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Tetrachoric Correlation

Tetrachoric Correlation
Import data

Tetrachoric Correlation Input Check

Tetrachoric Correlation Input Check
Binary variables and marginal distributions

Frequencies

[TetrachoricData] D:\DATA ANALYSIS\G Correlation Tests\Tetrachoric Correlation
\SPSS_Output\sav\Tetrachoric-Correlation-data.sav

Statistics

		Higher education intention coded yes=1, no=0	Internet access coded yes=1, no=0
N	Valid	649	649
	Missing	0	0

Frequency Table

Higher education intention coded yes=1, no=0

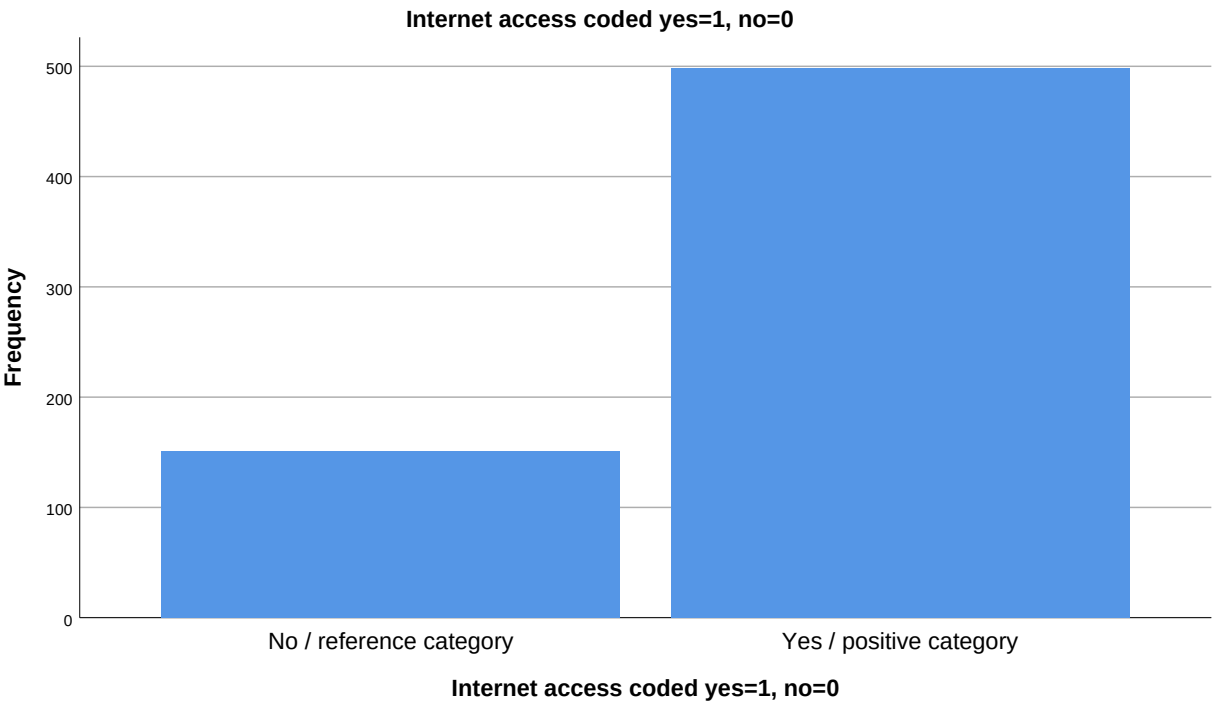
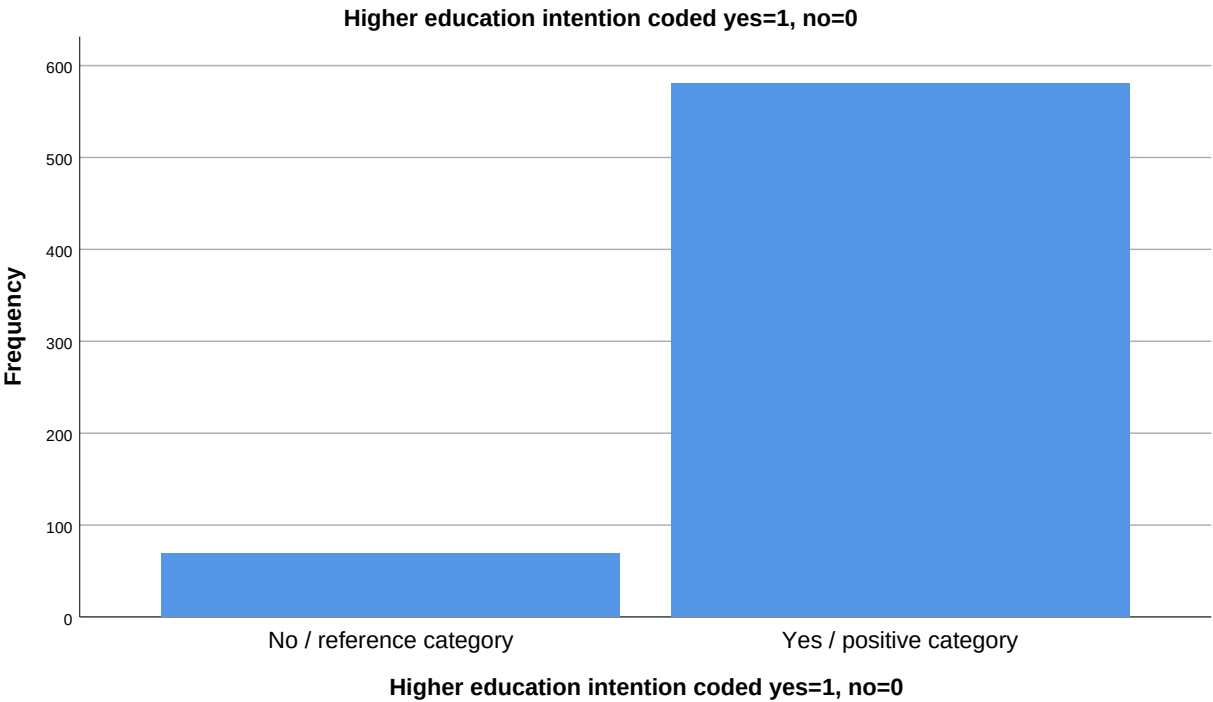
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference category	69	10.6	10.6	10.6
	Yes / positive category	580	89.4	89.4	100.0
	Total	649	100.0	100.0	

Internet access coded yes=1, no=0

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No / reference category	151	23.3	23.3	23.3
	Yes / positive category	498	76.7	76.7	100.0
	Total	649	100.0	100.0	

Bar Chart

Tetrachoric Correlation Input Check
Binary variables and marginal distributions



2 x 2 Table for Tetrachoric Correlation

2 x 2 Table for Tetrachoric Correlation
SPSS crosstab with observed binary association context

Crosstabs

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Higher education intention coded yes=1, no=0 * Internet access coded yes=1, no=0	649	100.0%	0	0.0%	649	100.0%

Higher education intention coded yes=1, no=0 * Internet access coded yes=1, no=0 Crosstabulation

		Internet access coded yes=1, ... No / reference category	
Higher education intention coded yes=1, no=0	No / reference category	Count	22
		Expected Count	16.1
		% within Higher education intention coded yes=1, no=0	31.9%
		% within Internet access coded yes=1, no=0	14.6%
	Yes / positive category	Count	129
		Expected Count	134.9
		% within Higher education intention coded yes=1, no=0	22.2%
		% within Internet access coded yes=1, no=0	85.4%
Total		Count	151
		Expected Count	151.0
		% within Higher education intention coded yes=1, no=0	23.3%
		% within Internet access coded yes=1, no=0	100.0%

2 x 2 Table for Tetrachoric Correlation
SPSS crosstab with observed binary association context

Higher education intention coded yes=1, no=0 * Internet access coded yes=1, no=0
Crosstabulation

		Internet access coded yes=1, ...	
		Yes / positive category	
Higher education intention coded yes=1, no=0	No / reference category	Count	47
		Expected Count	52.9
		% within Higher education intention coded yes=1, no=0	68.1%
		% within Internet access coded yes=1, no=0	9.4%
	Yes / positive category	Count	451
		Expected Count	445.1
		% within Higher education intention coded yes=1, no=0	77.8%
		% within Internet access coded yes=1, no=0	90.6%
Total			Count
			Expected Count
			% within Higher education intention coded yes=1, no=0
			% within Internet access coded yes=1, no=0

2 x 2 Table for Tetrachoric Correlation
SPSS crosstab with observed binary association context

Higher education intention coded yes=1, no=0 * Internet access coded yes=1, no=0
Crosstabulation

			Total
Higher education intention coded yes=1, no=0	No / reference category	Count	69
		Expected Count	69.0
		% within Higher education intention coded yes=1, no=0	100.0%
		% within Internet access coded yes=1, no=0	10.6%
	Yes / positive category	Count	580
		Expected Count	580.0
		% within Higher education intention coded yes=1, no=0	100.0%
		% within Internet access coded yes=1, no=0	89.4%
Total			
	Count		649
	Expected Count		649.0
	% within Higher education intention coded yes=1, no=0		100.0%
	% within Internet access coded yes=1, no=0		100.0%

2 x 2 Table for Tetrachoric Correlation
SPSS crosstab with observed binary association context

Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	3.212 ^a	1	.073		
Continuity Correction ^b	2.694	1	.101		
Likelihood Ratio	3.011	1	.083		
Fisher's Exact Test				.096	.053
Linear-by-Linear Association	3.207	1	.073		
N of Valid Cases	649				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 16.05.

b. Computed only for a 2x2 table

Symmetric Measures

		Value	Approximate Significance
Nominal by Nominal	Phi	.070	.073
	Cramer's V	.070	.073
N of Valid Cases		649	

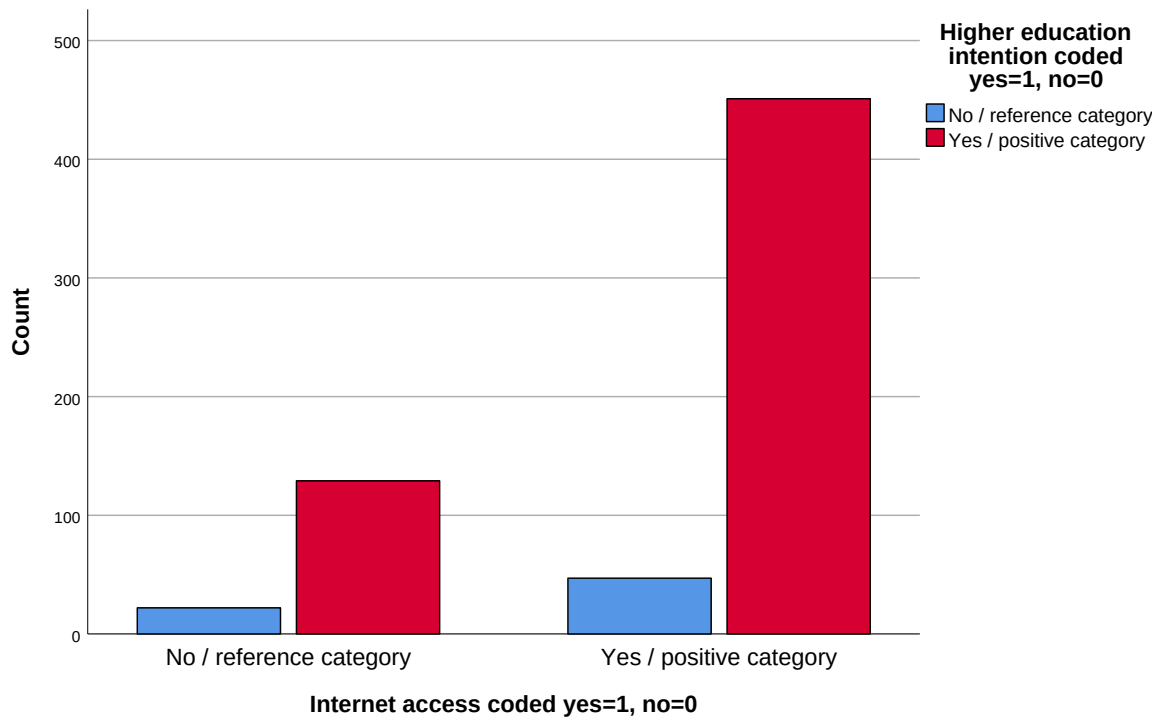
2 x 2 Table for Tetrachoric Correlation
SPSS crosstab with observed binary association context

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Higher education intention coded yes=1, no=0 (No / reference category / Yes / positive category)	1.636	.951	2.816
For cohort Internet access coded yes=1, no=0 = No / reference category	1.434	.983	2.090
For cohort Internet access coded yes=1, no=0 = Yes / positive category	.876	.741	1.035
N of Valid Cases	649		

Grouped Bar Chart for 2 x 2 Table

Graph



```
File "<string>", line 110
    inline_rows = "\n".join([f"{q(m)} {float(v):.10f} {q(note)}" for m, v, not
e in lines])
```

^

SyntaxError: invalid syntax