A Telling-Off
Laurie and Winifred Bauer

Question 22 asked how the children would say that someone had reprimanded them:

22 You ran onto the school garden to get back your ball, and accidentally trod on some plants. The caretaker saw you and told you how cross he was with you. Later, you want to tell Brackie what the caretaker did. What would you say?

168 different responses were coded for this question, and even this masked some of the variety of responses obtained, because the verbs *chuck, throw, pack*, and *have* were not initially coded separately in conjunction with items like *a mental*. However, because it seemed possible that the choice of verb might be significant, a second pass was made through the data, and the choice of verb was recorded, ignoring the item it was attached to. Active and passive versions of the same construction were also coded together, e.g. *He blew me up; I got blown up.*

There were many (often colourful) expressions which occurred only once: *he put me in a hot water bottle and sent me to Mars; he threw everything except the kitchen sink at me; he went red hot chilli peppers.* These were all ignored in the analysis.

Certain roots occurred in many different constructions, and in an attempt to reduce the data to manageable proportions, these items were grouped together. However, before they were merged, each group was inspected for any evidence of variable distribution of the variants of the root. In most cases, there were not enough occurrences of an individual variant to show any patterning, but in a few cases, the individual items were transferred to a separate file, so that this level of patterning would not be lost. There were still 50 different items left in the database after grouping. At this stage all items with only 2 occurrences were also removed, which reduced the number of items to 40. A few of these which clearly showed no patterning (including the commonest choice of insult to the caretaker, namely *faggot*) were also ignored. The remaining items were divided into groups according to frequency to make the data mappable.

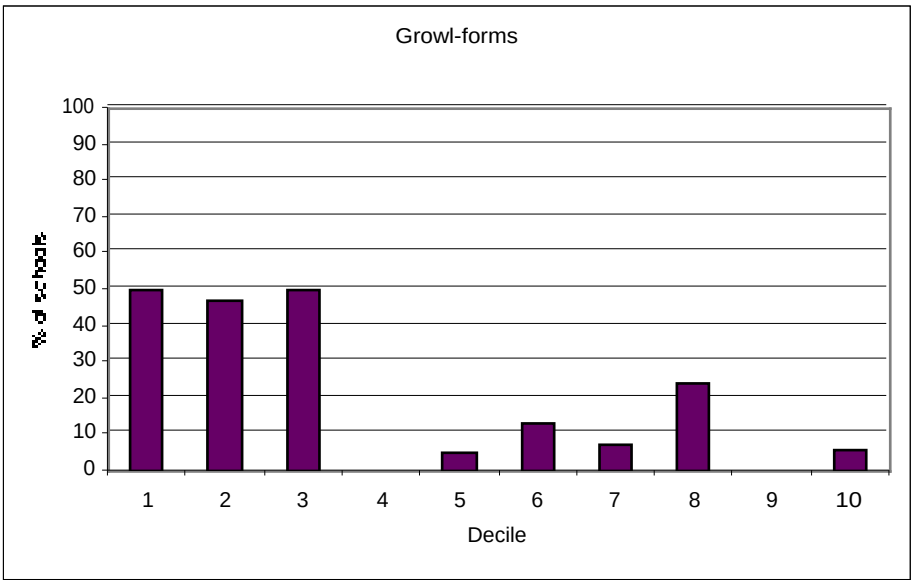
The highest frequency group contained the following roots: *psych* (as in *he chucked a psych; he psyched it up at me; he went psych-o/-ie*) (58); *mental* (as in *he threw a mental; he went mental*) (39); *spaz* (including *spasm, spastic*, in constructions like *he packed a spaz, he had a spasm, he went spastic, he went spaz-o, he spazzed*) (33); *growl* (31); *piss off* (*he was pissed off with me; I pissed him off*) (16).

Psych was reported from Northland to Southland, but there were only sporadic occurrences north of the Central Region (8 of the 58 occurrences were reported in the Northern Region from 57 schools, i.e. 14% from 38% of the schools). The distribution of the seven main contributing forms of this root was also considered. The forms mapped were: *went psycho* (27); *had a psych* (15); *threw a psychie* (7); *had a psycho (attack)* (7); *psyched out* (5); *psyched it up at* (4); *psyched* (3). This map of course reflects the skewed distribution of *psych* as a whole, with all variants found in the Central and Southern Regions. Most variants were found at least once in the Northern Region as well. The dominant form in the North, as elsewhere, is *went psycho*. The only other tendency to be observed is that *had a psych* seems to be more frequent in Otago and Southland than elsewhere. However, the area where this tendency is seen includes the lake resorts which usually show Central rather than Southern characteristics.

Mental was dotted from Northland to Southland, without any evidence of regional patterning, although it was not reported from Hawkes Bay. The two major variants of *mental* were also considered separately: *went mental* (19); *pack a mental* (21). The patterning of these was rather strange: *went mental* was the only form reported in Northland; both were reported in Auckland; in the Waikato and volcanic plateau area, only *pack a mental* was reported; both were reported in Wellington and throughout the South Island. However, because the overall occurrence rate was not particularly high, it would not be wise to read too much into these distributions.

Spaz was likewise found scattered throughout, but with a substantial hole in the Bay of Plenty, Poverty Bay, volcanic plateau and northern Hawkes Bay area. The contributing *spaz* forms were also considered separately: *chuck a spaz* (21); *spasm* (4); *spaz* (4); *go spastic* (3); *have a spaz attack* (2). There was no evidence of anything but random distribution amongst these.

Growl is the most interesting of these: there were only two reports south of Taranaki and Hawkes Bay, one from South Canterbury, and one from Southland. It thus looks like a Northern form, although in this case the Northern Region extends further south than in some other sets of data. *Growl* was reported in three constructions: *growl me* (18); *a growling* (12); *growl at me* (3). These were plotted separately, but *growl me* and *a growling* were fairly clearly both found in the same areas, and there were so few occurrences of *growl at me* that no generalisations were possible. Because *growl me* is believed to come from Maori English (see McCallum, 1978, 141), the decile ratings of schools reporting *growl me* were also considered. The graph shows the picture:



It will be seen from this, that there is a tendency for *growl me* to be reported from lower decile schools, although it is not an absolute. (It must also be borne in mind that when *growl me* is reported from higher decile schools, it may have been suggested by children from lower socio-economic homes within that school: not all the children in a decile 8 school come from decile 8 homes.) On the

opposite side of the scale, *growl at me* was not reported from schools with lower decile ratings than 5. 24 occurrences of *growl* were from the lowest 5 deciles, and 9 from the highest 5 deciles. Thus there is some evidence that this form is characteristic of lower decile schools, and this is consistent with it being a Maori English form, although there are no doubt children who are not ethnically Maori, but who live in these areas, who also use it.

Piss off was dotted throughout the country, with no observable tendency to regionalisation.

Seven medium-frequency terms were plotted: *got in(to) trouble* (14); *had a fit* (14); *went nuts* (13); *was shitty* (13); *went ape* (12); *blew me up* (11); *yelled at me* (10).

Only two of the occurrences of *got in(to) trouble* were reported from the South Island, but it was dotted throughout the North Island.

Had a fit was not reported at all in Northland, but was dotted through the remainder of the country.

Went nuts was reported only twice from the Northern Region, but is dotted through the Central and Southern regions, with a pocket of popularity in Christchurch.

Was shitty was reported from Northland to Otago, but has a pocket of popularity in Northland.

Went ape, like *had a fit*, is not reported from Northland, but was dotted through the rest of the country.

Blew me up is reported only twice from the South Island, both occurrences coming from the West Coast. It is dotted from Northland to the Wairarapa.

Yelled at me is not reported at either extreme of the country: it is absent from Northland, and also from Otago and Southland. Reports are scattered through the area in between.

It was clear by inspection of the data files that those medium-frequency forms which contained groupings of items did not show any interesting patterns of variation in the variants, and so none of these were mapped.

Nine low-frequency forms were also mapped. These were: *went mad* (8); *schitz* forms (7); *angis* forms (7); *aggro* forms (7); *stress* forms (6); *rark* forms (6); *went ballistic* (5); *snap* forms (5); *went off his rocker* (4).

There were only two occurrences of these low frequency terms in Southland-Otago, and none on the West Coast. Because the numbers are very low, little can be made of the distribution of these, but a number were reported only from particular regions, sometimes being reported with quite high frequency in localised areas.

Went mad was reported only from the Central Region, from Hawkes Bay and Wanganui to Canterbury.

Schitz forms were predominantly South Island forms, although there was one report from an Auckland school which frequently reports linguistically mixed forms. However, it is even more localised than that: 5 of the 7 reports were from Timaru (where all schools reported it) and the schools on the lower Waitaki River.

Angis forms were found predominantly in Auckland and the area immediately to the north of that city. There was one isolated report from Taranaki, and none from further south.

Aggro forms are dotted from Northland to Wellington, but not reported from the South Island.

Stress forms were reported from Auckland and the southern part of Northland, from Taranaki and once from the Nelson district.
Rark (also spelt *raak*) was mainly reported from the Bay of Plenty and the timber belt, but there was also one report from southern Hawkes Bay and one from Canterbury.
Went ballistic was reported only from the Central Region, with one report in Wellington, and the remainder in Canterbury.
Snap was reported only from the Northern Region, from Northland to Taupo and Taranaki.
Went off his rocker was reported only from the Central Region, from the Wairarapa to the central Otago lake resorts.
The verbs in the construction *V a fit/psych* etc. were also considered. There were five of them: *throw* (37); *have* (28); *pack* (6); *chuck* (3); *take* (1). There is a slight tendency for these constructions taken as a group to be used more in Central and Southern Regions: as the table below shows. There is a large area from south Waikato, Bay of Plenty, Poverty Bay, the timber belt and the volcanic plateau where these forms were not reported at all.

	Northern		**Central**		**Southern**	
	No.	**%**	**No.**	**%**	**No.**	**%**
Schools	57	38	78	52	14	9
V *a* N	24	32	40	53	11	15

Throw was reported from Northland to Southland, but is more common in the Central and Southern Regions:

	Northern		**Central**		**Southern**	
	No.	**%**	**No.**	**%**	**No.**	**%**
Schools	57	38	78	52	14	9
***Throw a* N**	8	22	23	62	6	16

Have is much more evenly distributed. *Pack* is more popular in Wellington than elsewhere: there was one report from Northland, one from Taranaki, one from the northern fringe of the Central Region, and three from Wellington. Two of the three occurrences of *chuck* come from the Nelson district, with the other reported from Auckland (from a school which often shows mixed forms). The sole occurrence of *take* was from Auckland.
Taken over all, the forms elicited in this question do not provide the dramatic results obtained for a few items, but they nevertheless do show some tendencies towards regionalisation, and in general, they support the basic three-region hypothesis, with a lesser degree of support for a North Island-South Island split.

Statistical Analysis

Because of the complexity of the data, it was divided into two groups for statistical analysis. The first was a group of individual forms: *went angis, went ballistic, blew me up, growl me, had a fit, went nuts, was shitty (with me),* and *snapped at me.* the second group consisted of a group of roots: *growl*-forms, *psych*-forms, *rark*-forms, *schitz*-forms and *throw*-forms. The groups will be dealt with separately below.

Individual Items

Blew me up is significantly low decile (p-value 0.0035). It was not reported from the Southern Region.

Growl me was significantly low decile (p-value 0.0006). It was shown to be significantly more common in the Northern Region (p-value 0.0001) than the Central Region. *Growl me* is also significantly more common in the North Island than the South Island (p-value 0.0155), and just significantly more common in rural than in urban schools (p-value 0.0368). There are thus a large number of interactions to consider for *growl me*.

First, Decile and Island were considered. *Growl me* was shown to be more strongly affected by Decile than by Island: the p-value for variation by Decile when Island is taken into account is 0.0042; the p-value for Island variation when Decile is taken into account is 0.0411, i.e. only just significant.

The investigation of the relation between Decile and Main Region revealed that *growl me* has different decile patternings in the three Main Regions: it is significantly low decile in the Northern and Southern Regions, but not significantly low decile in the Central Region. When these differences are ignored, the p-value for Decile when Main Region is taken into account is 0.0048. When Decile is taken into account, the p-value for the Northern – Central Region contrast is 0.0007, while the other regional contrasts are not significant. This tells us that Main Region has a greater capacity to explain the low decile connection than Decile has to explain the Northern location. Thus Main Region is stronger than Decile.

Next, the Decile and Urban / Rural interaction was investigated. The p-value for Decile when the Urban / Rural factor is taken into account is 0.0012. The p-value for the Urban / Rural factor when Decile is taken into account is not significant. Thus Decile is stronger than Urban / Rural.

Next, the Main Region and Urban / Rural interaction was considered. When Main Region is taken into account, the Urban / Rural factor was still significant (p-value 0.0387). When Urban / Rural distribution is taken into account, the Northern – Central Region contrast is still highly significant (p-value 0.0001). Thus the Main Region factor is the stronger, but it does not offer an explanation for the fact that this form is rural.

Next, Main Region and Island was investigated. When Island is taken into account, all the regional contrasts are significant. The Northern – Central contrast has a p-value of 0.0081, which says that Island has some capacity to explain this distribution. However, these is **less** use of *growl me* in both the Northern and Central Regions than in the Southern Region when Island is taken into account, with both p-values at 0.0001. When Main Region is taken into account, the program reports a sampling error in the Northern Region, and gives no p-values for Island. From this we are probably to conclude that Main Region is the more important factor, although either of these has a considerable capacity to explain the other.

Finally, the interaction between Island and the Urban / Rural factor was investigated. This showed that when Island is taken into account, the p-value for the rural correlation is 0.0173, ie. lower than for the Urban / Rural factor taken alone. When the Urban / rural factor is taken into account, the p-value for Island is 0.0105, little changed from its value for Island alone. Thus both these factors are of roughly equal importance.

Overall, then, the most important factor for *growl me* is Main Region, followed by Decile, and then Urban/Rural. The Island factor is not important when Main Region is present, but in its absence, it provides a representation of the regionalisation, and thus appears to be relatively important in relation to the Urban/Rural factor.
Had a fit is significantly high decile (p-value 0.0007). *Had a fit* is more common in urban than in rural schools (p-value 0.0063). The Decile and Urban/Rural interaction must thus be considered. When Decile is taken into account, the p-value for Urban/Rural variation is 0.0295. When Urban/Rural distribution is taken into account, the p-value for Decile is 0.0037. Thus Decile is the stronger factor, but the correlation with urban schools is also important.
Snapped at me shows a tendency to be low decile: the p-value 0.0530 approaches significance. It was reported exclusively from the Northern Region. However, when Main Region is taken into account, the p-value for Decile is nowhere near significant, so the low decile tendency is largely a result of the fact that this is a Northern Region form.
Was/got shitty (with me) is not reported from the Southern Region, but otherwise does not correlate with any of the factors considered.
Went angis was reported exclusively from the Northern Region. It was shown to be significantly more common in the Auckland Region than elsewhere.
Went ballistic is reported only from the Central Region.
Went nuts is significantly high decile (p-value 0.0098) and more common in the South Island than the North (p-value 0.0227). It is more common in urban than in rural schools (p-value 0.0374). There are thus several factor interactions to consider.
For *went nuts*, Decile has a slightly stronger effect than Island: the p-value for Decile variation when Island is taken into account is 0.0360, whereas that for Island variation when Decile is taken into account is not quite significant, at 0.0551.
For *went nuts*, Decile is much more important than the Urban/Rural factor: the p-value for Decile variation when U/R variation is taken into account is 0.0148, but the p-value for U/R variation when Decile is taken into account is 0.1089, i.e. not significant.
The interaction between the Island factor and the Urban/Rural factor was also investigated. For *went nuts*, both are significant when the other is taken into account, but the regionalisation to the South Island is stronger than the Urban/Rural effect: the p-value for Island variation when U/R variation is taken into account is 0.0099, and the p-value for U/R variation when Island variation is taken into account is 0.0187.
Thus for *went nuts*, Decile is the most important factor, followed by Island and then Urban/Rural.

Roots

The roots investigated were *growl*-forms, *psych*-forms, *rark*-forms, *schitz*-forms and *throw*-forms.
Growl-forms were shown to be significantly low decile (p-value 0.0004). *Growl*-forms were shown by a contrast statement to be significantly more common in the Northern than the Central Region (p-value 0.0001), and almost significantly more common in the Northern Region than the Southern Region (0.0502). *Growl*-forms are significantly more common in the North Island than the South Island

(p-value 0.0011). *Growl*-forms were commoner in rural schools (p-value 0.0340). There are thus several interactions to consider.

When the interaction between Main Region and Decile was investigated, it was revealed that *growl*-forms show different decile patterns in different regions. They are low decile in all regions, but only significantly so in the Northern Region. When the differences between regions are ignored, it appears that Decile and Main Region are both are equally strong (and significant) in relation to the most important contrast, that comparing the Northern and Central Regions. The p-value for the Decile effect taking Main Region into account is 0.0011. When Decile is taken into account, the p-value for the Northern – Southern contrast is not significant (0.0617), but for the Northern – Central contrast, the p-value is 0.0010. Thus while each of these factors has some capacity to explain the other, neither offers anything like a full explanation, and both factors are clearly important.

Next, the Island and Decile interaction was considered. These factors were demonstrated to have roughly equal effects on the distribution of *growl*-forms: when Island is taken into account, the p-value for Decile variation is 0.0027; when Decile is taken into account the p-value for Island variation is 0.0037. Thus Decile is perhaps marginally stronger, but there is not much in it.

Next, the interaction between the Decile and Urban / Rural factors was considered. For *growl*-forms, Decile has a stronger effect than the Urban / Rural factor. The p-value for Decile variation when Urban / Rural variation is taken into account is 0.0009, but the Urban / Rural effect is not significant when Decile is taken into account.

Next, the Main Region and Island interaction was considered. The results were very difficult to interpret. The p-value for Island variation when Main Region is taken into account is nearly significant (0.0508). The p-value for the Northern – Southern Region contrast when Island is taken into account is not significant, and indeed, suggests that there is less use of *growl*-forms in the Northern Region than in the Southern Region when Island is taken into account. However, when a contrast statement was obtained comparing the Northern and Central Regions, the p-value was 0.0258 for Main Region variation when Island is taken into account. Since the principal regional difference for *growl*-forms is that between the Northern and Central Regions, it is probably fair to conclude that Main Region variation is more important than Island variation.

Next, Main Region and Urban / Rural effects were considered. For *growl*-forms, the p-value for Urban / Rural variation when Main Region is taken into account is 0.0358, i.e. just significant. The p-values for the relevant Main Region variation when Urban / Rural variation is taken into account are: Northern vs. Southern 0.0357; Northern vs. Central 0.0001. This suggests that the Main Region effect – particularly the contrast between the Northern and Central Regions – is stronger than the Urban / Rural effect.

Lastly, the Island and Urban / Rural interaction was considered. For *growl*-forms, the p-value for Island variation when Urban / Rural variation is taken into account is 0.0005; the p-value for Urban / Rural variation when Island variation is taken into account is 0.0093. Thus Island has a stronger effect, but the Urban / Rural effect is still significant.

Thus for *growl*-forms, the most important factors are Main Region and Decile, which are both very important. They are followed by Island, and Urban / Rural is the least important factor, but even that cannot be ignored.
Psych-forms were shown to be significantly high decile (p-value 0.0000 derived from a non-zero figure). *Psych*-forms were significantly less common in the Northern Region than the Central Region (p-value 0.0001), and significantly less common in the Northern Region than the Southern Region (0.0004). *Psych*-forms are significantly more common in the South Island than the North (p-value 0.0000 derived from non-zero).*Psych*-forms were commoner in urban than in rural schools (0.0363).
When the Decile and Main Region interaction is considered for *psych*-forms, both factors are highly important. When the Northern and Central Regions are compared taking Decile into account, the p-value for regional variation is 0.0002, and the p-value is 0.0007 comparing the Northern and Southern Regions. The p-value for Decile variation when Main Region variation is taken into account is 0.0002. It is thus not possible to rank these features.
Next, the Island and Decile interaction was considered. The p-value for Decile variation when Island is taken into account is 0.0002; the p-value for Island variation when Decile is taken into account is also 0.0002. Thus the effect is equal, and again the factors cannot be ranked.
Next the interaction between the Decile and Urban / Rural factors was considered. For *psych*-forms, Decile has a stronger effect than the Urban / Rural factor. The Decile p-value is 0.0001 when Urban / rural variation is taken into account, but the Urban / Rural effect is not significant when Decile is taken into account.
For *psych*-forms, it is also very difficult to assess the relative strength of the Main Region and Island effects. The p-value for Island variation when Main Region variation is taken into account is 0.0742, i.e. not significant. The p-value for the comparison between the Northern and Southern Regions when Island is taken into account is not significant, either, at 0.0556. The contrast between the Northern and Central Regions when Island is taken into account yielded a p-value of 0.0050, which suggests that this contrast is less affected by Island than the other regional contrast. Thus to a large extent, the difference between the Northern and Southern Regions can be explained by the difference between the Islands. However, the difference between the Northern and Central Regions is not so well explained by the Island difference. Thus it is probably fair to say that the Main Region factor is stronger than the Island factor for *psych*-forms.
Next, Main Region and Urban / Rural variation were considered together. For *psych*-forms, the p-value for Urban / Rural variation when Main Region is taken into account is 0.0261. The relevant p-values for Main Region variation when Urban / rural variation is taken into account are: Northern vs. Southern 0.0003; Northern vs. Central 0.0001. This suggests that the Main Region effect – the absence from the Northern Region – is considerably stronger than the Urban / Rural effect.
Lastly, the Island and Urban / Rural interaction was considered. For *psych*-forms, the p-value for Island variation when Urban / Rural variation is taken into account is 0.0000 (derived from a non-zero figure); the p-value for Urban / Rural variation when Island variation is taken into account is 0.0092. Thus the Island effect is stronger, but both are significant influences on the distribution.

Overall, the most important factors for *psych*-forms are Main Region and Decile, and these appear to be equally influential. Island is the next most important, and urban / rural is least important, but it is still significant.
Rark-forms and *schitz*-forms were not reported from the Southern Region, but these otherwise showed no significant correlations with any of the factors considered.
Throw-forms were high decile (p-value 0.0073). *Throw*-forms were significantly more common in the Southern Region than the Northern Region (p-value 0.0211), and significantly more common in the Central Region than the Northern Region (0.0313). *Throw*-forms are significantly more common in the South Island than the North (p-value 0.0025).
When the interaction between Main Region and Decile was investigated, it was revealed that *throw*-forms show different decile patterns in different regions. *Throw*-forms are high decile in both the Northern and Central Regions, but significantly so only in the Northern Region, and in the Southern Region, there is a tendency towards low decile, but it is not significant. when the regional differences are ignored, the effects of these two factors are roughly equal when comparing the Northern and Southern Regions (p-values 0.0337 for MR taking Decile into account, and 0.0318 for Decile taking MR into account), but when the Northern and Central Regions are compared, the contrast is not significant. Thus overall, it is likely that Decile is slightly stronger than Main Region, but there is not much to choose between them.
When the Island and Decile interaction is calculated for *throw*-forms, Island is shown to be a little stronger than Decile. The p-value for Decile variation when Island is taken into account is 0.0346, while the p-value for Island variation when Decile is taken into account is 0.0110.
For *throw*-forms, when Main Region and Island were considered together, the p-value for Island variation when Main Region variation is taken into account is 0.1017; the p-values for the relevant Main Region contrasts when Island is taken into account are: Northern vs. Southern 0.4340; Northern vs. Central 0.4563. Thus none of these are significant, but the p-values for the Main Region contrasts are higher than the p-value for Island, so it appears that the Island factor is slightly stronger than the Main Region factor for *throw*-forms.
Overall, then, for *throw*-forms, the most important factor is Island. This is followed closely by Decile and then Main Region.

Comments on Data from School Visits

During school visits, an attempt was made to get more data on the use of *growl*. Children were asked:

> If somebody was angry, could you use *growl* to describe what they did?
> Can you give me a sentence with *growl* used in this way?”

The results of this confirmed that it is much more likely to be used in North Island schools, and in the Northern Region although the area of its use extends well down into Hawkes Bay. Interestingly, in quite a number of schools, the children denied that they could say *He growled me*, but were then heard using it in the playground. The further south in the North Island you went, the more likely the children were to say this was “little kids’ talk”.
An attempt was also made to find out about the spelling of *angis/angus*. The spelling remains uncertain: it is one of those things where the children’s

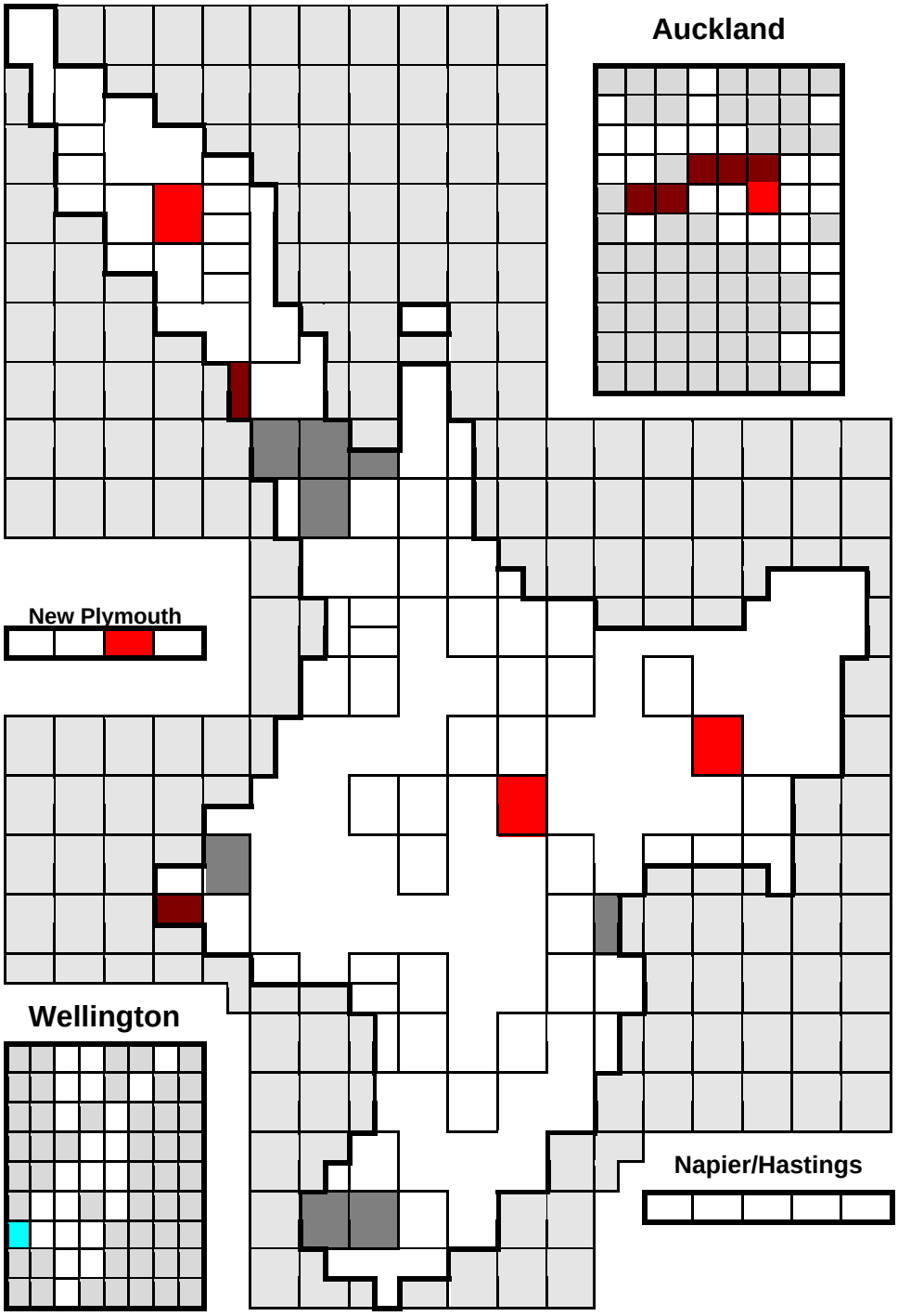
responses are best summed up as “You don’t spell it, you say it”. It is clear that the children believe it is related to *angry*. Another thing that is very clear from the school visits is that this is another Northern form: it is more widespread in the Northern Region than the original questionnaire results suggested, although they indicated fairly well the extent of the area where this is used. It was known in all but three of the schools visited in the Northern Region; it was known in only one of the schools visited outside the Northern Region (in Northern Hawkes Bay).

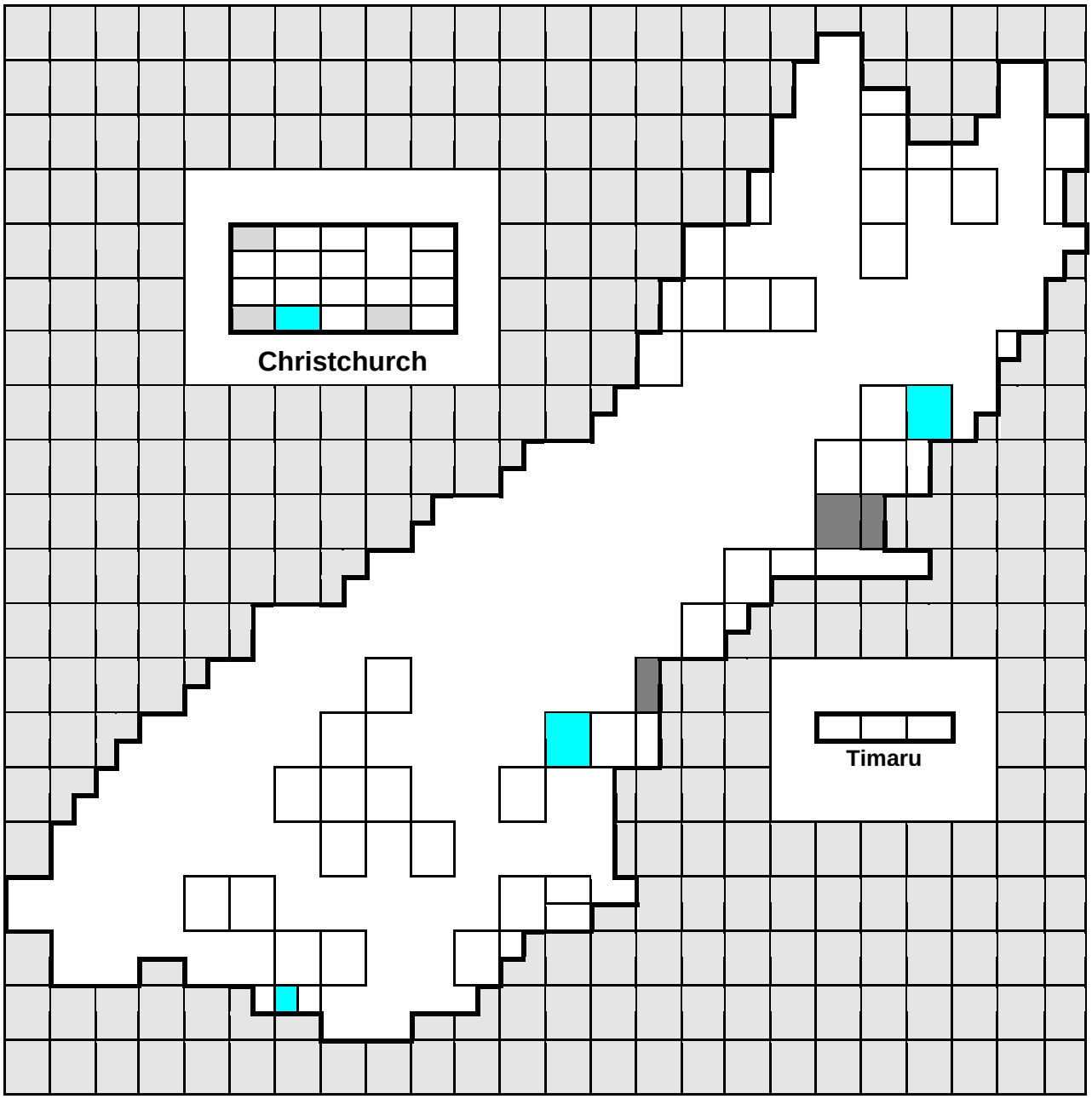
Summary

This set of data proved to be extremely complex in its distribution, with many forms having four factors significantly involved in their distribution, and in many cases, none of these factors explained the others to any great degree. They are just as complex as the greetings and farewells, which suggests that the level of complexity shown in those forms is not restricted to these obvious social markers, but is widespread throughout the system.

The most telling maps follow.

Map 1: ***went angis, snapped at me, went ballistic***

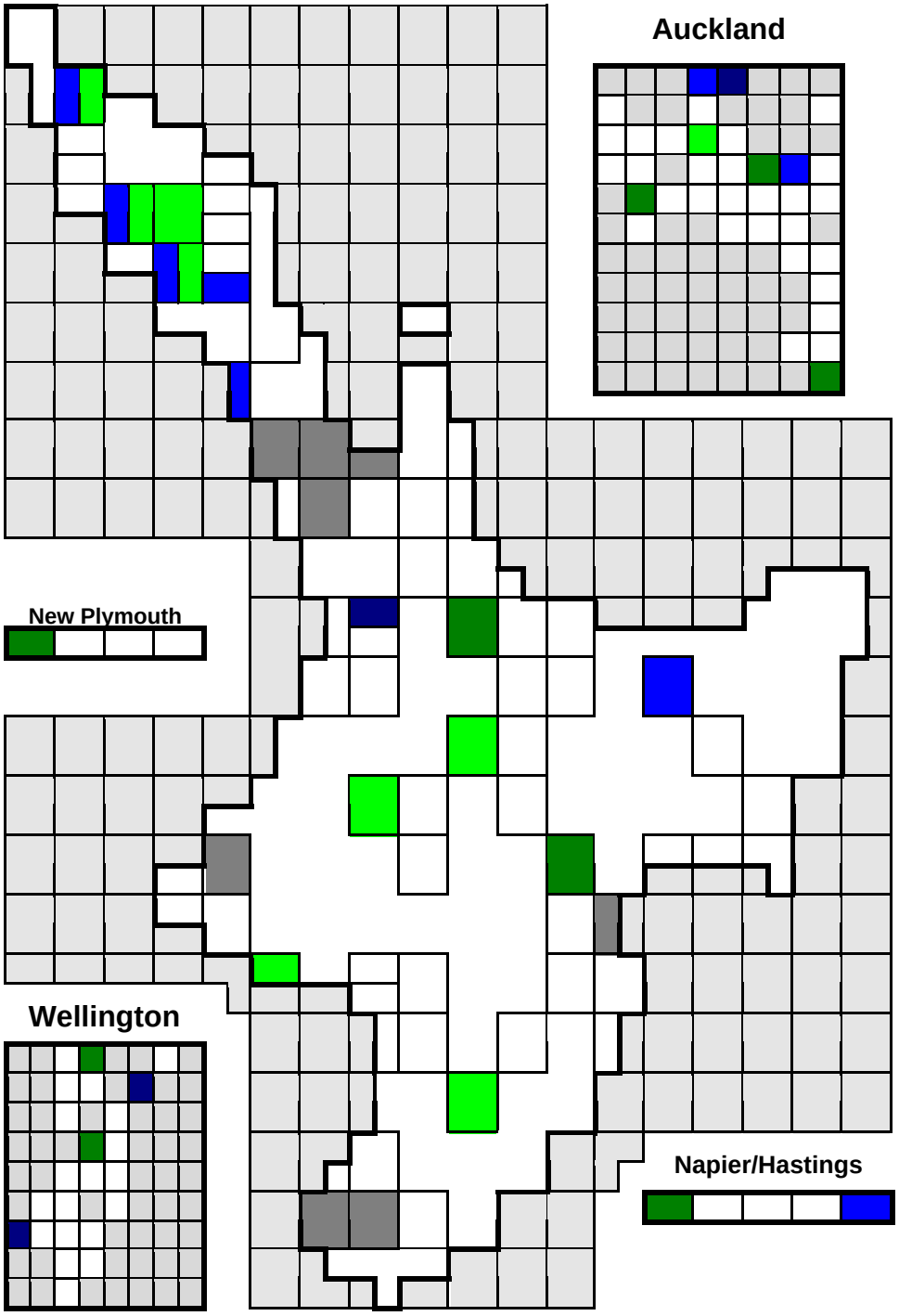


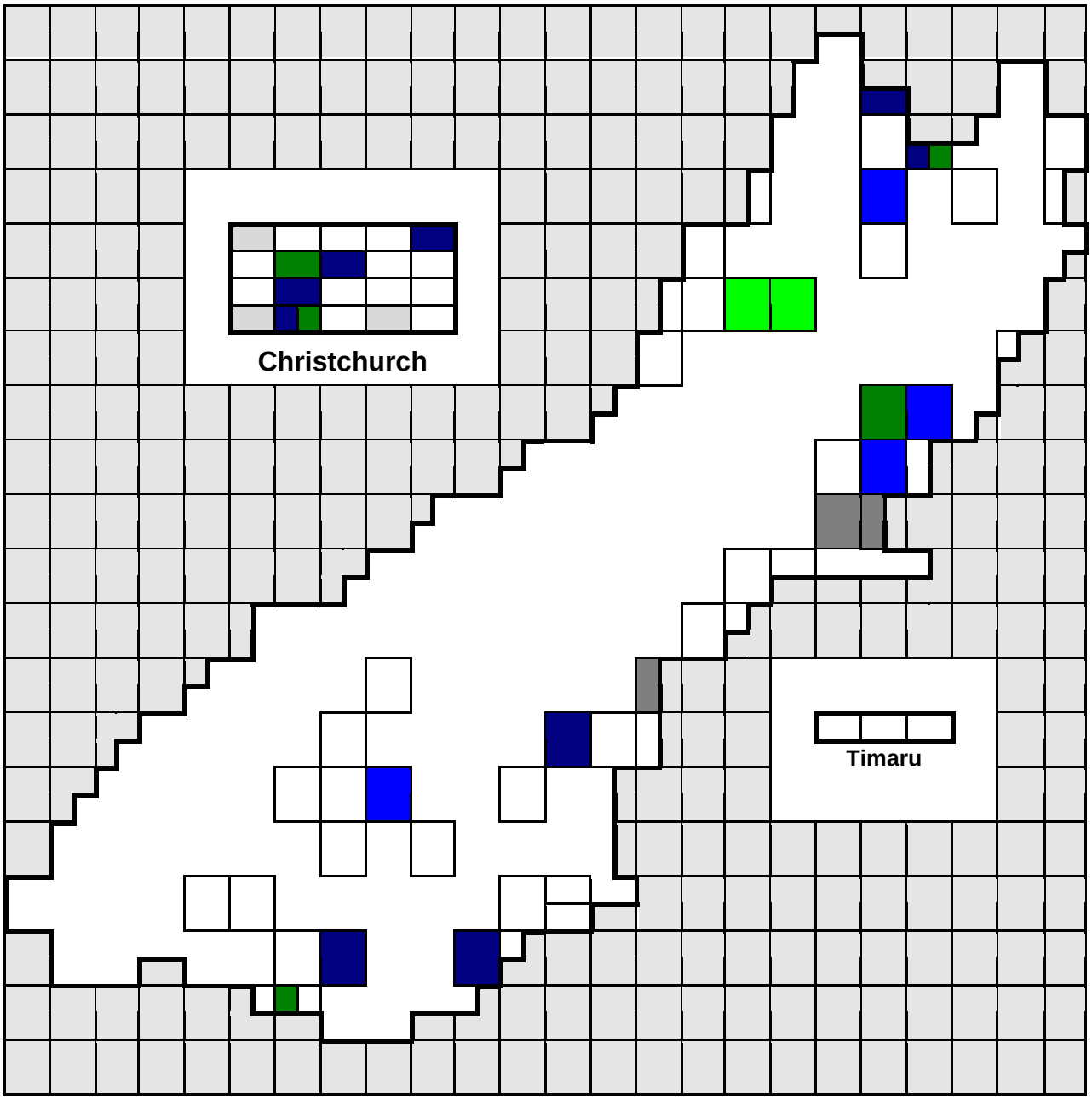


Key
Note that the insets are not to scale, nor all on the same scale for practical reasons. Each box represents one school in both urban and rural areas.

	snapped at me		See urban map insert
	went angis		went ballistic

Map 2: ***Blew me up, got shitty with me, went nuts, had a fit***

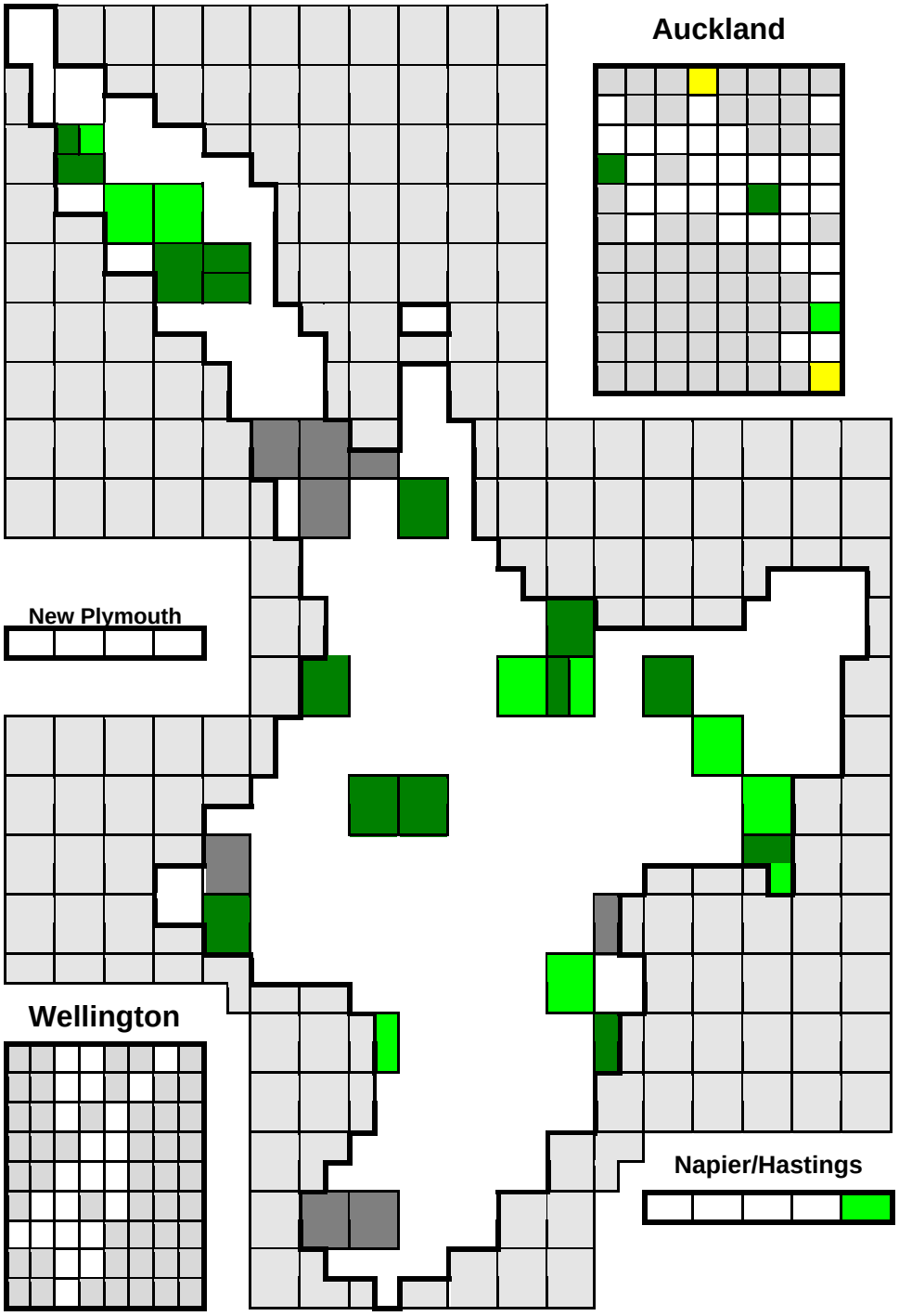


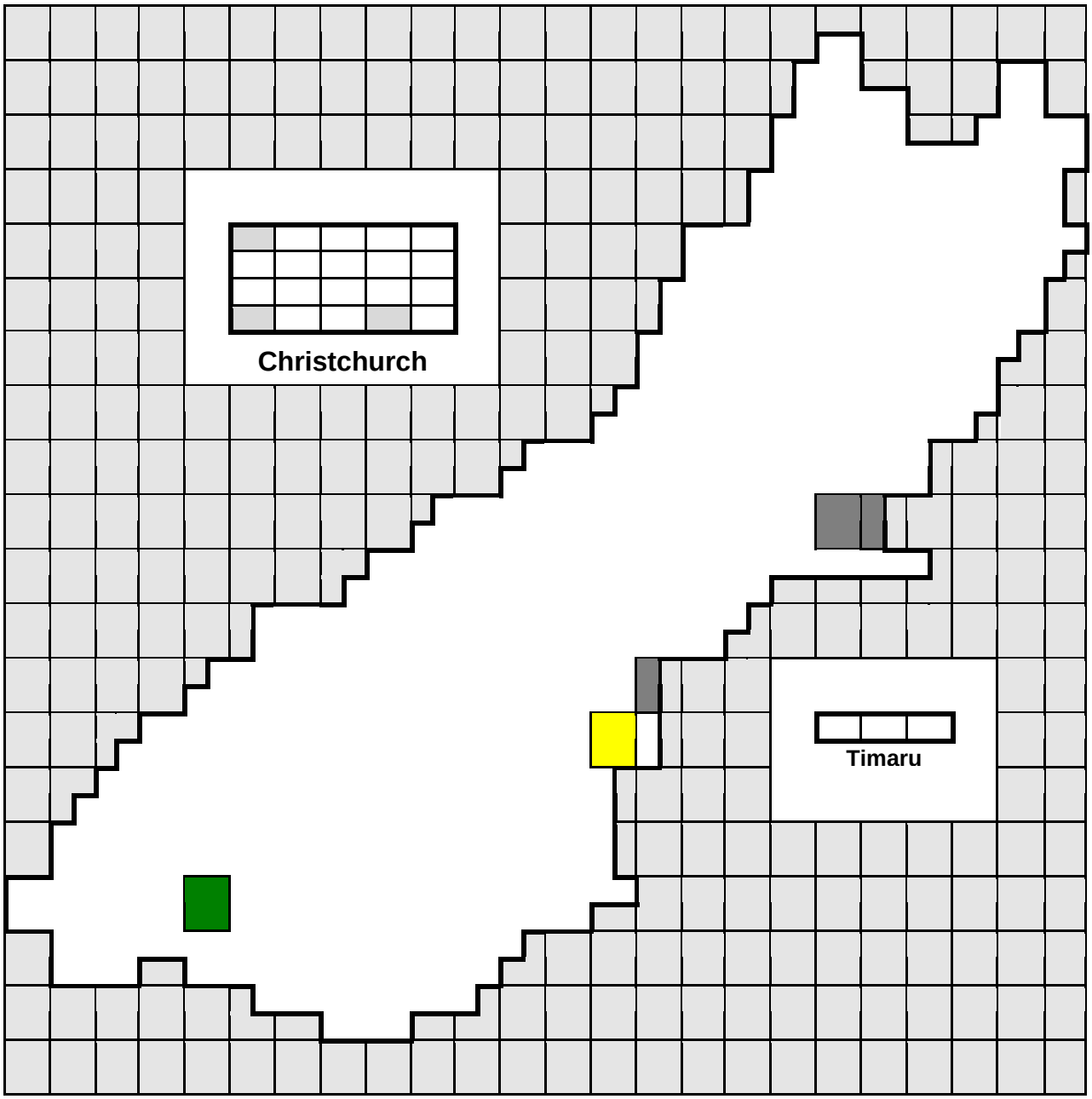


Key
Note that the insets are not to scale, nor all on the same scale for practical reasons. Each box represents one school in both urban and rural areas.

- blew me up
- had a fit
- got shitty with
- See urban map insert
- went nuts

Map 3: *Growl*-forms

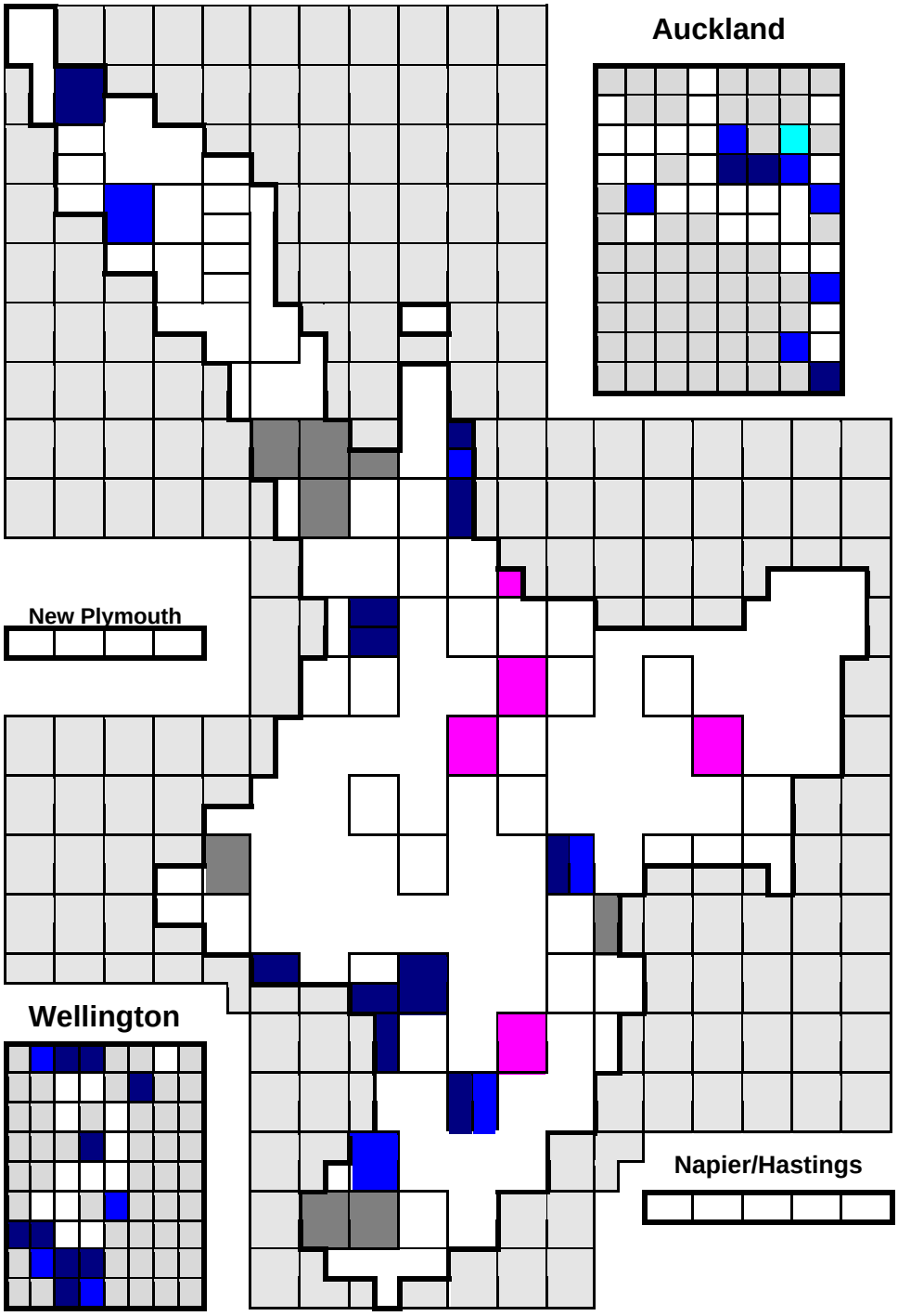


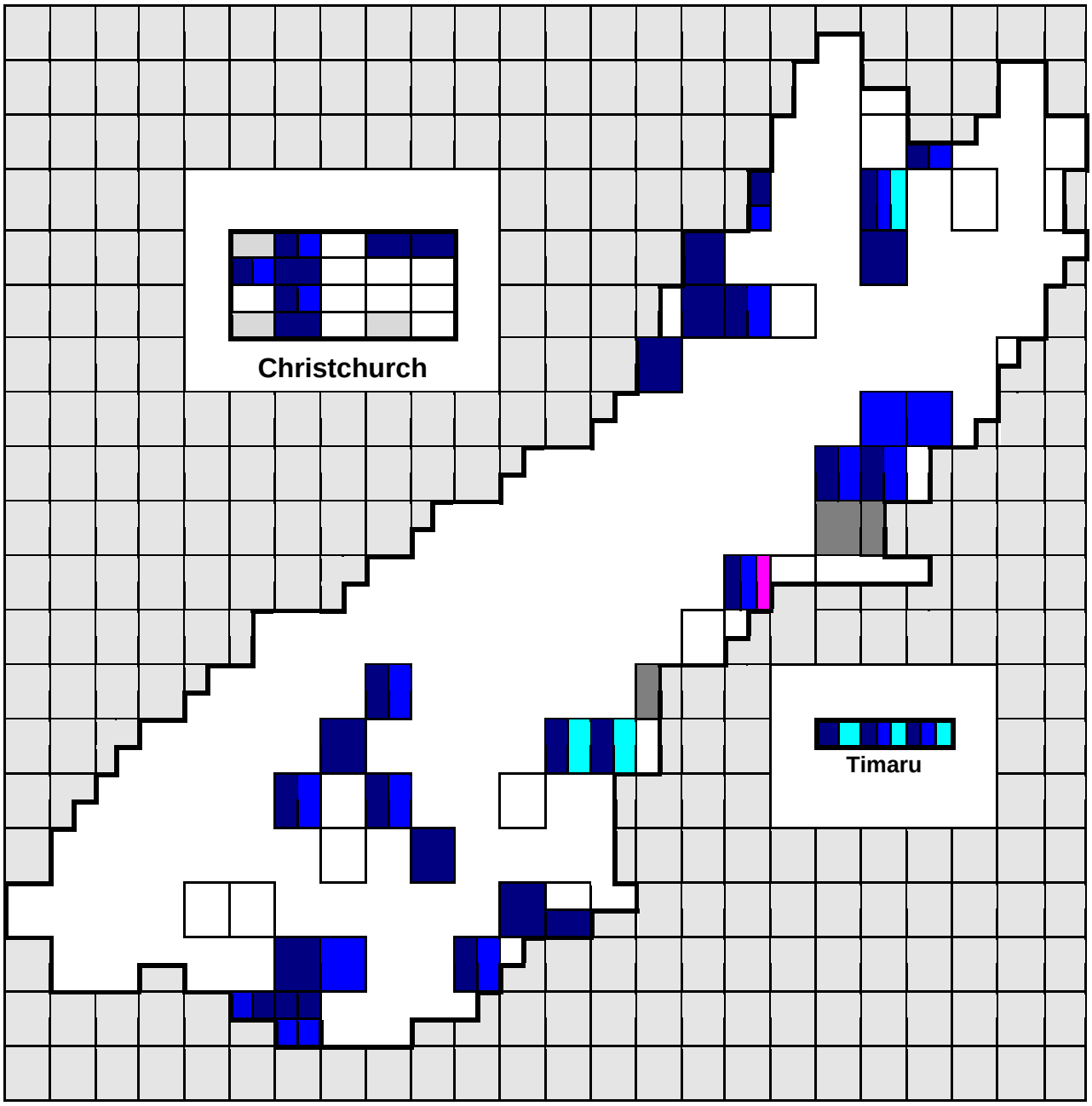


Key
Note that the insets are not to scale, nor all on the same scale for practical reasons. Each box represents one school in both urban and rural areas.

	He growled me		See urban map insert
	He gave me a growling		He growled at me

Map: *psych*-forms, *throw*-forms, *rark*-forms, *schitz*-forms





Key

Note that the insets are not to scale, nor all on the same scale for practical reasons. Each box represents one school in both urban and rural areas.

- psych-forms
- throw-forms
- rark-forms
- See urban map insert
- schitz-forms

Q22 Statistics: Alternatives for *Tell Off*
This set of data was divided into two groups: a group of individual forms and a group of collected forms. The statistics for the two groups are separate.

Individual Alternatives for *Tell Off* by Decile
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	angis	-4.5134	0.9530	-6.3813	-2.6456	-4.736	0.0000
item	ballist	-4.9942	1.7997	-8.5215	-1.4669	-2.775	0.0055
item	blew_me	-0.9757	0.5489	-2.0515	0.1002	-1.777	0.0755
item	growl_me	-0.0400	0.5245	-1.0681	0.9880	-.0763	0.9392
item	hadafit	-4.7582	0.8720	-6.4674	-3.0491	-5.457	0.0000
item	nuts	-4.3992	0.9350	-6.2319	-2.5666	-4.705	0.0000
item	shitty	-2.9000	0.7075	-4.2867	-1.5134	-4.099	0.0000
item	snapped	-2.0096	0.7366	-3.4533	-0.5660	-2.728	0.0064
decile*item	angis	0.2294	0.1218	-0.0093	0.4680	1.8838	0.0596
decile*item	ballist	0.2466	0.2359	-0.2157	0.7089	1.0454	0.2958
decile*item	blew_me	-0.3299	0.1130	-0.5515	-0.1083	-2.918	**0.0035**
decile*item	growl_me	-0.4223	0.1234	-0.6642	-0.1804	-3.421	**0.0006**
decile*item	hadafit	0.3653	0.1083	0.1531	0.5775	3.3743	**0.0007**
decile*item	nuts	0.3065	0.1186	0.0741	0.5389	2.5846	**0.0098**
decile*item	shitty	0.0901	0.1022	-0.1102	0.2904	0.8818	0.3779
decile*item	snapped	-0.2842	0.1468	-0.5720	0.0036	-1.935	0.0530
scale	0.9741	.	.	.	.	.	

Individual Alternatives for *Tell Off* by Main Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-27.3652	0.4036	4598.2432	0.0001
item	ballist	1	-2.5649	1.0377	6.1090	0.0134
item	blew_me	1	-27.3663	0.5888	2160.3303	0.0001
item	growl_me	1	-2.5649	1.0377	6.1090	0.0134
item	hadafit	1	-2.5649	1.0377	6.1090	0.0134
item	nuts	1	-1.7918	0.7638	5.5035	0.0190
item	shitty	1	-2.5649	1.0377	6.1090	0.0134
item	snapped	1	-27.3652	0.4682	3415.8378	0.0001
item*region1	angis, 1	0	25.3991	0.0000	.	.
item*region1	angis, 2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	angis, 3	0	0.0000	0.0000	.	.
item*region1	ballist, 1	1	-24.8004	115975.683	0.0000	0.9998
item*region1	ballist, 2	1	-0.3528	1.1578	0.0929	0.7606
item*region1	ballist, 3	0	0.0000	0.0000	.	.
item*region1	blew_me, 1	1	25.4002	0.7138	1266.2208	**0.0001**
item*region1	blew_me,2	0	24.1474	0.0000	.	.
item*region1	blew_me, 3	0	0.0000	0.0000	.	.
item*region1	growl_me, 1	1	1.5353	1.0805	2.0192	0.1553
item*region1	growl_me, 2	1	-1.0726	1.2610	0.7236	0.3950
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
item*region1	hadafit, 1	1	0.2231	1.1385	0.0384	0.8446
item*region1	hadafit, 2	1	0.3959	1.1028	0.1289	0.7196
item*region1	hadafit, 3	0	0.0000	0.0000	.	.
item*region1	nuts, 1	1	-1.5224	1.0495	2.1042	0.1469
item*region1	nuts, 2	1	-0.2451	0.8420	0.0848	0.7710
item*region1	nuts, 3	0	0.0000	0.0000	.	.
item*region1	shitty, 1	1	0.7526	1.1056	0.4633	0.4961
item*region1	shitty, 2	1	-0.3528	1.1578	0.0929	0.7606
item*region1	shitty, 3	0	0.0000	0.0000	.	.
item*region1	snapped, 1	0	25.0234	0.0000	.	.
item*region1	snapped, 2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	snapped, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for growl_me	1	17.9088	**0.0001**	LR
1 -2 for hadafit	1	0.0841	0.7718	LR
1 -2 for nuts	1	3.1222	0.0772	LR
1 -2 for shitty	1	3.1961	0.0738	LR

Individual Alternatives for *Tell Off* by Sub-Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.0	.0000	.	.	
item	angis	1	-27.3653	1.0198	720.0583	0.0001
item	ballist	1	-2.5649	1.0377	6.1090	0.0134
item	blew_me	1	-27.3652	0.8660	998.4704	0.0001
item	growl_me	1	-2.5649	1.0377	6.1090	0.0134
item	hadafit	1	-2.5649	1.0377	6.1090	0.0134
item	nuts	1	-1.7918	0.7638	5.5035	0.0190
item	shitty	1	-2.5649	1.0377	6.1090	0.0134
item	snapped	1	-27.3652	0.6138	1987.3458	0.0001
item*region2	angis, 1	1	-0.0000	357461.063	0.0000	1.0000
item*region2	angis, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	angis, 3	1	26.5921	1.1330	550.9091	**0.0001**
item*region2	angis, 4	0	24.1464	0.0000	.	.
item*region2	angis, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	angis, 6	1	-0.0000	186677.952	0.0000	1.0000
item*region2	angis, 7	1	-0.0000	291865.736	0.0000	1.0000
item*region2	angis, 8	1	-0.0000	357461.063	0.0000	1.0000
item*region2	angis, 9	1	-0.0000	206380.241	0.0000	1.0000
item*region2	angis, 10	1	-0.0000	276888.149	0.0000	1.0000
item*region2	angis, 11	0	0.0000	0.0000	.	.
item*region2	ballist, 1	1	-24.8004	357461.063	0.0000	0.9999
item*region2	ballist, 2	1	-24.8004	357461.063	0.0000	0.9999
item*region2	ballist, 3	1	-24.8004	200875.776	0.0000	0.9999
item*region2	ballist, 4	1	-24.8004	171718.740	0.0000	0.9999
item*region2	ballist, 5	1	-24.8004	252763.142	0.0000	0.9999
item*region2	ballist, 6	1	-0.4796	1.4576	0.1083	0.7421
item*region2	ballist, 7	1	-24.8004	291865.736	0.0000	0.9999
item*region2	ballist, 8	1	-24.8004	357461.063	0.0000	0.9999
item*region2	ballist, 9	1	0.4855	1.2804	0.1438	0.7046
item*region2	ballist, 10	1	0.3677	1.4792	0.0618	0.8037
item*region2	ballist, 11	0	0.0000	0.0000	.	.
item*region2	blew_me, 1	1	28.0583	1.2247	524.8463	**0.0001**
item*region2	blew_me, 2	1	-0.0001	357461.063	0.0000	1.0000
item*region2	blew_me, 3	1	24.4748	1.3437	331.7627	**0.0001**
item*region2	blew_me, 4	1	24.8803	1.1365	479.2473	**0.0001**
item*region2	blew_me, 5	1	-0.0001	252763.142	0.0000	1.0000
item*region2	blew_me, 6	1	24.3207	1.3408	329.0431	**0.0001**
item*region2	blew_me, 7	1	-0.0001	291865.736	0.0000	1.0000
item*region2	blew_me, 8	0	26.6720	0.0000	.	.
item*region2	blew_me, 9	1	-0.0001	206380.241	0.0000	1.0000
item*region2	blew_me, 10	1	-0.0001	276888.149	0.0000	1.0000
item*region2	blew_me, 11	0	0.0000	0.0000	.	.

item*region2	growl_me, 1	1	2.5649	1.3205	3.7732	0.0521
item*region2	growl_me, 2	1	1.8718	1.3516	1.9178	0.1661
item*region2	growl_me, 3	1	0.4249	1.2790	0.1104	0.7397
item*region2	growl_me, 4	1	1.7540	1.1214	2.4466	0.1178
item*region2	growl_me, 5	1	0.9555	1.2950	0.5445	0.4606
item*region2	growl_me, 6	1	-24.8004	186677.952	0.0000	0.9999
item*region2	growl_me, 7	1	-24.8004	291865.736	0.0000	0.9999
item*region2	growl_me, 8	1	-24.8004	357461.063	0.0000	0.9999
item*region2	growl_me, 9	1	-24.8004	206380.241	0.0000	0.9999
item*region2	growl_me, 10	1	-24.8004	276888.149	0.0000	0.9999
item*region2	growl_me, 11	0	0.0000	0.0000	.	.
item*region2	hadafit, 1	1	-24.8004	357461.063	0.0000	0.9999
item*region2	hadafit, 2	1	-24.8004	357461.063	0.0000	0.9999
item*region2	hadafit, 3	1	0.8910	1.2136	0.5390	0.4628
item*region2	hadafit, 4	1	0.0800	1.2722	0.0040	0.9498
item*region2	hadafit, 5	1	0.9555	1.2950	0.5445	0.4606
item*region2	hadafit, 6	1	0.2624	1.2755	0.0423	0.8370
item*region2	hadafit, 7	1	0.4855	1.4839	0.1071	0.7435
item*region2	hadafit, 8	1	-24.8004	357461.063	0.0000	0.9999
item*region2	hadafit, 9	1	0.9555	1.2153	0.6182	0.4317
item*region2	hadafit, 10	1	-24.8004	276888.149	0.0000	0.9999
item*region2	hadafit, 11	0	0.0000	0.0000	.	.
item*region2	nuts, 1	1	-25.5736	357461.063	0.0000	0.9999
item*region2	nuts, 2	1	-25.5736	357461.063	0.0000	0.9999
item*region2	nuts, 3	1	-1.0986	1.2802	0.7364	0.3908
item*region2	nuts, 4	1	-1.4271	1.2741	1.2546	0.2627
item*region2	nuts, 5	1	-25.5736	252763.142	0.0000	0.9999
item*region2	nuts, 6	1	-0.5108	1.0646	0.2302	0.6313
item*region2	nuts, 7	1	0.5390	1.1073	0.2369	0.6264
item*region2	nuts, 8	1	-25.5736	357461.063	0.0000	0.9999
item*region2	nuts, 9	1	0.5390	0.9512	0.3211	0.5709
item*region2	nuts, 10	1	-0.4055	1.3017	0.0970	0.7554
item*region2	nuts, 11	0	0.0000	0.0000	.	.
item*region2	shitty, 1	1	2.5649	1.3205	3.7732	0.0521
item*region2	shitty, 2	1	0.9555	1.5089	0.4010	0.5266
item*region2	shitty, 3	1	0.8910	1.2136	0.5390	0.4628
item*region2	shitty, 4	1	-0.6539	1.4550	0.2020	0.6531
item*region2	shitty, 5	1	0.1671	1.4724	0.0129	0.9097
item*region2	shitty, 6	1	-24.8004	186677.952	0.0000	0.9999
item*region2	shitty, 7	1	0.4855	1.4839	0.1071	0.7435
item*region2	shitty, 8	1	-24.8004	357461.063	0.0000	0.9999
item*region2	shitty, 9	1	0.4855	1.2804	0.1438	0.7046
item*region2	shitty, 10	1	-24.8004	276888.149	0.0000	0.9999
item*region2	shitty, 11	0	0.0000	0.0000	.	.
item*region2	snapped, 1	1	25.7558	1.2557	420.6971	**0.0001**

item*region2	snapped, 2	1	-0.0001	357461.063	0.0000	1.0000
item*region2	snapped, 3	1	24.4748	1.1968	418.2014	**0.0001**
item*region2	snapped, 4	0	25.3283	0.0000	.	.
item*region2	snapped, 5	1	-0.0001	252763.142	0.0000	1.0000
item*region2	snapped, 6	1	-0.0001	186677.952	0.0000	1.0000
item*region2	snapped, 7	1	-0.0001	291865.736	0.0000	1.0000
item*region2	snapped, 8	1	-0.0001	357461.063	0.0000	1.0000
item*region2	snapped, 9	1	-0.0001	206380.241	0.0000	1.0000
item*region2	snapped, 10	1	-0.0001	276888.149	0.0000	1.0000
item*region2	snapped, 11	0	0.0000	0.0000	.	.
scale	0	1.0	0.0000	.	.	

Individual Alternatives for *Tell Off* by Island

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-26.3653	0.3930	4499.6684	0.0001
item	ballist	1	-2.5840	0.5185	24.8339	0.0001
item	blew_me	1	-3.3142	0.7198	21.1969	0.0001
item	growl_me	1	-4.0254	1.0089	15.9192	0.0001
item	hadafit	1	-2.3418	0.4682	25.0150	0.0001
item	nuts	1	-1.6740	0.3632	21.2377	0.0001
item	shitty	1	-2.5840	0.5185	24.8339	0.0001
item	snapped	1	-26.3653	0.4597	3288.7946	0.0001
item*island	angis, 1	0	23.8569	0.0000	.	.
item*island	angis, 2	0	0.0000	0.0000	.	.
item*island	ballist, 1	1	-1.9378	1.1313	2.9342	0.0867
item*island	ballist, 2	0	0.0000	0.0000	.	.
item*island	blew_me, 1	1	1.0806	0.8007	1.8211	0.1772
item*island	blew_me, 2	0	0.0000	0.0000	.	.
item*island	growl_me, 1	1	2.5278	1.0440	5.8632	**0.0155**
item*island	growl_me, 2	0	0.0000	0.0000	.	.
item*island	hadafit, 1	1	0.1082	0.5850	0.0342	0.8532
item*island	hadafit, 2	0	0.0000	0.0000	.	.
item*island	nuts, 1	1	-1.4284	0.6270	5.1890	**0.0227**
item*island	nuts, 2	0	0.0000	0.0000	.	.
item*island	shitty, 1	1	0.3504	0.6260	0.3133	0.5757
item*island	shitty, 2	0	0.0000	0.0000	.	.
item*island	snapped, 1	0	23.4974	0.0000	.	.
item*island	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Catholic

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-2.7081	1.0328	6.8752	0.0087
item	ballist	1	-25.3653	0.4560	3094.2102	0.0001
item	blew_me	1	-1.9459	0.7559	6.6265	0.0100
item	growl_me	1	-25.3653	0.2538	9989.9010	0.0001
item	hadafit	1	-1.9459	0.7559	6.6265	0.0100
item	nuts	1	-1.4663	0.6405	5.2410	0.0221
item	shitty	1	-25.3653	0.2922	7534.1637	0.0001
item	snapped	1	-2.7081	1.0328	6.8752	0.0087
item*catholic	angis, 1	1	-0.3285	1.1142	0.0869	0.7681
item*catholic	angis, 2	0	0.0000	0.0000	.	.
item*catholic	ballist, 1	0	22.1385	0.0000	.	.
item*catholic	ballist, 2	0	0.0000	0.0000	.	.
item*catholic	blew_me, 1	1	-0.6609	0.8311	0.6323	0.4265
item*catholic	blew_me, 2	0	0.0000	0.0000	.	.
item*catholic	growl_me, 1	0	23.5283	0.0000	.	.
item*catholic	growl_me, 2	0	0.0000	0.0000	.	.
item*catholic	hadafit, 1	1	-0.3483	0.8143	0.1829	0.6689
item*catholic	hadafit, 2	0	0.0000	0.0000	.	.
item*catholic	nuts, 1	1	-1.0269	0.7201	2.0336	0.1539
item*catholic	nuts, 2	0	0.0000	0.0000	.	.
item*catholic	shitty, 1	0	23.1596	0.0000	.	.
item*catholic	shitty, 2	0	0.0000	0.0000	.	.
item*catholic	snapped, 1	1	-0.7498	1.1509	0.4245	0.5147
item*catholic	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Urban/Rural

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	angis	-2.3795	0.4675	-3.2958	-1.4633	-5.090	0.0000
item	ballist	-2.9267	0.5926	-4.0882	-1.7652	-4.939	0.0000
item	blew_me	-4.0604	1.0086	-6.0372	-2.0837	-4.026	0.0001
item	growl_me	-2.9267	0.5926	-4.0882	-1.7652	-4.939	0.0000
item	hadafit	-1.4733	0.3343	-2.1285	-0.8181	-4.407	0.0000
item	nuts	-1.7148	0.3621	-2.4245	-1.0051	-4.736	0.0000
item	shitty	-3.3499	0.7194	-4.7599	-1.9399	-4.656	0.0000
item	snapped	-4.0604	1.0086	-6.0372	-2.0837	-4.026	0.0001
item*u/r	angis.1	-1.3581	0.8546	-3.0332	0.3170	-1.589	0.1120
item*u/r	angis.2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	ballist.1	-0.8109	0.9290	-2.6318	1.0099	-.8729	0.3827
item*u/r	ballist.2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	blew_me, 1	2.0323	1.0632	-0.0515	4.1161	1.9115	0.0559
item*u/r	blew_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	growl_me, 1	1.3721	0.6572	0.0840	2.6602	2.0877	**0.0368**
item*u/r	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	hadafit, 1	-1.8469	0.6761	-3.1721	-0.5218	-2.732	**0.0063**
item*u/r	hadafit, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	nuts, 1	-1.3056	0.6271	-2.5348	-0.0765	-2.082	**0.0374**
item*u/r	nuts, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	shitty, 1	1.4303	0.7885	-0.1152	2.9758	1.8139	0.0697
item*u/r	shitty, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	snapped, 1	0.7402	1.1673	-1.5477	3.0281	0.6341	0.5260
item*u/r	snapped, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Individual Alternatives for *Tell Off* by Urban/Rural and Main Region, Model 1

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-26.3656	0.5123	2648.1638	0.0001
item	ballist	1	-1.0986	1.1547	0.9052	0.3414
item	blew_me	1	-26.3659	1.2695	431.3720	0.0001
item	growl_me	1	-26.3650	1.2755	427.2864	0.0001
item	hadafit	1	-1.0986	1.1547	0.9052	0.3414
item	nuts	1	-26.3656	1.1538	522.1906	0.0001
item	shitty	1	-26.3649	1.3656	372.7338	0.0001
item	snapped	1	-26.3651	1.0247	662.0158	0.0001
item*region1	angis, 1	0	25.2024	0.0000	.	.
item*region1	angis, 2	1	0.0002	91078.8772	0.0000	1.0000
item*region1	angis, 3	0	0.0000	0.0000	.	.
item*region1	ballist, 1	1	-25.2667	115890.405	0.0000	0.9998
item*region1	ballist, 2	1	-1.6740	1.3655	1.5029	0.2202
item*region1	ballist, 3	0	0.0000	0.0000	.	.
item*region1	blew_me, 1	1	23.3702	0.7493	972.6711	**0.0001**
item*region1	blew_me, 2	0	0.0006	0.0000	.	.
item*region1	blew_me, 3	0	0.0000	0.0000	.	.
item*region1	growl_me, 1	1	24.5733	1.1126	487.7892	**0.0001**
item*region1	growl_me, 2	1	-0.0003	1.2796	0.0000	0.9998
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
item*region1	hadafit, 1	1	-0.3483	1.2815	0.0739	0.7858
item*region1	hadafit, 2	1	-0.4418	1.2392	0.1271	0.7214
item*region1	hadafit, 3	0	0.0000	0.0000	.	.
item*region1	nuts, 1	1	24.1143	1.3725	308.6779	**0.0001**
item*region1	nuts, 2	1	25.0157	1.0730	543.5384	**0.0001**
item*region1	nuts, 3	0	0.0000	0.0000	.	.
item*region1	shitty, 1	1	24.1136	1.1455	443.1028	**0.0001**
item*region1	shitty, 2	1	-0.0004	1.1785	0.0000	0.9997
item*region1	shitty, 3	0	0.0000	0.0000	.	.
item*region1	snapped, 1	0	23.3693	0.0000	.	.
item*region1	snapped, 2	1	-0.0003	91078.8772	0.0000	1.0000
item*region1	snapped, 3	0	0.0000	0.0000	.	.
item*u/r	angis, 1	1	0.0002	0.8904	0.0000	0.9998
item*u/r	angis, 2	0	0.0000	0.0000	.	.
item*u/r	ballist, 1	1	-25.2667	1.0284	603.6566	**0.0001**
item*u/r	ballist 2	0	0.0000	0.0000	.	.
item*u/r	blew_me, 1	1	0.0006	1.1185	0.0000	0.9996
item*u/r	blew_me, 2	0	0.0000	0.0000	.	.
item*u/r	growl_me, 1	1	24.1678	0.7181	1132.6003	**0.0001**
item*u/r	growl_me, 2	0	0.0000	0.0000	.	.
item*u/r	hadafit, 1	1	-25.2668	0.8536	876.0984	**0.0001**

item*u/r	hadafit, 2	0	0.0000	0.0000	.	.
item*u/r	nuts, 1	1	24.9793	0.8404	883.5420	**0.0001**
item*u/r	nuts, 2	0	0.0000	0.0000	.	.
item*u/r	shitty, 1	1	24.1677	0.8682	774.8627	**0.0001**
item*u/r	shitty, 2	0	0.0000	0.0000	.	.
item*u/r	snapped, 1	1	-0.0001	1.1894	0.0000	0.9999
item*u/r	snapped, 2	0	0.0000	0.0000	.	.
item*rg*u/r	angis 1, 1	0	-1.6405	0.0000	.	.
item*rg*u/r	angis 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	angis 2,1	1	-0.0002	123880.666	0.0000	1.0000
item*rg*u/r	angis 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	angis 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	angis 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	ballist 1, 1	1	25.2667	146591.055	0.0000	0.9999
item*rg*u/r	ballist 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	ballist 2, 1	0	25.0949	0.0000	.	.
item*rg*u/r	ballist 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	ballist 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	ballist 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	blew_me 1, 1	0	1.4196	0.0000	.	.
item*rg*u/r	blew_me 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	blew_me 2, 1	0	23.8524	0.0000	.	.
item*rg*u/r	blew_me 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	blew_me 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	blew_me 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	growl_me 1, 1	0	-23.0266	0.0000	.	.
item*rg*u/r	growl_me 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	growl_me 2, 1	0	-0.7469	0.0000	.	.
item*rg*u/r	growl_me 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	growl_me 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	growl_me 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	hadafit 1, 1	1	23.1873	1.4377	260.1211	**0.0001**
item*rg*u/r	hadafit 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	hadafit 2, 1	0	23.8628	0.0000	.	.
item*rg*u/r	hadafit 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	hadafit 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	hadafit 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	nuts 1, 1	1	-49.0933	89768.3215	0.0000	0.9996
item*rg*u/r	nuts 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	nuts 2, 1	0	-26.5738	0.0000	.	.
item*rg*u/r	nuts 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	nuts 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	nuts 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	shitty 1, 1	0	-23.4919	0.0000	.	.
item*rg*u/r	shitty 1, 2	0	0.0000	0.0000	.	.

item*rg*u/r	shitty 2, 1	0	0.0004	0.0000	.	.
item*rg*u/r	shitty 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	shitty 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	shitty 3, 2	0	0.0000	0.0000	.	.
item*rg*u/r	snapped 1, 1	0	0.6288	0.0000	.	.
item*rg*u/r	snapped 1, 2	0	0.0000	0.0000	.	.
item*rg*u/r	snapped 2, 1	1	0.0001	123880.666	0.0000	1.0000
item*rg*u/r	snapped 2, 2	0	0.0000	0.0000	.	.
item*rg*u/r	snapped 3, 1	0	0.0000	0.0000	.	.
item*rg*u/r	snapped 3, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Urban/Rural and Main Region, Model 2

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-26.4339	0.5123	2661.9020	0.0001
item	ballist	1	-2.0701	1.1745	3.1066	0.0780
item	blew_me	1	-28.9607	1.1162	673.2414	0.0001
item	growl_me	1	-3.6979	1.2127	9.2986	0.0023
item	hadafit	1	-1.5856	1.0963	2.0918	0.1481
item	nuts	1	-0.9903	0.8514	1.3528	0.2448
item	shitty	1	-3.7131	1.2656	8.6081	0.0033
item	snapped	1	-27.8429	1.0247	738.3103	0.0001
item*region1	angis, 1	0	25.2707	0.0000	.	.
item*region1	angis, 2	1	-0.2889	98266.3159	0.0000	1.0000
item*region1	angis, 3	0	0.0000	0.0000	.	.
item*region1	ballist, 1	1	-24.8685	115975.305	0.0000	0.9998
item*region1	ballist, 2	1	-0.4414	1.1784	0.1403	0.7080
item*region1	ballist, 3	0	0.0000	0.0000	.	.
item*region1	blew_me, 1	1	25.5221	0.7255	1237.6351	**0.0001**
item*region1	blew_me, 2	0	24.3851	0.0000	.	.
item*region1	blew_me, 3	0	0.0000	0.0000	.	.
item*region1	growl_me, 1	1	1.7163	1.0933	2.4644	0.1164
item*region1	growl_me, 2	1	-0.8421	1.2701	0.4396	0.5073
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
item*region1	hadafit, 1	1	0.0745	1.1752	0.0040	0.9494
item*region1	hadafit, 2	1	0.1478	1.1413	0.0168	0.8970
item*region1	hadafit, 3	0	0.0000	0.0000	.	.
item*region1	nuts, 1	1	-1.6831	1.0751	2.4507	0.1175
item*region1	nuts, 2	1	-0.4406	0.8755	0.2533	0.6148
item*region1	nuts, 3	0	0.0000	0.0000	.	.
item*region1	shitty, 1	1	0.8896	1.1163	0.6351	0.4255
item*region1	shitty, 2	1	-0.1100	1.1688	0.0089	0.9250
item*region1	shitty, 3	0	0.0000	0.0000	.	.

item*region1	snapped, 1	0	24.8471	0.0000	.	.
item*region1	snapped, 2	1	0.1010	101242.745	0.0000	1.0000
item*region1	snapped, 3	0	0.0000	0.0000	.	.
item*urb_rur	angis, 1	1	-1.6402	0.8904	3.3934	0.0655
item*urb_rur	angis, 2	0	0.0000	0.0000	.	.
item*urb_rur	ballist, 1	1	-0.7702	0.9523	0.6542	0.4186
item*urb_rur	ballist, 2	0	0.0000	0.0000	.	.
item*urb_rur	blew_me, 1	1	1.9312	1.0748	3.2284	0.0724
item*urb_rur	blew_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	growl_me, 1	1	1.3883	0.6863	4.0918	**0.0431**
item*urb_rur	growl_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	hadafit, 1	1	-1.8239	0.6795	7.2047	**0.0073**
item*urb_rur	hadafit, 2	0	0.0000	0.0000	.	.
item*urb_rur	nuts, 1	1	-1.3033	0.6420	4.1213	**0.0423**
item*urb_rur	nuts, 2	0	0.0000	0.0000	.	.
item*urb_rur	shitty, 1	1	1.4052	0.7947	3.1266	0.0770
item*urb_rur	shitty, 2	0	0.0000	0.0000	.	.
item*urb_rur	snapped, 1	1	0.6286	1.1894	0.2793	0.5971
item*urb_rur	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for growl_me	1	16.4628	**0.0001**	LR

Individual Alternatives for *Tell Off* by Urban/Rural in Northern Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-1.1632	0.5123	5.1540	0.0232
item	ballist	1	-27.3653	191070.975	0.0000	0.9999
item	blew_me	1	-2.9957	1.0247	8.5471	0.0035
item	growl_me	1	-1.7918	0.6236	8.2553	0.0041
item	hadafit	1	-1.4469	0.5557	6.7792	0.0092
item	nuts	1	-2.2513	0.7434	9.1712	0.0025
item	shitty	1	-2.2513	0.7434	9.1712	0.0025
item	snapped	1	-2.9957	1.0247	8.5471	0.0035
item*urb_rur	angis, 1	1	-1.6402	0.8904	3.3934	0.0655
item*urb_rur	angis, 2	0	0.0000	0.0000	.	.
item*urb_rur	ballist, 1	1	-0.0000	241687.791	0.0000	1.0000
item*urb_rur	ballist, 2	0	0.0000	0.0000	.	.
item*urb_rur	blew_me, 1	1	1.4202	1.1185	1.6121	0.2042
item*urb_rur	blew_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	growl_me, 1	1	1.1412	0.7181	2.5253	0.1120
item*urb_rur	growl_me, 2	0	0.0000	0.0000	.	.

item*urb_rur	hadafit, 1	1	-2.0794	1.1568	3.2312	0.0722
item*urb_rur	hadafit, 2	0	0.0000	0.0000	.	.
item*urb_rur	nuts, 1	1	-25.1140	148002.941	0.0000	0.9999
item*urb_rur	nuts, 2	0	0.0000	0.0000	.	.
item*urb_rur	shitty, 1	1	0.6758	0.8682	0.6058	0.4364
item*urb_rur	shitty, 2	0	0.0000	0.0000	.	.
item*urb_rur	snapped, 1	1	0.6286	1.1894	0.2793	0.5971
item*urb_rur	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Urban/Rural in Central Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-28.3653	247578.057	0.0000	0.9999
item	ballist	1	-2.7726	0.7289	14.4701	0.0001
item	blew_me	1	-28.3654	0.6003	2232.7465	0.0001
item	growl_me	1	-28.3653	0.7255	1528.7254	0.0001
item	hadafit	1	-1.5404	0.4499	11.7253	0.0006
item	nuts	1	-1.3499	0.4241	10.1299	0.0015
item	shitty	1	-28.3654	0.5270	2896.5386	0.0001
item	snapped	1	-28.3653	247578.057	0.0000	0.9999
item*urb_rur	angis, 1	1	-0.0000	336742.564	0.0000	1.0000
item*urb_rur	angis, 2	0	0.0000	0.0000	.	.
item*urb_rur	ballist, 1	1	-0.1719	1.0284	0.0279	0.8673
item*urb_rur	ballist, 2	0	0.0000	0.0000	.	.
item*urb_rur	blew_me, 1	0	25.8530	0.0000	.	.
item*urb_rur	blew_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	growl_me, 1	0	25.4209	0.0000	.	.
item*urb_rur	growl_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	hadafit, 1	1	-1.4040	0.8536	2.7051	0.1000
item*urb_rur	hadafit, 2	0	0.0000	0.0000	.	.
item*urb_rur	nuts, 1	1	-1.5945	0.8404	3.6002	0.0578
item*urb_rur	nuts, 2	0	0.0000	0.0000	.	.
item*urb_rur	shitty, 1	0	26.1681	0.0000	.	.
item*urb_rur	shitty, 2	0	0.0000	0.0000	.	.
item*urb_rur	snapped, 1	1	-0.0000	336742.564	0.0000	1.0000
item*urb_rur	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Urban/Rural in Southern Region
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-28.3653	721807.870	0.0000	1.0000
item	ballist	1	-1.0986	1.1547	0.9052	0.3414
item	blew_me	1	-28.3653	721807.870	0.0000	1.0000
item	growl_me	1	-28.3653	1.0541	724.1298	0.0001
item	hadafit	1	-1.0986	1.1547	0.9052	0.3414
item	nuts	1	-28.3654	0.7906	1287.3573	0.0001
item	shitty	1	-28.3653	1.0541	724.1298	0.0001
item	snapped	1	-28.3653	721807.870	0.0000	1.0000
item*urb_rur	angis, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	angis, 2	0	0.0000	0.0000	.	.
item*urb_rur	ballist, 1	1	-27.2667	456511.380	0.0000	1.0000
item*urb_rur	ballist, 2	0	0.0000	0.0000	.	.
item*urb_rur	blew_me, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	blew_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	growl_me, 1	0	26.1680	0.0000	.	.
item*urb_rur	growl_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	hadafit, 1	1	-27.2667	456511.380	0.0000	1.0000
item*urb_rur	hadafit, 2	0	0.0000	0.0000	.	.
item*urb_rur	nuts, 1	0	26.9791	0.0000	.	.
item*urb_rur	nuts, 2	0	0.0000	0.0000	.	.
item*urb_rur	shitty, 1	0	26.1680	0.0000	.	.
item*urb_rur	shitty, 2	0	0.0000	0.0000	.	.
item*urb_rur	snapped, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Main Region in N and C Regions only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-27.3653	0.4036	4598.2647	0.0001
item	ballist	1	-2.9178	0.5133	32.3072	0.0001
item	blew_me	1	-3.2189	0.5888	29.8880	0.0001
item	growl_me	1	-3.6376	0.7164	25.7855	0.0001
item	hadafit	1	-2.1691	0.3732	33.7780	0.0001
item	nuts	1	-2.0369	0.3544	33.0315	0.0001
item	shitty	1	-2.9178	0.5133	32.3072	0.0001
item	snapped	1	-27.3653	0.4682	3415.8539	0.0001
item*region1	angis, 1	0	25.3992	0.0000	.	.
item*region1	angis, 2	0	0.0000	0.0000	.	.
item*region1	ballist, 1	1	-24.4476	115975.683	0.0000	0.9998

item*region1	ballist, 2	0	0.0000	0.0000	.	.
item*region1	blew_me, 1	1	1.2528	0.7138	3.0802	0.0793
item*region1	blew_me, 2	0	0.0000	0.0000	.	.
item*region1	growl_me, 1	1	2.6080	0.7769	11.2676	**0.0008**
item*region1	growl_me, 2	0	0.0000	0.0000	.	.
item*region1	hadafit, 1	1	-0.1728	0.5988	0.0832	0.7730
item*region1	hadafit, 2	0	0.0000	0.0000	.	.
item*region1	nuts, 1	1	-1.2773	0.8024	2.5342	0.1114
item*region1	nuts, 2	0	0.0000	0.0000	.	.
item*region1	shitty, 1	1	1.1054	0.6395	2.9881	0.0839
item*region1	shitty, 2	0	0.0000	0.0000	.	.
item*region1	snapped, 1	0	25.0235	0.0000	.	.
item*region1	snapped, 2	0	0.0000	0.0000	.	.
SCALE	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Island and Decile, Model 2 (0 in Model 1)

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-28.3590	1.1931	565.0103	0.0001
item	ballist	1	-4.0281	1.6151	6.2205	0.0126
item	blew_me	1	-1.6051	0.9835	2.6634	0.1027
item	growl_me	1	-2.0408	1.1452	3.1757	0.0747
item	hadafit	1	-5.0819	1.1647	19.0373	0.0001
item	nuts	1	-3.6839	1.0889	11.4456	0.0007
item	shitty	1	-3.2953	0.9224	12.7639	0.0004
item	snapped	1	-25.0963	0.8415	889.4936	0.0001
item*island	angis, 1	0	24.0896	0.0000	.	.
item*island	angis, 2	0	0.0000	0.0000	.	.
item*island	ballist, 1	1	-1.7557	1.1401	2.3714	0.1236
item*island	ballist, 2	0	0.0000	0.0000	.	.
item*island	blew_me, 1	1	0.6814	0.8319	0.6709	0.4127
item*island	blew_me, 2	0	0.0000	0.0000	.	.
item*island	growl_me, 1	1	2.1402	1.0613	4.0668	**0.0437**
item*island	growl_me, 2	0	0.0000	0.0000	.	.
item*island	hadafit, 1	1	0.4239	0.6075	0.4869	0.4853
item*island	hadafit, 2	0	0.0000	0.0000	.	.
item*island	nuts, 1	1	-1.2253	0.6388	3.6796	0.0551
item*island	nuts, 2	0	0.0000	0.0000	.	.
item*island	shitty, 1	1	0.4687	0.6374	0.5408	0.4621
item*island	shitty, 2	0	0.0000	0.0000	.	.
item*island	snapped, 1	0	23.1852	0.0000	.	.
item*island	snapped, 2	0	0.0000	0.0000	.	.
decile*item	angis	1	0.2814	0.1575	3.1917	0.0740
decile*item	ballist	1	0.2061	0.2051	1.0101	0.3149

decile*item	blew_me	1	-0.2998	0.1355	4.8986	**0.0269**
decile*item	growl_me	1	-0.3617	0.1175	9.4786	**0.0021**
decile*item	hadafit	1	0.3745	0.1330	7.9362	**0.0048**
decile*item	nuts	1	0.2850	0.1359	4.3985	**0.0360**
decile*item	shitty	1	0.1049	0.1085	0.9352	0.3335
decile*item	snapped	1	-0.2098	0.1812	1.3402	0.2470
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Main Region and Decile, Model 1

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-26.3660	1.3892	360.2246	0.0001
item	ballist	1	0.3562	2.1817	0.0267	0.8703
item	blew_me	1	-26.3663	1.3832	363.3352	0.0001
item	growl_me	1	64.2000	1.4175	2051.2732	0.0001
item	hadafit	1	-3.7322	3.0756	1.4726	0.2249
item	nuts	1	-1.5540	1.6832	0.8524	0.3559
item	shitty	1	-5.3896	4.4273	1.4819	0.2235
item	snapped	1	-26.3660	0.8852	887.1594	0.0001
item*region1	angis, 1	0	21.8498	0.0000	.	.
item*region1	angis, 2	1	0.0007	159259.579	0.0000	1.0000
item*region1	angis, 3	0	0.0000	0.0000	.	.
item*region1	ballist, 1	1	-26.7215	146167.824	0.0000	0.9999
item*region1	ballist, 2	1	-7.3223	3.5968	4.1443	**0.0418**
item*region1	ballist, 3	0	0.0000	0.0000	.	.
item*region1	blew_me, 1	1	25.8872	1.5835	267.2739	**0.0001**
item*region1	blew_me, 2	0	23.8318	0.0000	.	.
item*region1	blew_me, 3	0	0.0000	0.0000	.	.
item*region1	growl_me, 1	1	-63.8005	1.5462	1702.7220	**0.0001**
item*region1	growl_me, 2	0	-65.9237	0.00	.00	.
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
item*region1	hadafit, 1	1	0.1094	3.3170	0.0011	0.9737
item*region1	hadafit, 2	1	-3.2858	3.8340	0.7345	0.3914
item*region1	hadafit, 3	0	0.0000	0.0000	.	.
item*region1	nuts, 1	1	-3.6400	2.7827	1.7111	0.1908
item*region1	nuts, 2	1	-3.2116	2.2683	2.0047	0.1568
item*region1	nuts, 3	0	0.0000	0.0000	.	.
item*region1	shitty, 1	1	2.6369	4.5237	0.3398	0.5600
item*region1	shitty, 2	1	2.1482	4.6564	0.2128	0.6445
item*region1	shitty, 3	0	0.0000	0.0000	.	.
item*region1	snapped, 1	0	24.8213	0.0000	.	.
item*region1	snapped, 2	1	0.0006	159259.579	0.0000	1.0000
item*region1	snapped, 3	0	0.0000	0.0000	.	.
decile*item	angis	1	0.0001	0.1904	0.0000	0.9995

decile*item	ballist	1	-0.8238	0.8490	0.9416	0.3319
decile*item	blew_me	1	0.0001	0.2195	0.0000	0.9995
decile*item	growl_me	1	-42.8816	0.2981	20687.6404	**0.0001**
decile*item	hadafit	1	0.1831	0.4180	0.1920	0.6613
decile*item	nuts	1	-0.0420	0.2703	0.0241	0.8766
decile*item	shitty	1	0.4059	0.5454	0.5539	0.4567
decile*item	snapped	1	0.0001	0.1923	0.0000	0.9996
dc*itm*reg1	angis, 1	0	0.4245	0.0000	.	.
dc*itm*reg1	angis, 2	1	-0.0001	22913.8157	0.0000	1.0000
dc*itm*reg1	angis, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	ballist, 1	1	0.8238	26083.3095	0.0000	1.0000
dc*itm*reg1	ballist, 2	1	1.3475	0.9088	2.1986	0.1381
dc*itm*reg1	ballist, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	blew_me, 1	1	-0.3732	0.2981	1.5671	0.2106
dc*itm*reg1	blew_me, 2	0	-0.1129	0.0000	.	.
dc*itm*reg1	blew_me, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	growl_me, 1	1	42.5542	0.3281	16820.3638	**0.0001**
dc*itm*reg1	growl_me, 2	0	42.5151	0.0000	.	.
dc*itm*reg1	growl_me, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	hadafit, 1	1	0.0459	0.4566	0.0101	0.9200
dc*itm*reg1	hadafit, 2	1	0.4408	0.4919	0.8032	0.3701
dc*itm*reg1	hadafit, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	nuts, 1	1	0.3575	0.4056	0.7768	0.3781
dc*itm*reg1	nuts, 2	1	0.4151	0.3266	1.6151	0.2038
dc*itm*reg1	nuts, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	shitty, 1	1	-0.2308	0.5645	0.1671	0.6827
dc*itm*reg1	shitty, 2	1	-0.3568	0.5810	0.3771	0.5392
dc*itm*reg1	shitty, 3	0	0.0000	0.0000	.	.
dc*itm*reg1	snapped, 1	0	-0.1818	0.0000	.	.
dc*itm*reg1	snapped, 2	1	-0.0001	22913.8157	0.0000	1.0000
dc*itm*reg1	snapped, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Main Region and Decile, Model 2

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-30.2850	1.3892	475.2679	0.0001
item	ballist	1	-3.7177	1.7060	4.7487	0.0293
item	blew_me	1	-26.0447	0.8934	849.9334	0.0001
item	growl_me	1	-0.8672	1.1588	0.5601	0.4542
item	hadafit	1	-5.1881	1.5141	11.7409	0.0006
item	nuts	1	-3.5780	1.2286	8.4815	0.0036
item	shitty	1	-3.5099	1.2979	7.3137	0.0068
item	snapped	1	-26.4164	0.8852	890.5580	0.0001
item*region1	angis, 1	0	25.7687	0.0000	.	.
item*region1	angis, 2	1	-0.2187	94022.1701	0.0000	1.0000
item*region1	angis, 3	0	0.0000	0.0000	.	.
item*region1	ballist, 1	1	-24.6289	114352.915	0.0000	0.9998
item*region1	ballist, 2	1	-0.4608	1.1706	0.1550	0.6938
item*region1	ballist, 3	0	0.0000	0.0000	.	.
item*region1	blew_me, 1	1	25.1954	0.7413	1155.1388	**0.0001**
item*region1	blew_me, 2	0	24.2989	0.0000	.	.
item*region1	blew_me, 3	0	0.0000	0.0000	.	.
item*region1	growl_me, 1	1	1.4340	1.1231	1.6301	0.2017
item*region1	growl_me, 2	1	-0.8359	1.2993	0.4139	0.5200
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
item*region1	hadafit, 1	1	0.5639	1.1771	0.2295	0.6319
item*region1	hadafit, 2	1	0.2240	1.1337	0.0391	0.8433
item*region1	hadafit, 3	0	0.0000	0.0000	.	.
item*region1	nuts, 1	1	-1.3364	1.0723	1.5533	0.2127
item*region1	nuts, 2	1	-0.4097	0.8685	0.2225	0.6372
item*region1	nuts, 3	0	0.0000	0.0000	.	.
item*region1	shitty, 1	1	0.8986	1.1185	0.6454	0.4217
item*region1	shitty, 2	1	-0.4440	1.1652	0.1452	0.7032
item*region1	shitty, 3	0	0.0000	0.0000	.	.
item*region1	snapped, 1	0	24.8718	0.0000	.	.
item*region1	snapped, 2	1	0.1295	97829.1359	0.0000	1.0000
item*region1	snapped, 3	0	0.0000	0.0000	.	.
decile*item	angis	1	0.4246	0.1904	4.9767	**0.0257**
decile*item	ballist	1	0.1810	0.1952	0.8606	0.3536
decile*item	blew_me	1	-0.2641	0.1407	3.5238	0.0605
decile*item	growl_me	1	-0.3716	0.1243	8.9319	**0.0028**
decile*item	hadafit	1	0.3802	0.1381	7.5779	**0.0059**
decile*item	nuts	1	0.2744	0.1319	4.3266	**0.0375**
decile*item	shitty	1	0.1506	0.1146	1.7271	0.1888
decile*item	snapped	1	-0.1817	0.1923	0.8928	0.3447
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Decile in Northern Region only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-4.5163	1.3892	10.5692	0.0011
item	ballist	1	-26.3653	146167.824	0.0000	0.9999
item	blew_me	1	-0.4791	0.7707	0.3864	0.5342
item	growl_me	1	0.3995	0.6175	0.4185	0.5177
item	hadafit	1	-3.6229	1.2425	8.5020	0.0035
item	nuts	1	-5.1940	2.2159	5.4940	0.0191
item	shitty	1	-2.7527	0.9287	8.7854	0.0030
item	snapped	1	-1.5446	0.8852	3.0447	0.0810
decile*item	angis	1	0.4246	0.1904	4.9767	0.0257
decile*item	ballist	1	0.0000	26083.3094	0.0000	1.0000
decile*item	blew_me	1	-0.3730	0.2017	3.4199	0.0644
decile*item	growl_me	1	-0.3275	0.1370	5.7129	**0.0168**
decile*item	hadafit	1	0.2290	0.1837	1.5545	0.2125
decile*item	nuts	1	0.3155	0.3024	1.0885	0.2968
decile*item	shitty	1	0.1752	0.1452	1.4544	0.2278
decile*item	snapped	1	-0.1817	0.1923	0.8928	0.3447
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Decile in Central Region only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-27.3653	262574.655	0.0000	0.9999
item	ballist	1	-6.9661	2.8596	5.9342	0.0148
item	blew_me	1	-2.5345	1.3832	3.3572	0.0669
item	growl_me	1	-1.7237	1.4175	1.4787	0.2240
item	hadafit	1	-7.0181	2.2891	9.3992	0.0022
item	nuts	1	-4.7655	1.5205	9.8231	0.0017
item	shitty	1	-3.2413	1.4426	5.0485	0.0246
item	snapped	1	-27.3653	262574.655	0.0000	0.9999
decile*item	angis	1	-0.0000	37778.4954	0.0000	1.0000
decile*item	ballist	1	0.5237	0.3242	2.6087	0.1063
decile*item	blew_me	1	-0.1127	0.2195	0.2639	0.6075
decile*item	growl_me	1	-0.3665	0.2981	1.5114	0.2189
decile*item	hadafit	1	0.6240	0.2592	5.7928	**0.0161**
decile*item	nuts	1	0.3731	0.1834	4.1386	**0.0419**
decile*item	shitty	1	0.0491	0.2002	0.0602	0.8061
decile*item	snapped	1	-0.0000	37778.4954	0.0000	1.0000
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Decile in Southern Region only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-4.5163	1.3892	10.5692	0.0011
item	ballist	1	-26.3653	146167.824	0.0000	0.9999
item	blew_me	1	-0.4791	0.7707	0.3864	0.5342
item	growl_me	1	0.3995	0.6175	0.4185	0.5177
item	hadafit	1	-3.6229	1.2425	8.5020	0.0035
item	nuts	1	-5.1940	2.2159	5.4940	0.0191
item	shitty	1	-2.7527	0.9287	8.7854	0.0030
item	snapped	1	-1.5446	0.8852	3.0447	0.0810
decile*item	angis	1	0.4246	0.1904	4.9767	0.0257
decile*item	ballist	1	0.0000	26083.3094	0.0000	1.0000
decile*item	blew_me	1	-0.3730	0.2017	3.4199	0.0644
decile*item	growl_me	1	-0.3275	0.1370	5.7129	**0.0168**
decile*item	hadafit	1	0.2290	0.1837	1.5545	0.2125
decile*item	nuts	1	0.3155	0.3024	1.0885	0.2968
decile*item	shitty	1	0.1752	0.1452	1.4544	0.2278
decile*item	snapped	1	-0.1817	0.1923	0.8928	0.3447
scale	0	1.00	0.0000	.	.	

Individual Alternatives for *Tell Off* by Decile and Urban/Rural, Model 1
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	angis	-4.5062	1.0384	-6.5414	-2.4710	-4.340	0.0000
item	ballist	-3.7823	2.3925	-8.4716	0.9070	-1.581	0.1139
item	blew_me	-4.5579	1.0419	-6.5999	-2.5159	-4.375	0.0000
item	growl_me	-0.4612	0.8683	-2.1631	1.2407	-.5311	0.5953
item	hadafit	-3.2870	0.9059	-5.0625	-1.5116	-3.629	0.0003
item	nuts	-4.0364	1.4217	-6.8228	-1.2500	-2.839	0.0045
item	shitty	-10.6753	3.6922	-17.9118	-3.4387	-2.891	0.0038
item	snapped	-1.9919	1.1269	-4.2006	0.2169	-1.768	0.0771
item*u/r	angis, 1	0.9845	1.3874	-1.7347	3.7036	0.7096	0.4780
item*u/r	angis, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	ballist, 1	-2.6469	2.6107	-7.7636	2.4699	-1.014	0.3106
item*u/r	ballist, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	blew_me, 1	4.2164	1.2171	1.8309	6.6019	3.4643	**0.0005**
item*u/r	blew_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	growlme, 1	0.5946	1.0722	-1.5069	2.6961	0.5546	0.5792
item*u/r	growlme, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	hadafit, 1	-3.1242	1.9714	-6.9881	0.7397	-1.585	0.1130
item*u/r	hadafit, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

item*u/r	nuts, 1	0.0958	1.6249	-3.0889	3.2806	0.0590	0.9530
item*u/r	nuts, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	shitty, 1	8.2282	3.7689	0.8414	15.615	2.1832	**0.0290**
item*u/r	shitty, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	snapped, 1	0.1356	1.5513	-2.9048	3.1760	0.0874	0.9304
item*u/r	snapped, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item	angis	0.2907	0.1208	0.0540	0.5274	2.4073	**0.0161**
dec*item	ballist	0.1248	0.3161	-0.4947	0.7444	0.3949	0.6929
dec*item	blew_me	0.0745	0.0463	-0.0162	0.1651	1.6099	0.1074
dec*item	growl_me	-0.5594	0.1226	-0.7997	-0.3190	-4.562	0.0000
dec*item	hadafit	0.2571	0.1125	0.0367	0.4776	2.2860	**0.0223**
dec*item	nuts	0.3197	0.1703	-0.0140	0.6535	2.2310	**0.0257**
dec*item	shitty	0.8654	0.3879	0.1051	1.6257	1.8776	0.0604
dec*item	snapped	-0.4506	0.0769	-0.6013	-0.2998	-5.859	0.0000
dc*it*u/r	angis, 1	-0.3327	0.1667	-0.6594	-0.0060	-1.996	**0.0460**
dc*it*u/r	angis, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	ballist, 1	0.2917	0.3362	-0.3673	0.9506	0.8676	0.3856
dc*it*u/r	ballist, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	blew_me, 1	-0.4629	0.1480	-0.7530	-0.1729	-3.128	**0.0018**
dc*it*u/r	blew_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	growlme, 1	0.1844	0.1942	-0.1961	0.5650	0.9498	0.3422
dc*it*u/r	growlme, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	hadafit, 1	0.2141	0.2480	-0.2718	0.7001	0.8636	0.3878
dc*it*u/r	hadafit, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	nuts, 1	-0.1595	0.1980	-0.5476	0.2286	-.8054	0.4206
dc*it*u/r	nuts, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	shitty, 1	-0.7696	0.4060	-1.5653	0.0262	-1.896	0.0580
dc*it*u/r	shitty, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dc*it*u/r	snapped, 1	0.1080	0.2741	-0.4291	0.6452	0.3941	0.6935
dc*it*u/r	snapped, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9205	.	.	.	.	.	

Individual Alternatives for *Tell Off* by Decile and Urban/Rural, Model 2
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	angis	-3.6418	0.7141	-5.0413	-2.2422	-5.100	0.0000
item	ballist	-4.5241	2.1382	-8.7149	-0.3333	-2.116	0.0344
item	blew_me	-2.4814	0.9108	-4.2665	-0.6963	-2.724	0.0064
item	growl_me	-0.9310	0.8189	-2.5360	0.6740	-1.137	0.2556
item	hadafit	-3.6174	0.8855	-5.3529	-1.8818	-4.085	0.0000
item	nuts	-3.5826	0.8881	-5.3232	-1.8420	-4.034	0.0001
item	shitty	-4.4708	0.9187	-6.2714	-2.6702	-4.866	0.0000
item	snapped	-2.2448	1.2994	-4.7917	0.3020	-1.728	0.0841
item*u/r	angis, 1	-1.1460	0.8003	-2.7145	0.4225	-1.432	0.1521
item*u/r	angis, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	ballist, 1	-0.5377	1.0578	-2.6110	1.5355	-.5083	0.6112
item*u/r	ballist, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	blew_me, 1	1.8481	1.0913	-0.2908	3.9871	1.6935	0.0904
item*u/r	blew_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	growlme, 1	1.1999	0.6819	-0.1366	2.5364	1.7596	0.0785
item*u/r	growlme, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	hadafit, 1	-1.5454	0.7100	-2.9369	-0.1538	-2.177	**0.0295**
item*u/r	hadafit, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	nuts, 1	-1.0171	0.6345	-2.2607	0.2264	-1.603	0.1089
item*u/r	nuts, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	shitty, 1	1.6451	0.7459	0.1832	3.1071	2.2055	**0.0274**
item*u/r	shitty, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	snapped, 1	0.4905	1.1931	-1.8480	2.8289	0.4111	0.6810
item*u/r	snapped, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item	angis	0.1802	0.0957	-0.0074	0.3678	1.8827	0.0597
dec*item	ballist	0.2225	0.2482	-0.2639	0.7089	0.8966	0.3699
dec*item	blew_me	-0.3092	0.1223	-0.5490	-0.0694	-2.527	**0.0115**
dec*item	growl_me	-0.4111	0.1268	-0.6597	-0.1625	-3.241	**0.0012**
dec*item	hadafit	0.2998	0.1033	0.0974	0.5022	2.9029	**0.0037**
dec*item	nuts	0.2621	0.1075	0.0514	0.4728	2.4378	**0.0148**
dec*item	shitty	0.1601	0.1135	-0.0624	0.3826	1.4106	0.1584
dec*item	snapped	-0.3736	0.1916	-0.7493	0.0020	-1.950	0.0512
scale	0.9713	.	.	.	.	.	

Individual Alternatives for *Tell Off* by Decile in Urban Schools only

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates

Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	angis	-4.5078	1.0382	-6.5426	-2.4730	-4.342	0.0000
item	ballist	-3.7811	2.3881	-8.4618	0.8995	-1.583	0.1134
item	blew_me	-4.5546	1.0381	-6.5892	-2.5201	-4.388	0.0000
item	growl_me	-0.4507	0.8651	-2.1464	1.2449	-.5210	0.6024
item	hadafit	-3.2876	0.9057	-5.0627	-1.5125	-3.630	0.0003
item	nuts	-4.0380	1.4221	-6.8252	-1.2508	-2.840	0.0045
item	shitty	-10.6840	3.6842	-17.9049	-3.4630	-2.900	0.0037
item	snapped	-1.9759	1.1124	-4.1561	0.2044	-1.776	0.0757
dec*item	angis	0.2912	0.1206	0.0548	0.5277	2.4144	0.0158
dec*item	ballist	0.1251	0.3155	-0.4932	0.7434	0.3965	0.6917
dec*item	blew_me	0.0747	0.0465	-0.0163	0.1658	1.6085	0.1077
dec*item	growl_me	-0.5618	0.1226	-0.8020	-0.3215	-4.583	0.0000
dec*item	hadafit	0.2574	0.1124	0.0371	0.4777	2.2901	**0.0220**
dec*item	nuts	0.3202	0.1703	-0.0137	0.6540	1.8797	0.0601
dec*item	shitty	0.8669	0.3871	0.1081	1.6257	2.2391	**0.0251**
dec*item	snapped	-0.4537	0.0763	-0.6032	-0.3041	-5.947	0.0000
scale	0.8762	.	.	.	.	.	

Individual Alternatives for *Tell Off* by Decile in Rural Schools only

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates

Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	angis	-3.5293	0.9246	-5.3414	-1.7171	-3.817	0.0001
item	ballist	-6.4064	1.0327	-8.4305	-4.3823	-6.203	0.0000
item	blew_me	-0.3483	0.6295	-1.5822	0.8855	-.5533	0.5800
item	growl_me	0.1278	0.6287	-1.1044	1.3599	0.2032	0.8390
item	hadafit	-6.3875	1.7349	-9.7878	-2.9873	-3.682	0.0002
item	nuts	-3.9405	0.7869	-5.4828	-2.3982	-5.008	0.0000
item	shitty	-2.4487	0.7570	-3.9324	-0.9650	-3.235	0.0012
item	snapped	-1.8674	1.0690	-3.9626	0.2278	-1.747	0.0807
decile*item	angis	-0.0406	0.1150	-0.2660	0.1847	-.3536	0.7237
decile*item	ballist	0.4133	0.1143	0.1892	0.6373	3.6150	**0.0003**
decile*item	blew_me	-0.3869	0.1402	-0.6616	-0.1121	-2.759	**0.0058**
decile*item	growl_me	-0.3737	0.1502	-0.6680	-0.0793	-2.488	**0.0128**
decile*item	hadafit	0.4680	0.2197	0.0375	0.8985	2.1306	**0.0331**
decile*item	nuts	0.1602	0.1011	-0.0380	0.3583	1.5844	0.1131
decile*item	shitty	0.0961	0.1199	-0.1389	0.3311	0.8015	0.4228
decile*item	snapped	-0.3400	0.2621	-0.8536	0.1737	-1.297	0.1946
scale	0.9488	.	.	.	.	.	

Individual Alternatives for *Tell Off* by Island and Urb/Rur, Model 2 (0 in Model 1)
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	angis	1	-25.6976	0.4781	2889.1104	0.0001
item	ballist	1	-1.9733	0.6703	8.6649	0.0032
item	blew_me	1	-5.0103	1.2337	16.4934	0.0001
item	growl_me	1	-5.2243	1.1774	19.6875	0.0001
item	hadafit	1	-1.4139	0.5254	7.2422	0.0071
item	nuts	1	-0.7966	0.4654	2.9291	0.0870
item	shitty	1	-3.6583	0.8667	17.8151	0.0001
item	snapped	1	-27.0053	1.0127	711.0545	0.0001
item*urb_rur	angis, 1	1	-1.2528	0.8654	2.0954	0.1477
item*urb_rur	angis, 2	0	0.0000	0.0000	.	.
item*urb_rur	ballist, 1	1	-1.0133	0.9487	1.1409	0.2855
item*urb_rur	ballist, 2	0	0.0000	0.0000	.	.
item*urb_rur	blew_me, 1	1	2.1381	1.0680	4.0079	**0.0453**
item*urb_rur	blew_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	growl_me, 1	1	1.5877	0.6714	5.5919	**0.0180**
item*urb_rur	growl_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	hadafit, 1	1	-1.8548	0.6785	7.4728	**0.0063**
item*urb_rur	hadafit, 2	0	0.0000	0.0000	.	.
item*urb_rur	nuts, 1	1	-1.5362	0.6532	5.5311	**0.0187**
item*urb_rur	nuts, 2	0	0.0000	0.0000	.	.
item*urb_rur	shitty, 1	1	1.4683	0.7913	3.4429	0.0635
item*urb_rur	shitty, 2	0	0.0000	0.0000	.	.
item*urb_rur	snapped, 1	1	0.8910	1.1747	0.5753	0.4482
item*urb_rur	snapped, 2	0	0.0000	0.0000	.	.
item*island	angis, 1	0	23.7517	0.0000	.	.
item*island	angis, 2	0	0.0000	0.0000	.	.
item*island	ballist, 1	1	-2.0823	1.1408	3.3314	0.0680
item*island	ballist, 2	0	0.0000	0.0000	.	.
item*island	blew_me, 1	1	1.2090	0.8118	2.2175	0.1365
item*island	blew_me, 2	0	0.0000	0.0000	.	.
item*island	growl_me, 1	1	2.6748	1.0520	6.4647	**0.0110**
item*island	growl_me, 2	0	0.0000	0.0000	.	.
item*island	hadafit, 1	1	-0.0884	0.6087	0.0211	0.8845
item*island	hadafit, 2	0	0.0000	0.0000	.	.
item*island	nuts, 1	1	-1.6817	0.6518	6.6573	**0.0099**
item*island	nuts, 2	0	0.0000	0.0000	.	.
item*island	shitty, 1	1	0.4287	0.6363	0.4539	0.5005
item*island	shitty, 2	0	0.0000	0.0000	.	.
item*island	snapped, 1	0	23.3417	0.0000	.	.
item*island	snapped, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Summary of Vital Stats for *growl me*

***Growl me* by Decile**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-0.0408	0.5245	-1.0687	0.9871	-.0778	0.9380
dec*item	growl_me	-0.4221	0.1234	-0.6639	-0.1803	-3.421	**0.0006**
scale	1.0039	.	.	.	.	.	

***Growl me* by Main Region**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-2.5649	1.0377	-4.5989	-0.5310	-2.472	0.0134
item*reg1	growl_me, 1	1.5353	1.0805	-0.5823	3.6530	1.4210	0.1553
item*reg1	growl_me, 2	-1.0726	1.2610	-3.5441	1.3988	-.8506	0.3950
item*reg1	growl_me, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for growl_me	1	17.9088	**0.0001**	LR

***Growl me* by Island**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter	Estimate	Std	Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-4.0254	1.0089	-6.0027	-2.0480	-3.990	0.0001
item*island	growl_me, 1	2.5278	1.0440	0.4817	4.5739	2.4214	**0.0155**
item*island	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Growl me* by Urban/Rural**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-2.9267	0.5926	-4.0882	-1.7652	-4.939	0.0000
item*u/r	growl_me, 1	1.3721	0.6572	0.0840	2.6602	2.0877	**0.0368**
item*u/r	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Growl me* by Main Region and Urban/Rural, Model 2**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-3.6979	1.1642	-5.9797	-1.4160	-3.176	0.0015
item*reg1	growl_me, 1	1.7163	1.0807	-0.4019	3.8345	1.5881	0.1123
item*reg1	growl_me, 2	-0.8421	1.2642	-3.3198	1.6356	-.6661	0.5053
item*reg1	growl_me, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	growl_me, 1	1.3883	0.6714	0.0723	2.7042	2.0676	**0.0387**
item*u/r	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9071	.	.	.	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for growl_me	1	16.4628	**0.0001**	LR

***Growl me* by Decile and Island, Model 2**

Analysis Of GEE Parameter Estimates – Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-2.0408	1.2754	-4.5406	0.4591	-1.600	0.1096
item*is	growl_me, 1	2.1402	1.0477	0.0868	4.1936	2.0428	**0.0411**
item*is	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item	growl_me	-0.3617	0.1264	-0.6094	-0.1140	-2.862	**0.0042**
scale	0.8546	.	.	.	.	.	

***Growl me* by Main Region and Decile, Model 1**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growl_me	1	67.1999	1.4175	2247.4533	0.0001
item*region1	growl_me, 1	1	-66.8004	1.5462	1866.6103	**0.0001**
item*region1	growl_me, 2	0	-68.9236	0.0000	.	.
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
decile*item	growl_me	1	-44.8816	0.2981	22662.3045	**0.0001**
dec*item*reg1	growl_me, 1	1	44.5541	0.3281	18438.5305	**0.0001**
dec*item*reg1	growl_me, 2	0	44.5150	0.0000	.	.
dec*item*reg1	growl_me, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

***Growl me* by Decile and Main Region, Model 2**

Analysis Of GEE Parameter Estimates –Empirical 95% Confidence Limits

parameter		Est	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-0.8672	1.1481	-3.1174	1.3830	-.7553	0.4501
item*reg1	growl_me, 1	1.4340	1.0040	-0.5338	3.4018	1.4283	0.1532
item*reg1	growl_me, 2	-0.8359	1.1917	-3.1717	1.4999	-.7014	0.4830
item*reg1	growl_me, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	growl_me	-0.3716	0.1319	-0.6301	-0.1131	-2.817	**0.0048**
scale	0.9375	.	.	.	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for growl_me	1	11.6247	**0.0007**	LR

***Growl me* by Decile and Urban/Rural, Model 2**

Analysis Of GEE Parameter Estimates –Empirical 95% Confidence Limits

parameter	Estimate	Std	Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-0.9308	0.8189	-2.5358	0.6741	-1.137	0.2557
item*u/r	growl_me, 1	1.1998	0.6819	-0.1367	2.5364	1.7595	0.0785
item*u/r	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec/*item	growl_me	-0.4111	0.1269	-0.6597	-0.1625	-3.241	**0.0012**
scale	0.9304	.	.		.	..	

***Growl me* by Island and Urban/Rural, Model 2**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-5.2243	1.1378	-7.4544	-2.9943	-4.592	0.0000
item*u/r	growl_me, 1	1.5877	0.6673	0.2799	2.8955	2.3794	**0.0173**
item*u/r	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*is/	growl_me, 1	2.6748	1.0451	0.6264	4.7232	2.5593	**0.0105**
item*is/	growl_me, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9506	.	.	.	.	.	

***Growl me* by Decile in Northern Region only**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter	Estimate	Std	Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	0.3995	0.6459	-0.8665	1.6654	0.6185	0.5363
decile*item	growl_me	-0.3275	0.1456	-0.6129	-0.0421	-2.249	**0.0245**
scale	1.0078	.	.	.	.	.	

***Growl me* by Decile in Central Region only**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-1.7237	1.2573	-4.1879	0.7405	-1.371	0.1704
decile*item	growl_me	-0.3665	0.2474	-0.8514	0.1183	-1.482	0.1384
scale	0.9074	.	.	.	.	.	

***Growl me* by Decile in Central Region only**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	0.3995	0.6459	-0.8665	1.6654	0.6185	0.5363
decile*item	growl_me	-0.3275	0.1456	-0.6129	-0.0421	-2.249	**0.0245**
scale	1.0078	.	.	.	.	.	

***Growl me* by Decile in Urban schools only**

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates

Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	-0.4652	0.8695	-2.1694	1.2391	-.5349	0.5927
decile*item	growl_me	-0.5584	0.1227	-0.7989	-0.3180	-4.553	**0.0000**
scale	0.6516	.	.	.	.	.	

***Growl me* by Decile in Rural schools only**

Analysis Of GEE Parameter Estimates

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growl_me	0.1300	0.6288	-1.1024	1.3625	0.2068	0.8362
decile*item	growl_me	-0.3742	0.1503	-0.6688	-0.0796	-2.489	**0.0128**
scale	1.0350	.	.	.	.	.	

***Growl me* by Main Region and Island, Model 2**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.000	0.0000	.	.	
item	growl_me	1	-2.5649	1.0377	6.1090	0.0134
item*region1	growl_me, 1	1	-23.0268	1.0805	454.2019	**0.0001**
item*region1	growl_me, 2	1	-24.8006	1.2678	382.6894	**0.0001**
item*region1	growl_me, 3	0	0.0000	0.0000	.	.
item*island	growl_me, 1	0	24.5622	0.0000	.	.
item*island	growl_me, 2	0	0.0000	0.0000	.	.
scale	0	1.000	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for growl_me	1	7.0223	**0.0081**	LR

***Growl me* by Catholic and Urban/Rural, Model 2 (no sig. figs. Model 1)**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growl_me	1	-26.8405	0.5976	2017.1620	0.0001
item*catholic	growl_me, 1	0	24.2015	0.0000	.	.
item*catholic	growl_me, 2	0	0.0000	0.0000	.	.
item*urb_rur	growl_me, 1	1	1.1575	0.6625	3.0520	0.0806
item*urb_rur	growl_me, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Second group of Alternatives to *Tell Off*
Root Alternatives for *Tell Off* by Decile
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	0.3132	0.4562	-0.5809	1.2073	0.6867	0.4923
item	psych	-2.2328	0.4616	-3.1375	-1.3282	-4.838	0.0000
item	rark	-3.2166	0.9047	-4.9898	-1.4434	-3.555	0.0004
item	schitz	-3.7071	0.8391	-5.3518	-2.0625	-4.418	0.0000
item	throw	-2.2854	0.4946	-3.2548	-1.3159	-4.620	0.0000
decile*item	growltot	-0.3379	0.0953	-0.5248	-0.1511	-3.545	**0.0004**
decile*item	psych	0.2938	0.0679	0.1606	0.4270	4.3241	**0.0000**
decile*item	rark	0.0065	0.1387	-0.2654	0.2785	0.0469	0.9626
decile*item	schitz	0.1120	0.1151	-0.1137	0.3376	0.9727	0.3307
decile*item	throw	0.1905	0.0710	0.0513	0.3296	2.6829	**0.0073**
scale	1.0025	.	.	.	.	.	

Root Alternatives for *Tell Off* by Main Region
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-2.5649	1.0377	6.1090	0.0134
item	psych	1	0.5878	0.5578	1.1105	0.2920
item	rark	1	-25.3653	0.7164	1253.8041	0.0001
item	schitz	1	-25.3653	0.4249	3563.4396	0.0001
item	throw	1	-0.2877	0.5401	0.2838	0.5943
item*region1	growltot, 1	1	2.1006	1.0728	3.8340	**0.0502**
item*region1	growltot, 2	1	0.2482	1.1108	0.0499	0.8232
item*region1	growltot, 3	0	0.0000	0.0000	.	.
item*region1	psych, 1	1	-2.4002	0.6757	12.6190	**0.0004**
item*region1	psych, 2	1	-0.5365	0.6020	0.7942	0.3728
item*region1	psych, 3	0	0.0000	0.0000	.	.
item*region1	rark, 1	1	22.7813	0.8843	663.6464	**0.0001**
item*region1	rark, 2	0	21.7277	0.0000	.	.
item*region1	rark, 3	0	0.0000	0.0000	.	.
item*region1	schitz, 1	1	21.3400	1.0947	379.9974	**0.0001**
item*region1	schitz, 2	0	22.8804	0.0000	.	.
item*region1	schitz, 3	0	0.0000	0.0000	.	.
item*region1	throw, 1	1	-1.5247	0.6611	5.3188	**0.0211**
item*region1	throw, 2	1	-0.5842	0.5944	0.9658	0.3257
item*region1	throw, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Root Alternatives for *Tell Off* by Small Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-2.5649	1.0377	6.1090	0.0134
item	psych	1	0.5878	0.5578	1.1105	0.2920
item	rark	1	-26.3652	1.0290	656.5047	0.0001
item	schitz	1	-26.3654	0.6325	1737.8312	0.0001
item	throw	1	-0.2877	0.5401	0.2838	0.5943
item*region2	growltot, 1	1	4.1744	1.5089	7.6531	**0.0057**
item*region2	growltot, 2	1	1.8718	1.3516	1.9178	0.1661
item*region2	growltot, 3	1	1.5353	1.1612	1.7482	0.1861
item*region2	growltot, 4	1	2.0949	1.1133	3.5410	0.0599
item*region2	growltot, 5	1	2.2285	1.1915	3.4978	0.0615
item*region2	growltot, 6	1	-0.4796	1.4576	0.1083	0.7421
item*region2	growltot, 7	1	-23.8004	177025.517	0.0000	0.9999
item*region2	growltot, 8	1	-23.8004	216811.094	0.0000	0.9999
item*region2	growltot, 9	1	-23.8004	125175.944	0.0000	0.9998
item*region2	growltot, 10	1	0.3677	1.4792	0.0618	0.8037
item*region2	growltot, 11	0	0.0000	0.0000	.	.
item*region2	psych, 1	1	-2.1972	1.2293	3.1949	0.0739
item*region2	psych, 2	1	-26.9531	216811.094	0.0000	0.9999
item*region2	psych, 3	1	-1.9095	0.7923	5.8083	**0.0160**
item*region2	psych, 4	1	-2.6247	0.8294	10.0140	**0.0016**
item*region2	psych, 5	1	-2.9857	1.1841	6.3582	**0.0117**
item*region2	psych, 6	1	-0.2201	0.7065	0.0970	0.7554
item*region2	psych, 7	1	-1.2809	0.9006	2.0229	0.1549
item*region2	psych, 8	1	1.0217	1.2293	0.6907	0.4059
item*region2	psych, 9	1	-0.3646	0.7322	0.2480	0.6185
item*region2	psych, 10	1	0.7985	0.9675	0.6811	0.4092
item*region2	psych, 11	0	0.0000	0.0000	.	.
item*region2	rark, 1	1	-0.0001	216811.094	0.0000	1.0000
item*region2	rark, 2	1	-0.0001	216811.094	0.0000	1.0000
item*region2	rark, 3	1	-0.0001	121837.317	0.0000	1.0000
item*region2	rark, 4	1	24.6604	1.1637	449.0487	**0.0001**
item*region2	rark, 5	1	-0.0001	153308.595	0.0000	1.0000
item*region2	rark, 6	1	-0.0001	113225.901	0.0000	1.0000
item*region2	rark, 7	1	-0.0001	177025.517	0.0000	1.0000
item*region2	rark, 8	1	-0.0001	216811.094	0.0000	1.0000
item*region2	rark, 9	0	23.5320	0.0000	.	.
item*region2	rark, 10	1	-0.0001	167941.152	0.0000	1.0000
item*region2	rark, 11	0	0.0000	0.0000	.	.
item*region2	schitz, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	schitz, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	schitz, 3	1	23.4750	1.2065	378.6014	**0.0001**

item*region2	schitz, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	schitz, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	schitz, 6	1	0.0000	113225.901	0.0000	1.0000
item*region2	schitz, 7	1	24.2859	1.2349	386.7581	**0.0001**
item*region2	schitz, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	schitz, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	schitz, 10	0	26.3654	0.0000	.	.
item*region2	schitz, 11	0	0.0000	0.0000	.	.
item*region2	throw, 1	1	-1.3218	1.2213	1.1712	0.2792
item*region2	throw, 2	1	-26.0776	216811.094	0.0000	0.9999
item*region2	throw, 3	1	-0.2513	0.7196	0.1220	0.7269
item*region2	throw, 4	1	-26.0776	104152.681	0.0000	0.9998
item*region2	throw, 5	1	-2.1102	1.1758	3.2208	0.0727
item*region2	throw, 6	1	-0.6931	0.7217	0.9225	0.3368
item*region2	throw, 7	1	-0.9651	0.9667	0.9966	0.3181
item*region2	throw, 8	1	-0.4055	1.0206	0.1578	0.6912
item*region2	throw, 9	1	0.0645	0.7188	0.0081	0.9285
item*region2	throw, 10	1	-0.1178	0.8416	0.0196	0.8887
item*region2	throw, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Root Alternatives for *Tell Off* by Island

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-3.3142	0.7198	-4.7251	-1.9033	-4.604	0.0000
item	psych	0.4643	0.2721	-0.0690	0.9976	1.7065	0.0879
item	rark	-4.0254	1.0089	-6.0027	-2.0480	-3.990	0.0001
item	schitz	-2.1401	0.4316	-2.9860	-1.2942	-4.959	0.0000
item	throw	-0.4643	0.2721	-0.9976	0.0690	-1.707	0.0879
item*island	growltot, 1	2.4720	0.7545	0.9932	3.9508	3.2763	**0.0011**
item*island	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	psych, 1	-1.5773	0.3630	-2.2888	-0.8658	-4.345	**0.0000**
item*island	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	rark, 1	1.1575	1.1087	-1.0156	3.3305	1.0440	0.2965
item*island	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	schitz, 1	-2.3817	1.0941	-4.5262	-0.2372	-2.177	**0.0295**
item*island	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	throw, 1	-1.1844	0.3918	-1.9523	-0.4164	-3.023	**0.0025**
item*island	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Root Alternatives for *Tell Off* by Catholic

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-25.3653	0.2079	14881.7107	0.0001
item	psych	1	0.2513	0.5040	0.2487	0.6180
item	rark	1	-25.3653	0.4179	3683.5876	0.0001
item	schitz	1	-25.3653	0.3885	4263.1336	0.0001
item	throw	1	-1.0986	0.5774	3.6208	0.0571
item*catholic	growltot, 1	0	24.1514	0.0000	.	.
item*catholic	growltot, 2	0	0.0000	0.0000	.	.
item*catholic	psych, 1	1	-0.8320	0.5359	2.4106	0.1205
item*catholic	psych, 2	0	0.0000	0.0000	.	.
item*catholic	rark, 1	0	22.3288	0.0000	.	.
item*catholic	rark, 2	0	0.0000	0.0000	.	.
item*catholic	schitz, 1	0	22.4909	0.0000	.	.
item*catholic	schitz, 2	0	0.0000	0.0000	.	.
item*catholic	throw, 1	1	0.0102	0.6114	0.0003	0.9868
item*catholic	throw, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Root Alternatives for *Tell Off* by Urban/Rural

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates

Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-2.0053	0.4026	-2.7944	-1.2162	-4.981	0.0000
item	psych	-0.1018	0.2607	-0.6128	0.4092	-.3904	0.6962
item	rark	-4.0604	1.0086	-6.0372	-2.0837	-4.026	0.0001
item	schitz	-2.6210	0.5179	-3.6360	-1.6060	-5.061	0.0000
item	throw	-0.9045	0.2875	-1.4679	-0.3410	-3.146	0.0017
item*urb_rur	growltot, 1	0.9977	0.4706	0.0754	1.9200	2.1202	**0.0340**
item*urb_rur	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	psych, 1	-0.7345	0.3509	-1.4221	-0.0468	-2.093	**0.0363**
item*urb_rur	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	rark, 1	1.2754	1.1089	-0.8979	3.4488	1.1502	0.2501
item*urb_rur	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	schitz, 1	-0.6992	0.7833	-2.2344	0.8361	-.8926	0.3721
item*urb_rur	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	throw, 1	-0.4964	0.3949	-1.2704	0.2776	-1.257	0.2087
item*urb_rur	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile and Main Region, Model 1

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	61.2002	0.9067	4556.2027	0.0001
item	psych	1	-0.5275	1.2660	0.1736	0.6769
item	rark	1	-25.3654	1.9198	174.5732	0.0001
item	schitz	1	-25.3652	1.0775	554.1554	0.0001
item	throw	1	0.7353	1.2642	0.3383	0.5608
item*region1	growltot, 1	1	-60.1077	1.0890	3046.4163	**0.0001**
item*region1	growltot, 2	0	-62.4565	0.0000	.	.
item*region1	growltot, 3	0	0.0000	0.0000	.	.
item*region1	psych, 1	1	-2.9118	1.6564	3.0901	0.0788
item*region1	psych, 2	1	-1.4177	1.4450	0.9625	0.3265
item*region1	psych, 3	0	0.0000	0.0000	.	.
item*region1	rark, 1	1	22.3350	2.2464	98.8516	**0.0001**
item*region1	rark, 2	0	21.6657	0.0000	.	.
item*region1	rark, 3	0	0.0000	0.0000	.	.
item*region1	schitz, 1	1	14.1538	7.5028	3.5588	0.0592
item*region1	schitz, 2	0	23.1442	0.0000	.	.
item*region1	schitz, 3	0	0.0000	0.0000	.	.
item*region1	throw, 1	1	-5.0999	1.8161	7.8858	**0.0050**
item*region1	throw, 2	1	-2.6091	1.4635	3.1782	0.0746
item*region1	throw, 3	0	0.0000	0.0000	.	.
decile*item	growltot	1	-40.8818	0.1502	74040.7684	**0.0001**
decile*item	psych	1	0.2000	0.2090	0.9152	0.3387
decile*item	rark	1	0.0000	0.2741	0.0000	1.0000
decile*item	schitz	1	-0.0000	0.1600	0.0000	0.9999
decile*item	throw	1	-0.1795	0.2017	0.7922	0.3734
decile*item*reg1	growltot, 1	1	40.5447	0.1933	44013.5071	**0.0001**
decile*item*reg1	growltot, 2	0	40.7028	0.0000	.	.
decile*item*reg1	growltot, 3	0	0.0000	0.0000	.	.
decile*item*reg1	psych, 1	1	0.0882	0.2613	0.1139	0.7358
decile*item*reg1	psych, 2	1	0.1096	0.2319	0.2232	0.6366
decile*item*reg1	psych, 3	0	0.0000	0.0000	.	.
decile*item*reg1	rark, 1	1	0.0861	0.3344	0.0663	0.7968
decile*item*reg1	rark, 2	0	0.0096	0.0000	.	.
decile*item*reg1	rark, 3	0	0.0000	0.0000	.	.
decile*item*reg1	schitz, 1	1	0.9633	0.8400	1.3149	0.2515
decile*item*reg1	schitz, 2	0	-0.0418	0.0000	.	.
decile*item*reg1	schitz, 3	0	0.0000	0.0000	.	.
decile*item*reg1	throw, 1	1	0.6077	0.2707	5.0393	0.0248
decile*item*reg1	throw, 2	1	0.3301	0.2255	2.1430	0.1432
decile*item*reg1	throw, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Root Alternatives for *Tell Off* by Decile and Main Region, Model 2

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-1.1229	1.1207	1.0038	0.3164
item	psych	1	-1.0046	0.7268	1.9107	0.1669
item	rark	1	-25.7320	1.2959	394.3044	0.0001
item	schitz	1	-25.6960	1.1089	536.9689	0.0001
item	throw	1	-1.2625	0.7217	3.0603	0.0802
item*region1	growltot, 1	1	2.0612	1.1034	3.4900	0.0617
item*region1	growltot, 2	1	0.4910	1.1418	0.1849	0.6672
item*region1	growltot, 3	0	0.0000	0.0000	.	.
item*region1	psych, 1	1	-2.4445	0.7231	11.4289	**0.0007**
item*region1	psych, 2	1	-0.8117	0.6534	1.5433	0.2141
item*region1	psych, 3	0	0.0000	0.0000	.	.
item*region1	rark, 1	1	22.8340	0.9172	619.8288	**0.0001**
item*region1	rark, 2	0	21.6865	0.0000	.	.
item*region1	rark, 3	0	0.0000	0.0000	.	.
item*region1	schitz, 1	1	21.3866	1.1168	366.7129	**0.0001**
item*region1	schitz, 2	0	22.8443	0.0000	.	.
item*region1	schitz, 3	0	0.0000	0.0000	.	.
item*region1	throw, 1	1	-1.4344	0.6753	4.5117	**0.0337**
item*region1	throw, 2	1	-0.7138	0.6127	1.3569	0.2441
item*region1	throw 3	0	0.0000	0.0000	.	.
decile*item	growltot	1	-0.3017	0.0924	10.6640	**0.0011**
decile*item	psych	1	0.2897	0.0783	13.6991	**0.0002**
decile*item	rark	1	0.0615	0.1582	0.1511	0.6974
decile*item	schitz	1	0.0556	0.1516	0.1345	0.7138
decile*item	throw	1	0.1655	0.0771	4.6075	**0.0318**
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for growltot	1	10.7879	**0.0010**	LR
1 –2 for psych	1	14.1605	**0.0002**	LR
1 –2 for throw	1	2.4758	0.1156	LR

Root Alternatives for *Tell Off* by Decile in Northern Region only
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	1.0990	0.6338	-0.1432	2.3411	1.7340	0.0829
item	psych	-3.4562	1.0917	-5.5960	-1.3165	-3.166	0.0015
item	rark	-3.0371	1.2110	-5.4106	-0.6636	-2.508	0.0121
item	schitz	-11.6772	1.9921	-15.5816	-7.7728	-5.862	0.0000
item	throw	-4.3978	1.4184	-7.1779	-1.6177	-3.100	0.0019
decile*item	growltot	-0.3387	0.1377	-0.6086	-0.0689	-2.460	**0.0139**
decile*item	psych	0.2909	0.1591	-0.0210	0.6027	1.8282	0.0675
decile*item	rark	0.0875	0.1992	-0.3030	0.4780	0.4393	0.6604
decile*item	schitz	1.0194	0.2285	0.5716	1.4672	4.4617	**0.0000**
decile*item	throw	0.4331	0.1967	0.0475	0.8187	2.2014	**0.0277**
scale	0.9392	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile in Central Region only
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-1.2112	0.8881	-2.9517	0.5294	-1.364	0.1726
item	psych	-1.9466	0.6284	-3.1781	-0.7150	-3.098	0.0019
item	rark	-3.6815	1.2541	-6.1395	-1.2234	-2.935	0.0033
item	schitz	-2.1980	0.8599	-3.8834	-0.5125	-2.556	0.0106
item	throw	-1.8801	0.6904	-3.2332	-0.5270	-2.723	0.0065
decile*item	growltot	-0.1868	0.1491	-0.4791	0.1055	-1.252	0.2104
decile*item	psych	0.3093	0.0922	0.1286	0.4900	3.3553	**0.0008**
decile*item	rark	0.0073	0.1603	-0.3069	0.3215	0.0455	0.9637
decile*item	schitz	-0.0452	0.1212	-0.2827	0.1923	-.3728	0.7093
decile*item	throw	0.1516	0.0946	-0.0337	0.3370	1.6032	0.1089
scale	0.9966	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile in Southern Region only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	70.1993	249261.779	0.0000	0.9998
item	psych	1	-0.5275	1.2660	0.1736	0.6769
item	rark	1	-28.3653	883744.347	0.0000	1.0000
item	schitz	1	-28.3653	883744.347	0.0000	1.0000
item	throw	1	0.7353	1.2642	0.3383	0.5608
decile*item	growltot	1	-46.8812	148158.066	0.0000	0.9997
decile*item	psych	1	0.2000	0.2090	0.9152	0.3387
decile*item	rark	1	-0.0000	137420.456	0.0000	1.0000
decile*item	schitz	1	-0.0000	137420.456	0.0000	1.0000
decile*item	throw	1	-0.1795	0.2017	0.7922	0.3734
scale	0	1.00	0.0000	.	.	

Root Alternatives for *Tell Off* in Northern and Central Regions only
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-2.3168	0.3962	-3.0932	-1.5403	-5.848	0.0000
item	psych	0.0513	0.2265	-0.3927	0.4953	0.2264	0.8209
item	rark	-3.6376	0.7164	-5.0416	-2.2336	-5.078	0.0000
item	schitz	-2.4849	0.4249	-3.3177	-1.6521	-5.848	0.0000
item	throw	-0.8718	0.2483	-1.3585	-0.3852	-3.511	0.0004
item*reg1	growltot, 1	1.8525	0.4806	0.9105	2.7944	3.8546	**0.0001**
item*reg1	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*reg1	psych, 1	-1.8637	0.4435	-2.7330	-0.9944	-4.202	**0.0000**
item*reg1	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*reg1	rark, 1	1.0536	0.8843	-0.6797	2.7868	1.1914	0.2335
item*reg1	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*reg1	schitz, 1	-1.5404	1.0947	-3.6861	0.6052	-1.407	0.1594
item*reg1	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*reg1	throw, 1	-0.9405	0.4550	-1.8324	-0.0487	-2.067	**0.0387**
item*reg1	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile and Island, Model 1
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter	Estimate	Std	Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-1.3176	2.1003	-5.4342	2.7989	-.6273	0.5304
item	psych	-0.4879	0.7671	-1.9914	1.0157	-.6360	0.5248
item	rark	-6.2690	1.0339	-8.2955	-4.2425	-6.063	0.0000
item	schitz	-1.6819	1.0052	-3.6520	0.2882	-1.673	0.0943
item	throw	-0.5693	0.8031	-2.1435	1.0048	-.7089	0.4784
decile*item	growltot	-0.3599	0.4460	-1.2341	0.5143	-.8069	0.4197
decile*item	psych	0.1478	0.1116	-0.0709	0.3665	1.3244	0.1854
decile*item	rark	0.3065	0.0720	0.1654	0.4476	4.2574	0.0000
decile*item	schitz	-0.0721	0.1458	-0.3579	0.2137	-.4947	0.6208
decile*item	throw	0.0159	0.1153	-0.2101	0.2420	0.1382	0.8901
item*island	growltot, 1	1.8251	2.1544	-2.3973	6.0476	0.8472	0.3969
item*island	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	psych, 1	-2.7581	1.0563	-4.8285	-0.6877	-2.611	**0.0090**
item*island	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	rark, 1	3.3486	1.3650	0.6733	6.0239	2.4532	**0.0142**
item*island	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	schitz, 1	-8.2988	1.5736	-11.3830	-5.2146	-5.274	**0.0000**
item*island	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	throw, 1	-2.8114	1.0910	-4.9497	-0.6731	-2.577	**0.0100**
item*island	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item*is	growltot, 1	0.0818	0.4562	-0.8122	0.9759	0.1794	0.8576
dec*item*is	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item*is	psych, 1	0.2076	0.1510	-0.0883	0.5035	1.3752	0.1691
dec*item*is	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item*is	rark, 1	-0.2963	0.1600	-0.6099	0.0173	-1.852	0.0641
dec*item*is	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item*is	schitz, 1	0.7922	0.1807	0.4380	1.1464	4.3833	**0.0000**
dec*item*is	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dec*item*is	throw, 1	0.2693	0.1542	-0.0330	0.5716	1.7461	0.0808
dec*item*is	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9608	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile and Island, Model 2
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-1.6718	0.8747	-3.3861	0.0425	-1.911	0.0560
item	psych	-1.2582	0.5437	-2.3238	-0.1926	-2.314	0.0207
item	rark	-4.2331	1.1766	-6.5392	-1.9269	-3.598	0.0003
item	schitz	-2.4150	1.1889	-4.7451	-0.0848	-2.031	0.0422
item	throw	-1.5289	0.6064	-2.7174	-0.3404	-2.521	0.0117
decile*item	growltot	-0.2904	0.0968	-0.4801	-0.1006	-3.000	**0.0027**
decile*item	psych	0.2697	0.0725	0.1277	0.4118	3.7209	**0.0002**
decile*item	rark	0.0313	0.1291	-0.2217	0.2843	0.2425	0.8084
decile*item	schitz	0.0415	0.1525	-0.2574	0.3404	0.2721	0.7855
decile*item	throw	0.1604	0.0759	0.0116	0.3092	2.1131	**0.0346**
item*island	growltot, 1	2.2398	0.7719	0.7269	3.7527	2.9017	**0.0037**
item*island	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	psych, 1	-1.4338	0.3852	-2.1888	-0.6788	-3.722	**0.0002**
item*island	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	rark, 1	1.1995	1.0861	-0.9292	3.3282	1.1044	0.2694
item*island	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	schitz, 1	-2.3274	1.1927	-4.6649	0.0102	-1.951	0.0510
item*island	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	throw, 1	-1.0429	0.4103	-1.8472	-0.2387	-2.542	**0.0110**
item*island	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9888	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile in North Island only
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	0.4916	0.4790	-0.4471	1.4304	1.0264	0.3047
item	psych	-3.2574	0.7277	-4.6837	-1.8311	-4.476	0.0000
item	rark	-2.9500	0.9061	-4.7258	-1.1741	-3.256	0.0011
item	schitz	-9.9320	1.1873	-12.2591	-7.6048	-8.365	0.0000
item	throw	-3.3944	0.7397	-4.8442	-1.9445	-4.589	0.0000
decile*item	growltot	-0.2751	0.0952	-0.4617	-0.0884	-2.888	**0.0039**
decile*item	psych	0.3571	0.1017	0.1578	0.5563	3.5126	**0.0004**
decile*item	rark	0.0149	0.1436	-0.2665	0.2964	0.1039	0.9172
decile*item	schitz	0.7147	0.1070	0.5050	0.9244	6.6804	0.0000
decile*item	throw	0.2872	0.1024	0.0865	0.4879	2.8044	**0.0050**
scale	0.9298	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile in South Island only
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-1.2577	2.1251	-5.4228	2.9074	-.5918	0.5540
item	psych	-0.4469	0.7586	-1.9337	1.0399	-.5891	0.5558
item	rark	-6.1187	0.9336	-7.9486	-4.2888	-6.554	0.0000
item	schitz	-1.6233	0.9898	-3.5633	0.3166	-1.640	0.1010
item	throw	-0.5301	0.7949	-2.0881	1.0279	-.6668	0.5049
decile*item	growltot	-0.3712	0.4564	-1.2657	0.5233	-.8133	0.4160
decile*item	psych	0.1410	0.1099	-0.0745	0.3565	1.2826	0.1996
decile*item	rark	0.2842	0.0776	0.1321	0.4362	3.6626	**0.0002**
decile*item	schitz	-0.0820	0.1454	-0.3671	0.2030	-.5640	0.5727
decile*item	throw	0.0095	0.1143	-0.2145	0.2335	0.0831	0.9338
scale	1.0158	.	.	.	.	.	

Root Alternatives for *Tell Off* by Decile and Urban/Rural, Model 2 (0 in Model 1)
Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-0.2701	0.5990	-1.4440	0.9039	-.4509	0.6521
item	psych	-1.9165	0.5405	-2.9759	-0.8571	-3.546	0.0004
item	rark	-4.4186	1.5673	-7.4904	-1.3468	-2.819	0.0048
item	schitz	-3.2382	1.1365	-5.4658	-1.0106	-2.849	0.0044
item	throw	-1.9734	0.5698	-3.0902	-0.8565	-3.463	0.0005
decile*item	growltot	-0.3234	0.0972	-0.5138	-0.1329	-3.327	**0.0009**
decile*item	psych	0.2780	0.0705	0.1398	0.4162	3.9432	**0.0001**
decile*item	rark	0.0534	0.1570	-0.2543	0.3611	0.3403	0.7336
decile*item	schitz	0.0913	0.1259	-0.1555	0.3382	0.7253	0.4682
decile*item	throw	0.1593	0.0719	0.0185	0.3002	2.2169	**0.0266**
item*u/r	growltot, 1	0.8118	0.5000	-0.1682	1.7919	1.6236	0.1045
item*u/r	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	psych, 1	-0.4847	0.3764	-1.2224	0.2531	-1.288	0.1979
item*u/r	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	rark, 1	1.3428	1.1579	-0.9266	3.6123	1.1597	0.2462
item*u/r	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	schitz, 1	-0.5909	0.8603	-2.2770	1.0953	-.6868	0.4922
item*u/r	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*u/r	throw, 1	-0.3185	0.4079	-1.1180	0.4811	-.7807	0.4350
item*u/r	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0034	.	.	.	.	.	

Root Alternatives for *Tell Off* by Main Region and Island, Model 2 (No sig. figs. in Model 1)

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-2.5649	1.0377	6.1090	0.0134
item	psych	1	0.5878	0.5578	1.1105	0.2920
item	rark	1	-26.3652	1.0118	678.9560	0.0001
item	schitz	1	-26.3652	0.4401	3588.7916	0.0001
item	throw	1	-0.2877	0.5401	0.2838	0.5943
item*region1	growltot, 1	1	-0.0615	1.5414	0.0016	0.9682
item*region1	growltot, 2	1	-1.1727	1.4494	0.6547	0.4185
item*region1	growltot, 3	0	0.0000	0.0000	.	.
item*region1	psych, 1	1	-1.5698	0.8203	3.6625	0.0556
item*region1	psych, 2	1	-0.1629	0.6391	0.0650	0.7988
item*region1	psych, 3	0	0.0000	0.0000	.	.
item*region1	rark, 1	1	23.5699	1.1394	427.9031	**0.0001**
item*region1	rark, 2	0	22.6275	0.0000	.	.
item*region1	rark, 3	0	0.0000	0.0000	.	.
item*region1	schitz, 1	1	46.8860	1.1007	1814.4522	**0.0001**
item*region1	schitz, 2	0	24.5461	0.0000	.	.
item*region1	schitz, 3	0	0.0000	0.0000	.	.
item*region1	throw, 1	1	-0.6617	0.8457	0.6121	0.4340
item*region1	throw, 2	1	-0.2356	0.6255	0.1418	0.7065
item*region1	throw, 3	0	0.0000	0.0000	.	.
item*island	growltot, 1	1	2.1621	1.1068	3.8163	0.0508
item*island	growltot, 2	0	0.0000	0.0000	.	.
item*island	psych, 1	1	-0.8303	0.4651	3.1871	0.0742
item*island	psych, 2	0	0.0000	0.0000	.	.
item*island	rark, 1	1	0.2113	1.4329	0.0217	0.8828
item*island	rark, 2	0	0.0000	0.0000	.	.
item*island	schitz, 1	0	-24.5461	0.0000	.	.
item*island	schitz, 2	0	0.0000	0.0000	.	.
item*island	throw, 1	1	-0.8630	0.5274	2.6783	0.1017
item*island	throw, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for growltot	1	4.9709	**0.0258**	LR
1 -2 for psych	1	7.8647	**0.0050**	LR
1 -2 for throw	1	0.5550	0.4563	LR

Root Alternatives for *Tell Off* by Main Region and Urban/Rural, Model 2 (No sig. figs. in Model 1)

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-3.3992	1.1285	9.0735	0.0026
item	psych	1	1.2314	0.6418	3.6813	0.0550
item	rark	1	-26.3848	1.1456	530.4869	0.0001
item	schitz	1	-25.0034	0.5457	2099.3216	0.0001
item	throw	1	0.0785	0.6153	0.0163	0.8984
item*region1	growltot, 1	1	2.2754	1.0833	4.4119	0.0357
item*region1	growltot, 2	1	0.4667	1.1189	0.1740	0.6766
item*region1	growltot, 3	0	0.0000	0.0000	.	.
item*region1	psych, 1	1	-2.5459	0.6954	13.4032	**0.0003**
item*region1	psych, 2	1	-0.8189	0.6212	1.7376	0.1874
item*region1	psych, 3	0	0.0000	0.0000	.	.
item*region1	rark, 1	1	22.8728	0.8908	659.3323	**0.0001**
item*region1	rark, 2	0	21.9324	0.0000	.	.
item*region1	rark, 3	0	0.0000	0.0000	.	.
item*region1	schitz, 1	1	21.2993	1.0977	376.5052	**0.0001**
item*region1	schitz, 2	0	22.8369	0.0000	.	.
item*region1	schitz,3	0	0.0000	0.0000	.	.
item*region1	throw, 1	1	-1.5699	0.6689	5.5088	**0.0189**
item*region1	throw, 2	1	-0.8076	0.6111	1.7468	0.1863
item*region1	throw, 3	0	0.0000	0.0000	.	.
item*urb_rur	growltot, 1	1	1.0493	0.4999	4.4069	**0.0358**
item*urb_rur	growltot, 2	0	0.0000	0.0000	.	.
item*urb_rur	psych, 1	1	-0.8658	0.3892	4.9481	**0.0261**
item*urb_rur	psych, 2	0	0.0000	0.0000	.	.
item*urb_rur	rark, 1	1	1.2798	1.1147	1.3181	0.2509
item*urb_rur	rark, 2	0	0.0000	0.0000	.	.
item*urb_rur	schitz, 1	1	-0.5396	0.7936	0.4623	0.4965
item*urb_rur	schitz, 2	0	0.0000	0.0000	.	.
item*urb_rur	throw, 1	1	-0.5168	0.4086	1.6002	0.2059
item*urb_rur	throw, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for growltot	1	15.7212	**0.0001**	LR
1 -2 for psych	1	17.0192	**0.0001**	LR

Root Alternatives for *Tell Off* by Island and Urban/Rural, Model 2 (no sig. figs in Model 1)

Analysis Of GEE Parameter Estimates – Empirical Standard Error Estimates
Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	growltot	-4.2495	0.8068	-5.8307	-2.6683	-5.267	0.0000
item	psych	1.0674	0.3995	0.2845	1.8503	2.6721	0.0075
item	rark	-5.0705	1.3195	-7.6567	-2.4843	-3.843	0.0001
item	schitz	-1.5241	0.5423	-2.5870	-0.4612	-2.811	0.0049
item	throw	-0.1155	0.3797	-0.8596	0.6286	-.3043	0.7609
item*island	growltot, 1	2.6399	0.7598	1.1506	4.1291	3.4743	**0.0005**
item*island	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	psych, 1	-1.7028	0.3951	-2.4771	-0.9284	-4.310	**0.0000**
item*island	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	rark, 1	1.2572	1.1121	-0.9225	3.4369	1.1304	0.2583
item*island	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	schitz, 1	-2.5500	1.0752	-4.6573	-0.4426	-2.372	**0.0177**
item*island	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	throw, 1	-1.2592	0.4109	-2.0647	-0.4538	-3.064	**0.0022**
item*island	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	growltot, 1	1.2853	0.4943	0.3165	2.2540	2.6002	**0.0093**
item*urb_rur	growltot, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	psych, 1	-1.0251	0.3934	-1.7962	-0.2541	-2.606	**0.0092**
item*urb_rur	psych, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	rark, 1	1.3997	1.1204	-0.7963	3.5956	1.2493	0.2116
item*urb_rur	rark, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	schitz, 1	-0.9796	0.7850	-2.5181	0.5590	-1.248	0.2121
item*urb_rur	schitz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	throw, 1	-0.6541	0.4112	-1.4601	0.1520	-1.590	0.1117
item*urb_rur	throw, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9630	.	.	.	.	.	

***Growl* forms by Catholic and Urban/Rural, Model 2 (no sig. figs in Model 1)**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	growltot	1	-26.6496	0.4113	4198.0670	0.0001
item*catholic	growltot, 1	0	24.9579	0.0000	.	.
item*catholic	growltot, 2	0	0.0000	0.0000	.	.
item*urb_rur	growltot, 1	1	0.7667	0.4795	2.5572	0.1098
item*urb_rur	growltot, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	