QUESTION 6D USERS

OBS	TELLING	BELPOS	WT
1	5	1	40
2	5	2	5
3	4	1	132
4	4	2	9
5	3	1	32
6	3	2	3
7	2	1	31
8	2	2	2
9	1	1	3
10	1	2	0

1 The SAS System 54
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	3	0	3
2	31	2	33
3	32	3	35
4	132	9	141
5	40	5	45
Total	238	19	257

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	1.515	0.824
Likelihood Ratio Chi-Square	4	1.635	0.803
Mantel-Haenszel Chi-Square	1	0.515	0.473
Fisher's Exact Test (2-Tail)			0.754
Phi Coefficient		0.077	
Contingency Coefficient		0.077	
Cramer's V		0.077	

Sample Size = 257

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 55
15:42 Tuesday, December 12, 1995

QUESTION 6E AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	13
2	5	2	1
3	4	1	88
4	4	2	16
5	3	1	32
6	3	2	2
7	2	1	26
8	2	2	4
9	1	1	4
10	1	2	0

1 The SAS System 56
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	4	0	4
2	26	4	30
3	32	2	34
4	88	16	104
5	13	1	14
Total	163	23	186

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	3.136	0.535

Likelihood Ratio Chi-Square	4	3.905	0.419
Mantel-Haenszel Chi-Square	1	0.327	0.567
Fisher's Exact Test (2-Tail)			0.667
Phi Coefficient		0.130	
Contingency Coefficient		0.129	
Cramer's V		0.130	

Sample Size = 186

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 57
15:42 Tuesday, December 12, 1995

QUESTION 6E MANAGERS

OBS	TELLING	BELPOS	WT
1	5	1	8
2	5	2	2
3	4	1	41
4	4	2	12
5	3	1	24
6	3	2	2
7	2	1	36
8	2	2	3
9	1	1	5
10	1	2	0

The SAS System 58
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	5	0	5
2	36	3	39
3	24	2	26
4	41	12	53
5	8	2	10
Total	114	19	133

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	6.430	0.169
Likelihood Ratio Chi-Square	4	7.128	0.129
Mantel-Haenszel Chi-Square	1	5.028	0.025
Fisher's Exact Test (2-Tail)			0.190
Phi Coefficient		0.220	
Contingency Coefficient		0.215	
Cramer's V		0.220	

Sample Size = 133

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 59
15:42 Tuesday, December 12, 1995

QUESTION 6E USERS

OBS	TELLING	BELPOS	WT
1	5	1	36
2	5	2	7
3	4	1	107
4	4	2	8
5	3	1	45
6	3	2	1
7	2	1	44
8	2	2	3
9	1	1	5
10	1	2	0

1 The SAS System 60
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		
Frequency	1	2	Total
1	5	0	5
2	44	3	47
3	45	1	46
4	107	8	115
5	36	7	43
Total	237	19	256

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	7.264	0.123
Likelihood Ratio Chi-Square	4	7.148	0.128
Mantel-Haenszel Chi-Square	1	3.669	0.055
Fisher's Exact Test (2-Tail)			0.179
Phi Coefficient		0.168	
Contingency Coefficient		0.166	
Cramer's V		0.168	

Sample Size = 256

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 61
15:42 Tuesday, December 12, 1995

QUESTION 6F AUDITORS

OBS	TELLING	BELPOS	WT
1	5	1	10
2	5	2	3
3	4	1	28
4	4	2	10
5	3	1	60
6	3	2	5
7	2	1	51
8	2	2	3
9	1	1	13
10	1	2	2

1 The SAS System 62
15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
Frequency	1	2	
1	13	2	15
2	51	3	54
3	60	5	65
4	28	10	38
5	10	3	13
Total	162	23	185

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	11.779	0.019
Likelihood Ratio Chi-Square	4	10.864	0.028
Mantel-Haenszel Chi-Square	1	5.972	0.015
Fisher's Exact Test (2-Tail)			0.017
Phi Coefficient		0.252	
Contingency Coefficient		0.245	
Cramer's V		0.252	

Sample Size = 185

WARNING: 30% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

1 The SAS System 63
15:42 Tuesday, December 12, 1995

QUESTION 6F MANAGERS

OBS	TELLING	BELPOS	WT
-----	---------	--------	----

1	5	1	2
2	5	2	3
3	4	1	10
4	4	2	4
5	3	1	38
6	3	2	6
7	2	1	55
8	2	2	6
9	1	1	9
10	1	2	0

The SAS System 64
 15:42 Tuesday, December 12, 1995

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		
Frequency	1	2	Total
1	9	0	9
2	55	6	61
3	38	6	44
4	10	4	14
5	2	3	5
Total	114	19	133

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	13.368	0.010
Likelihood Ratio Chi-Square	4	11.339	0.023
Mantel-Haenszel Chi-Square	1	10.526	0.001
Fisher's Exact Test (2-Tail)			0.020
Phi Coefficient		0.317	
Contingency Coefficient		0.302	
Cramer's V		0.317	

Sample Size = 133

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

The SAS System 65
 15:42 Tuesday, December 12, 1995

QUESTION 6F USERS

OBS	TELLING	BELPOS	WT
1	5	1	30
2	5	2	6
3	4	1	55
4	4	2	10
5	3	1	77
6	3	2	0

7	2	1	64
8	2	2	3
9	1	1	10
10	1	2	0

1

The SAS System

15:42 Tuesday, December 12, 1995 66

TABLE OF TELLING BY BELPOS

TELLING	BELPOS		Total
	1	2	
Frequency			
1	10	0	10
2	64	3	67
3	77	0	77
4	55	10	65
5	30	6	36
Total	236	19	255

STATISTICS FOR TABLE OF TELLING BY BELPOS

Statistic	DF	Value	Prob
Chi-Square	4	18.230	0.001
Likelihood Ratio Chi-Square	4	22.475	0.000
Mantel-Haenszel Chi-Square	1	11.006	0.001
Fisher's Exact Test (2-Tail)			3.68E-04
Phi Coefficient		0.267	
Contingency Coefficient		0.258	
Cramer's V		0.267	

Sample Size = 255

WARNING: 40% of the cells have expected counts less than 5. Chi-Square may not be a valid test.