

Analysis Report

Crosstabulation and Chi-Square Analysis: Vandalism and Trust

To what extent is the following a problem? Vandalism/graffiti * To what extent do you trust those neighbours you know to help you out if you have any problems? Crosstabulation									
To what extent do you trust those neighbours you know to help you out if you have any problems?									
				A	Neither	Don't	Don't	Don't	
				Completely	little	trust	trust	know	Total
To what extent is the following a problem? Vandalism/graffiti	A big problem	Count	77	64	42	12	14	8	217
		%	35.5	29.5	19.4	5.5	6.5	3.7	100
	A slight problem	Count	361	135	61	3	5	8	573
		%	63.0	23.6	10.6	0.5	0.9	1.4	100
	Not a problem	Count	207	80	42	6	2	7	344
		%	60.2	23.3	12.2	1.7	0.6	2.0	100
Total		Count	645	279	145	21	21	23	1134
		%	56.9	24.6	12.8	1.9	1.9	2.0	100

Table 1. Crosstabulation of 'vandal' by 'trust' (Source: boundariesdata.sav)

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	90.14 ^a	10	.000
Likelihood Ratio	79.94	10	.000
Linear-by-Linear Association	33.65	1	.000
N of Valid Cases	1134		

a. 3 cells (16.7%) have an expected count less than 5. The minimum expected count is 4.02.

Table 2. Chi-Square Test

Interpretation:

A crosstabulation was conducted utilizing data from the "boundariesdata.sav" dataset, examining the relationship between perceptions of vandalism/graffiti and the level of trust in neighbours to aid in the case of problems. Table 1 illustrates that among respondents who perceive vandalism/graffiti as a big problem, 35.5% trust their neighbours entirely, while 29.5% trust them a little. Conversely, for those who view vandalism/graffiti as not a problem, 60.2% express complete trust in their neighbours, with 23.3% trusting them a little. Chi-square tests revealed significant associations between perceptions of vandalism/graffiti and trust in neighbours (Pearson $\chi^2 = 90.14$, $p < .001$). The Likelihood Ratio and Linear-by-Linear Association tests also indicated

significant relationships ($p < .001$) (Table 2). These findings suggest that the level of trust in neighbours influences the perception of vandalism/graffiti. However, caution is warranted due to some cells having expected counts below 5, highlighting potential limitations in interpretation. For a comprehensive understanding, further research could explore underlying factors contributing to this relationship.

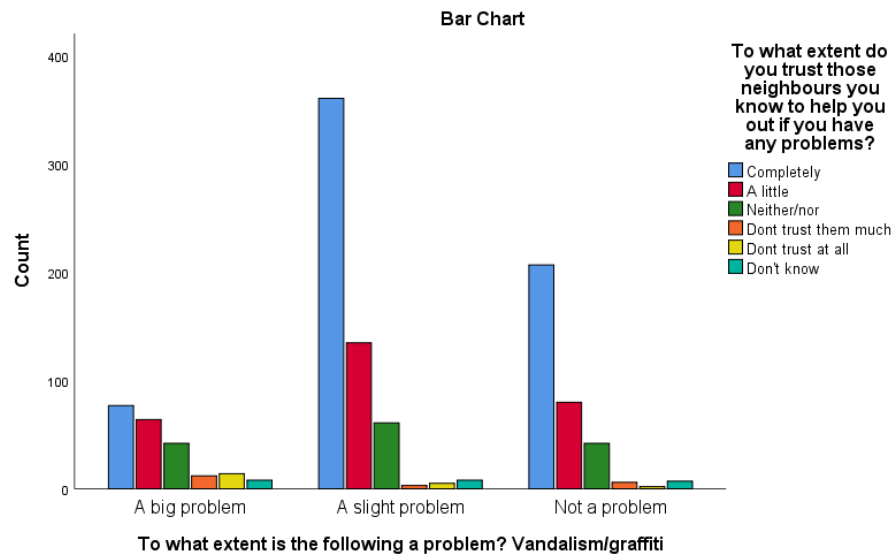


Figure 1. Bar Graph for Crosstabulation of 'vandal' by 'trust'

KINZA ASHRAF
DISSERTATION HELP