The FREQ Procedure

Goals	Frequency
Grades	247
Popular	141
Sports	90

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of Gender by Group_grade		
	Group_grade		
Gender	1_Chosen_More_Often	2_Chosen_All_Others	Total
boy	117 24.48 51.54 47.37	110 23.01 48.46 47.62	227 47.49
girl	130 27.20 51.79 52.63	121 25.31 48.21 52.38	251 52.51
Total	247 51.67	231 48.33	478 100.00

Statistics for Table of Gender by Group_grade

Statistic	DF	Value	Prob
Chi-Square	1	0.0030	0.9563
Likelihood Ratio Chi-Square	1	0.0030	0.9563
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0030	0.9563
Phi Coefficient		-0.0025	
Contingency Coefficient		0.0025	
Cramer's V		-0.0025	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	117
Left-sided Pr <= F	0.5147
Right-sided Pr >= F	0.5582
Table Probability (P)	0.0729
Two-sided Pr <= P	1.0000

Sample Size = 478

The FREQ Procedure

Summary Statistics for Gender by Group_grade

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0030	0.9563
2	Row Mean Scores Differ	1	0.0030	0.9563
3	General Association	1	0.0030	0.9563

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	0.9900	0.6912	1.4179
	Logit	0.9900	0.6912	1.4179
Relative Risk (Column 1)	Mantel-Haenszel	0.9952	0.8365	1.1839
	Logit	0.9952	0.8365	1.1839
Relative Risk (Column 2)	Mantel-Haenszel	1.0052	0.8349	1.2102
	Logit	1.0052	0.8349	1.2102

Total Sample Size = 478

Frequency Percent Row Pct Col Pct	Table of Race by Group_grade		
	Group_grade		
Race	1_Chosen_More_Often	2_Chosen_All_Others	Total
Other	22 4.60 61.11 8.91	14 2.93 38.89 6.06	36 7.53
White	225 47.07 50.90 91.09	217 45.40 49.10 93.94	442 92.47
Total	247 51.67	231 48.33	478 100.00

The FREQ Procedure

Statistics for Table of Race by Group_grade

Statistic	DF	Value	Prob
Chi-Square	1	1.3886	0.2386
Likelihood Ratio Chi-Square	1	1.4018	0.2364
Continuity Adj. Chi-Square	1	1.0099	0.3149
Mantel-Haenszel Chi-Square	1	1.3857	0.2391
Phi Coefficient		0.0539	
Contingency Coefficient		0.0538	
Cramer's V		0.0539	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	22
Left-sided Pr <= F	0.9123
Right-sided Pr >= F	0.1575
Table Probability (P)	0.0698
Two-sided Pr <= P	0.2984

Sample Size = 478

The FREQ Procedure

Summary Statistics for Race by Group_grade

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.3857	0.2391
2	Row Mean Scores Differ	1	1.3857	0.2391
3	General Association	1	1.3857	0.2391

Common Odds Ratio and Relative Risks				
Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	1.5156	0.7560	3.0384
	Logit	1.5156	0.7560	3.0384
Relative Risk (Column 1)	Mantel-Haenszel	1.2005	0.9108	1.5824
	Logit	1.2005	0.9108	1.5824
Relative Risk (Column 2)	Mantel-Haenszel	0.7921	0.5203	1.2060
	Logit	0.7921	0.5203	1.2060

Total Sample Size = 478

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of Group_grade by Grade			

	Grade			
Group_grade	4	5	6	Total
1_Chosen_More_Often	63 13.18 25.51 52.94	88 18.41 35.63 50.00	96 20.08 38.87 52.46	247 51.67
2_Chosen_All_Others	56 11.72 24.24 47.06	88 18.41 38.10 50.00	87 18.20 37.66 47.54	231 48.33
Total	119 24.90	176 36.82	183 38.28	478 100.00

Statistics for Table of Group_grade by Grade

Statistic	DF	Value	Prob
Chi-Square	2	0.3192	0.8525
Likelihood Ratio Chi-Square	2	0.3191	0.8525
Mantel-Haenszel Chi-Square	1	0.0001	0.9934
Phi Coefficient		0.0258	
Contingency Coefficient		0.0258	
Cramer's V		0.0258	

Cochran-Armitage Trend Test	
Statistic (Z)	-0.0083
One-sided Pr < Z	0.4967
Two-sided Pr > |Z|	0.9934

Sample Size = 478

Frequency Percent Row Pct Col Pct	Table of Group_grade by Age						

	Age						
Group_grade	7	9	10	11	12	13	Total
1_Chosen_More_Often	1 0.21 0.40 100.00	50 10.46 20.24 50.00	72 15.06 29.15 54.55	94 19.67 38.06 49.74	29 6.07 11.74 55.77	1 0.21 0.40 25.00	247 51.67
2_Chosen_All_Others	0 0.00 0.00 0.00	50 10.46 21.65 50.00	60 12.55 25.97 45.45	95 19.87 41.13 50.26	23 4.81 9.96 44.23	3 0.63 1.30 75.00	231 48.33
Total	1 0.21	100 20.92	132 27.62	189 39.54	52 10.88	4 0.84	478 100.00

The FREQ Procedure

Statistics for Table of Group_grade by Age

Statistic	DF	Value	Prob
Chi-Square	5	3.2566	0.6605
Likelihood Ratio Chi-Square	5	3.6887	0.5950
Mantel-Haenszel Chi-Square	1	0.0496	0.8238
Phi Coefficient		0.0825	
Contingency Coefficient		0.0823	
Cramer's V		0.0825	
WARNING: 33% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Cochran-Armitage Trend Test	
Statistic (Z)	-0.2229
One-sided Pr < Z	0.4118
Two-sided Pr > |Z|	0.8236

Sample Size = 478

Frequency
Percent
Row Pct
Col Pct

Table of Group_grade by UrbanRural

Group_grade	Rural	Subur	Urban	Total
1_Chosen_More_Often	57 11.92 23.08 38.26	87 18.20 35.22 57.62	103 21.55 41.70 57.87	247 51.67
2_Chosen_All_Others	92 19.25 39.83 61.74	64 13.39 27.71 42.38	75 15.69 32.47 42.13	231 48.33
Total	149 31.17	151 31.59	178 37.24	478 100.00

The FREQ Procedure

Statistics for Table of Group_grade by UrbanRural

Statistic	DF	Value	Prob
Chi-Square	2	15.6112	0.0004
Likelihood Ratio Chi-Square	2	15.7030	0.0004
Mantel-Haenszel Chi-Square	1	11.8186	0.0006
Phi Coefficient		0.1807	
Contingency Coefficient		0.1778	
Cramer's V		0.1807	

Cochran-Armitage Trend Test	
Statistic (Z)	3.4414
One-sided Pr > Z	0.0003
Two-sided Pr > |Z|	0.0006

Sample Size = 478

Frequency Percent Row Pct Col Pct	Table of Group_grade by School								
				School					
Group_grade	Bre	Bro	Elm	Mai	Por	Rid	San	Wes	Total
1_Chosen_More_Often	87 18.20 35.22 57.62	22 4.60 8.91 42.31	4 0.84 1.62 19.05	45 9.41 18.22 66.18	30 6.28 12.15 49.18	16 3.35 6.48 33.33	15 3.14 6.07 53.57	28 5.86 11.34 57.14	247 51.67
2_Chosen_All_Others	64 13.39 27.71 42.38	30 6.28 12.99 57.69	17 3.56 7.36 80.95	23 4.81 9.96 33.82	31 6.49 13.42 50.82	32 6.69 13.85 66.67	13 2.72 5.63 46.43	21 4.39 9.09 42.86	231 48.33
Total	151 31.59	52 10.88	21 4.39	68 14.23	61 12.76	48 10.04	28 5.86	49 10.25	478 100.00

Statistics for Table of Group_grade by School

Statistic	DF	Value	Prob
Chi-Square	7	25.8854	0.0005
Likelihood Ratio Chi-Square	7	26.7257	0.0004
Mantel-Haenszel Chi-Square	1	0.4140	0.5199
Phi Coefficient		0.2327	
Contingency Coefficient		0.2267	
Cramer's V		0.2327	

The FREQ Procedure

Statistics for Table of Group_grade by School

Cochran-Armitage Trend Test	
Statistic (Z)	-0.6441
One-sided Pr < Z	0.2597
Two-sided Pr > |Z|	0.5195

Sample Size = 478

The FREQ Procedure

Frequency Expected Percent Row Pct Col Pct	Table of Gender by Grades				
			Grades		
Gender	1	2	3	4	Total
boy	39	61	67	60	227
	44.64	58.412	63.161	60.787	
	8.16	12.76	14.02	12.55	47.49
	17.18	26.87	29.52	26.43	
	41.49	49.59	50.38	46.88	
girl	55	62	66	68	251
	49.36	64.588	69.839	67.213	
	11.51	12.97	13.81	14.23	52.51
	21.91	24.70	26.29	27.09	
	58.51	50.41	49.62	53.13	
Total	94	123	133	128	478
	19.67	25.73	27.82	26.78	100.00

Statistics for Table of Gender by Grades

Statistic	DF	Value	Prob
Chi-Square	3	2.0392	0.5643
Likelihood Ratio Chi-Square	3	2.0472	0.5627
Mantel-Haenszel Chi-Square	1	0.4491	0.5028
Phi Coefficient		0.0653	
Contingency Coefficient		0.0652	
Cramer's V		0.0653	

Cochran-Armitage Trend Test	
Statistic (Z)	0.6708
One-sided Pr > Z	0.2512
Two-sided Pr > |Z|	0.5023

Sample Size = 478

The FREQ Procedure

Summary Statistics for Gender by Grades

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.4491	0.5028
2	Row Mean Scores Differ	1	0.4491	0.5028
3	General Association	3	2.0349	0.5652

Total Sample Size = 478

Frequency Expected Percent Row Pct Col Pct	Table of Gender by Looks				
		Looks			
Gender	1	2	3	4	Total
boy	44 87.856 9.21 19.38 23.78	74 59.837 15.48 32.60 58.73	59 47.964 12.34 25.99 58.42	50 31.343 10.46 22.03 75.76	227 47.49
girl	141 97.144 29.50 56.18 76.22	52 66.163 10.88 20.72 41.27	42 53.036 8.79 16.73 41.58	16 34.657 3.35 6.37 24.24	251 52.51
Total	185 38.70	126 26.36	101 21.13	66 13.81	478 100.00

Statistics for Table of Gender by Looks

Statistic	DF	Value	Prob
Chi-Square	3	74.0589	<.0001
Likelihood Ratio Chi-Square	3	77.4085	<.0001
Mantel-Haenszel Chi-Square	1	62.4045	<.0001
Phi Coefficient		0.3936	
Contingency Coefficient		0.3663	
Cramer's V		0.3936	

Cochran-Armitage Trend Test	
Statistic (Z)	7.9079
One-sided Pr > Z	<.0001
Two-sided Pr > |Z|	<.0001

Sample Size = 478

The FREQ Procedure

Summary Statistics for Gender by Looks

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	62.4045	<.0001
2	Row Mean Scores Differ	1	62.4045	<.0001
3	General Association	3	73.9040	<.0001

Total Sample Size = 478

Frequency Expected Percent Row Pct Col Pct	Table of Gender by Money				
		Money			
Gender	1	2	3	4	Total
boy	17 16.146 3.56 7.49 50.00	32 35.617 6.69 14.10 42.67	70 62.686 14.64 30.84 53.03	108 112.55 22.59 47.58 45.57	227 47.49
girl	17 17.854 3.56 6.77 50.00	43 39.383 9.00 17.13 57.33	62 69.314 12.97 24.70 46.97	129 124.45 26.99 51.39 54.43	251 52.51
Total	34 7.11	75 15.69	132 27.62	237 49.58	478 100.00

Statistics for Table of Gender by Money

Statistic	DF	Value	Prob
Chi-Square	3	2.7609	0.4300
Likelihood Ratio Chi-Square	3	2.7620	0.4298
Mantel-Haenszel Chi-Square	1	0.0649	0.7988
Phi Coefficient		0.0760	
Contingency Coefficient		0.0758	
Cramer's V		0.0760	

Cochran-Armitage Trend Test	
Statistic (Z)	-0.2551
One-sided Pr < Z	0.3993
Two-sided Pr > |Z|	0.7986

Sample Size = 478

The FREQ Procedure

Summary Statistics for Gender by Money

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.0649	0.7988
2	Row Mean Scores Differ	1	0.0649	0.7988
3	General Association	3	2.7551	0.4309

Total Sample Size = 478

Gender Opnion On Popularity

Gender Opnion On Popularity

Gender Opnion On Popularity