Expressing Disgust
Laurie and Winifred Bauer

Question 28 asked how the children would label something disgusting:

28 Trindy pulls an old packed lunch out of the bottom of her bag. Everything in it is squashed and mouldy. She shows it to you. What would you say?

While there were large numbers of one-off responses to this (including *One-way ticket to the pearly gates; Did the garbage man make your lunch? Where did the dog find that? Is it something the cat brought in?*), there was a great deal of consensus about the most appropriate responses to this situation. There were four very common answers: *gross* (89); *yuck* (83); *yum-my* [+sarcasm] (or a similar positive expression) (62); *disgusting* (60). These were all so common and widespread throughout the country that it was not worth mapping them. However, some of the remainder of the data was interesting.

There was a variety of terms for being about to vomit: *vomit, be sick, chuck, chunder, barf, puke*. Only *sick* was of any frequency, with 20 occurrences. Perhaps surprisingly, seventeen of these came from the North Island, with twelve from the Northern Region. It seems totally unlikely that this form is really less used in the south, so not much will be made of this. The others had between one and three occurrences, the only point of interest being that the two occurrences of the American *barf* both came from Auckland, where other Americanisms have been recorded.

The group with next highest frequencies contains the interesting terms: *skody* (17); *foul* (14); *munted* (10); *grotty* (9); *crusty* (9); *it smells* (9); *it stinks* (8); *revolting* (7). There was a curious swathe of the North Island where none of these were reported: from south of Auckland to the King Country, and across to the Bay of Plenty, Poverty Bay and northern Hawkes Bay there was only one occurrence of any of these. They were also absent from the West Coast of the South Island.

Skody is a Central Region term, with particularly high frequency in the North Island part of that region. There was one report from Auckland, from a school which usually shows mixed forms, and one from a rural school close to Auckland, but otherwise this term was reported only from the Southern edge of the volcanic plateau to north Canterbury. We have been told that the term is also used in Christchurch and Timaru, but there is some evidence that it has a different shade of meaning in that part of the country: rather than being 'disgusting', it is 'run down perhaps in a somewhat depressing way'. If this is true, it would explain why it was not elicited by this question from that part of the country. Further information was sought on the use of this term during school visits. In the Auckland sub-region, when *skody* was known, it was applied to people. Descriptions of suitable types of people to call *skody* included 'gay' (in the 'silly' sense, and not for homosexuals), 'loser', 'retard'. In the Central North Island, it was often not known, but where it was, it could be applied to people (now typified as 'rugged'). However, it was also applied to shoes with holes in one school. In Taranaki, it applied to people (now 'ugly, pimply, with dirty, messy hair'). In Hawkes Bay, when it was known, it could apply to dirty or untidy people, or to objects (e.g. a chewed end of pencil too small to hold), and was glossed as 'cruddy'. However, there were occasional reports of the 'mouldy, disgusting' sense. In the Wellington area, it was glossed 'gross, icky', as expected.

In Nelson, while it clearly had the 'disgusting' sense, it could also be applied to people. This was also true in the Central Lakes area. In Timaru, it was glossed as 'scabby, stingy', and is applied to people. In Christchurch, it was not widely known, and used for people who 'act bad and look weird'. In the northern area of Canterbury, it could also be used for people. This information suggests that it is true that *skody* means something different in the areas outside the area which reported it in this question.

Foul was found in Auckland (3), Wellington (2), Nelson (1), Canterbury (3) and Otago and Southland (5). Thus while it is not clearly regionalised, it has a higher-than-expected frequency in Southland-Otago.

Munted was reported 7 times from the Northern Region (as far south as Bay of Plenty) with one occurrence each in Wellington, Canterbury and Southland. This term was recorded with extremely high frequency in response to another question (about a damaged bike), so we know that it is known everywhere. The data from this question suggests that, like *skody*, it may not mean the same thing in all parts of the country. It seems possible that in the North, it has a more general sense than further south.

Grotty has a strange distribution. It was reported from Northland to North Canterbury, but all the North Island reports came from the west coast of the island, three from Northland, two from Taranaki, one from the Kapiti coast. There was one report from Nelson, and one from North Canterbury. It seems unlikely that there is any significance in this; it is probably a reflection of the low overall frequency.

Crusty was dotted from Northland to Southland, with no evidence of any patterning.

It smells was not reported from Northland, but was scattered across the rest of the country.

It stinks was reported only once south of Hawkes Bay, in Christchurch. It seems rather improbable that this form is not used throughout the country, but it was not reported elsewhere.

Revolting was dotted throughout.

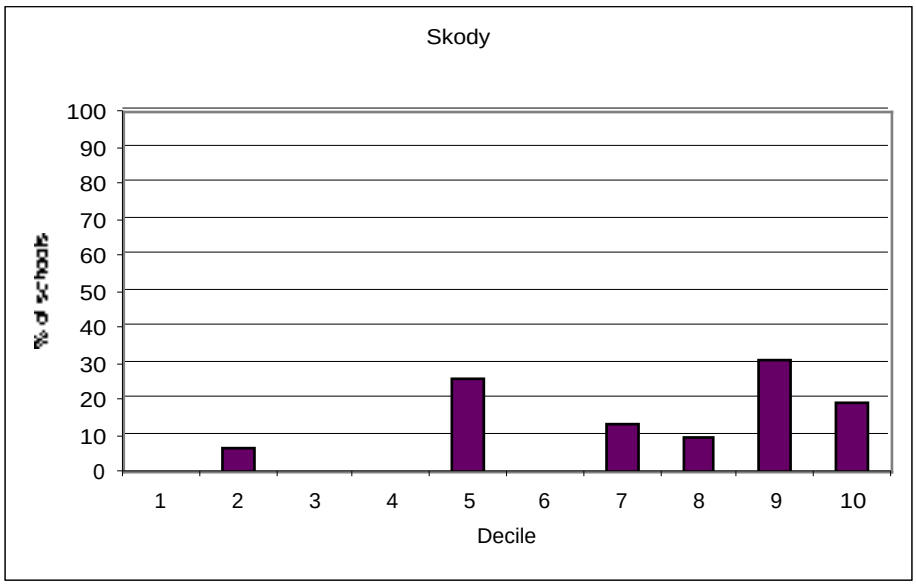
There were a large number of forms which occurred just two or three times. Most of these were entirely randomly distributed, but there were four whose distribution is perhaps worth recording: *scummy* was reported from Taranaki (1) and Wellington (2); *shame* was reported from Auckland (3), Taranaki (1) and Wellington (1); *sickening* was reported twice, both from Wellington; *scabby* was reported once each from Christchurch, Timaru and Central Otago. While these figures are so low that they do not mean a great deal, they may contribute to the overall picture.

Statistical Analysis

It was difficult to decide what terms, if any, from this question were worth statistical analysis. In the end, *skody* and *munted* were analysed statistically.

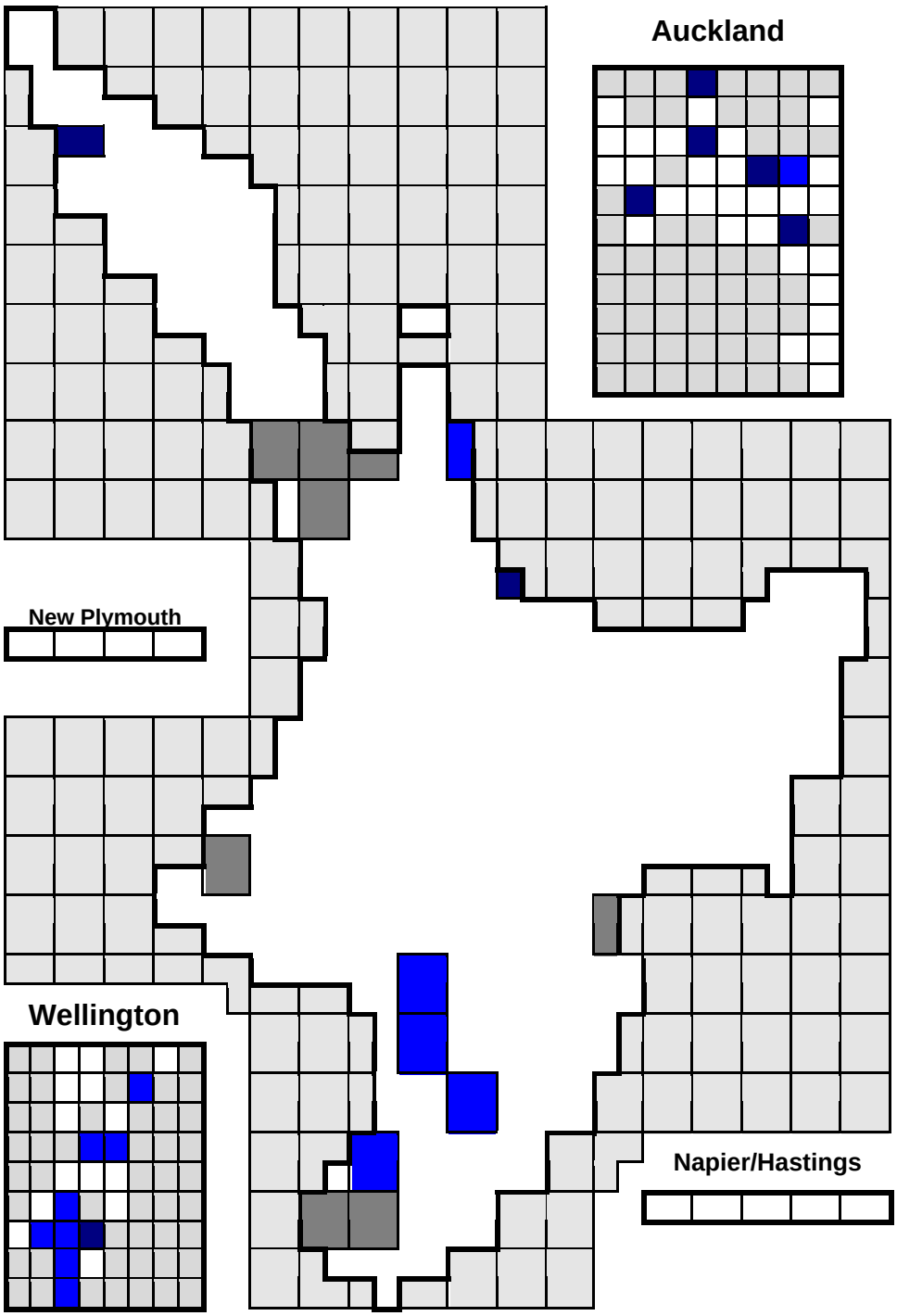
Skody was high decile (p-value 0.0178). Because *skody* is not reported from the Southern Region, the program returned the result that it is more common in the Northern Region than the Southern Region (p-value 0.0001) (but not the equally obvious fact that it is more common in the Central Region than the Southern Region, too). It was not possible to get a contrast statement comparing Northern and Central Regions, either, so the Southern Region was deleted to get the comparison. This yielded the result that *skody* is more common in the Central

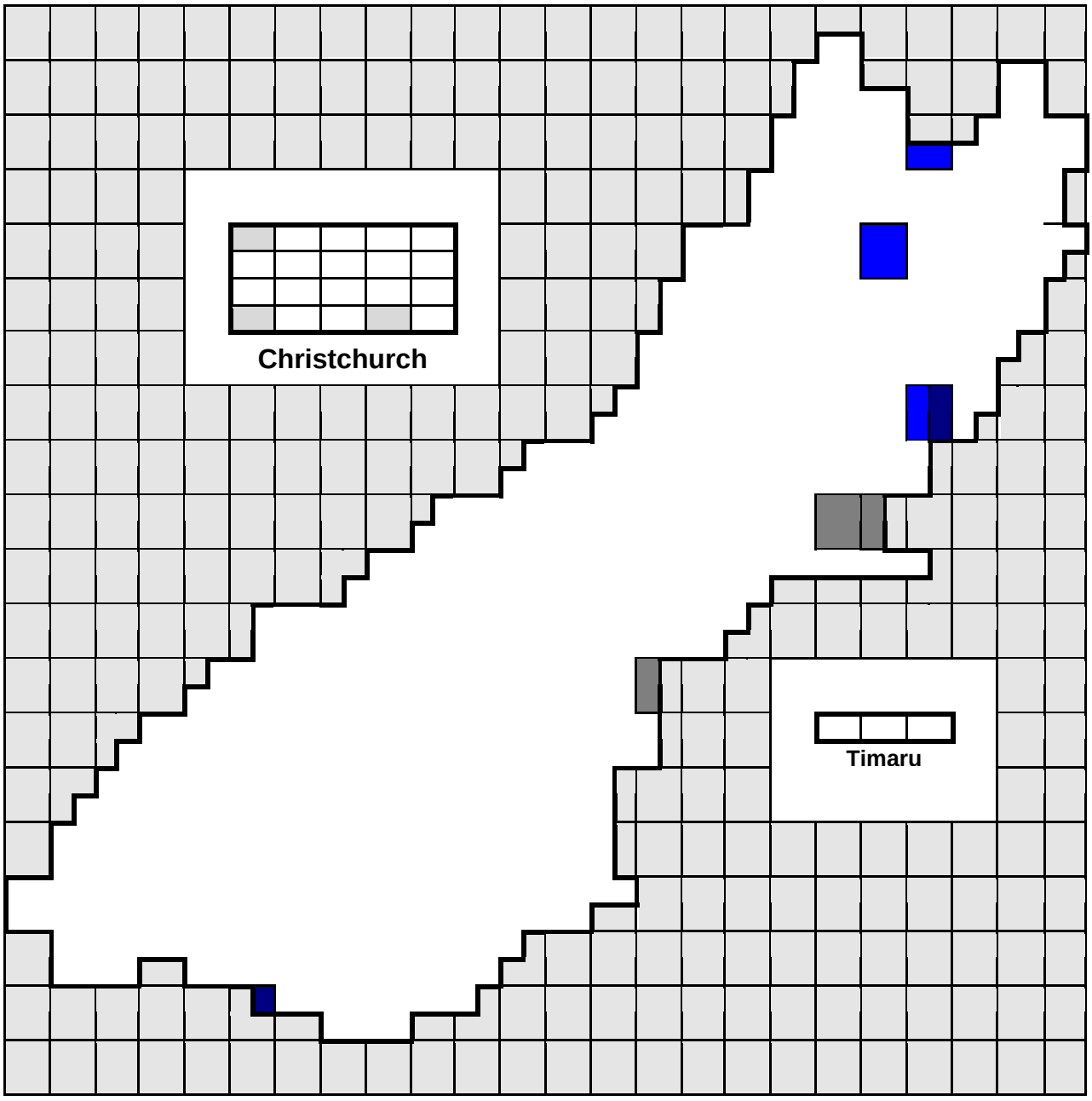
Region than the Northern Region (p-value 0.0153). In terms of Sub-regions, the statistics showed that *skody* is commoner in Ak, Wgtn and N-M than in S-O.
Skody is also significantly urban rather than rural (p-value 0.0384).
When the interaction between Main Region and Decile was investigated, it revealed that for *skody*, when the Northern Region is contrasted with either the Southern Region (p-value 0.0001 when Decile variation is taken into account) or with the Central Region (p-value 0.0153 when Decile variation is taken into account - comparison obtained by a contrast statement), the Main Region factor is considerably stronger than Decile (p-value 0.0982 when Main Region variation is taken into account). When only the relevant sub-regions are included, *skody* is not significantly correlated with decile, so the high decile correlation is largely a result of the sub-regions in which it is found.
When the interaction between Decile and Urban/Rural was investigated, it was shown that Decile has a stronger influence than Urban/rural distribution on *skody*: the p-value of Decile variation when urban/rural distribution is taken into account is 0.0366, while the p-value for Urban/Rural variation when Decile distribution is taken into account is 0.1106, i.e. not significant.
When the interaction between Main Region and the Urban/Rural factor was investigated in relation to *skody*, the program revealed that Main Region is the stronger factor. When the Northern and Southern Regions are compared, the p-value is 0.0001 when urban/rural variation is taken into account; for the Northern and Central comparison the p-value is 0.0040 (obtained from a contrast statement).The p-value for urban-rural variation when Main Region variation is taken into account is 0.0761, i.e. not significant.
Skody is high decile, Central, and urban. The Main Region factor is the strongest, followed by Decile, followed by Urban/Rural.



A contrast statement revealed that *munted* is more common in the Northern Region than the Central Region (p-value 0.0244). It is not influenced by other factors. These two forms are included in the map that follows.

Map: A mouldy lunch: *skody* or *munted*





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.

skody

munted

See urban map insert

Q28 Statistics: *Skody* and *Munted*

***Skody* and *Munted* 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	munted	-3.2756	0.9803	-5.1969	-1.3542	-3.341	0.0008
item	skody	-3.5763	0.7468	-5.0399	-2.1126	-4.789	0.0000
decile*item	munted	0.1043	0.1429	-0.1757	0.3843	0.7299	0.4655
decile*item	skody	0.2360	0.0996	0.0408	0.4313	2.3693	**0.0178**
scale	0.9966	.	.	.	.	.	

***Skody* and *Munted* by Main Region**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	munted	1	-2.5649	1.0377	6.1090	0.0134
item	skody	1	-25.3654	0.2873	7795.0578	0.0001
item*region1	munted, 1	1	0.5988	1.1135	0.2892	0.5907
item*region1	munted, 2	1	-1.0726	1.2610	0.7236	0.3950
item*region1	munted, 3	0	0.0000	0.0000	.	.
item*region1	skody, 1	1	22.0512	0.7751	809.4506	**0.0001**
item*region1	skody, 2	0	23.9303	0.0000	.	.
item*region1	skody, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for munted	1	5.0658	**0.0244**	LR

***Skody* and *Munted* by Sub-Region**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	munted	1	-2.5649	1.0377	6.1090	0.0134
item	skody	1	-27.3649	1.0290	707.2370	0.0001
item*region2	munted, 1	1	0.9555	1.5089	0.4010	0.5266
item*region2	munted, 2	1	-24.8004	357461.063	0.0000	0.9999
item*region2	munted, 3	1	1.5353	1.1612	1.7482	0.1861
item*region2	munted, 4	1	-0.6539	1.4550	0.2020	0.6531
item*region2	munted, 5	1	-24.8004	252763.142	0.0000	0.9999
item*region2	munted, 6	1	-0.4796	1.4576	0.1083	0.7421
item*region2	munted, 7	1	-24.8004	291865.736	0.0000	0.9999
item*region2	munted, 8	1	-24.8004	357461.063	0.0000	0.9999
item*region2	munted, 9	1	-0.2683	1.4614	0.0337	0.8544
item*region2	munted, 10	1	-24.8004	276888.149	0.0000	0.9999
item*region2	munted, 11	0	0.0000	0.0000	.	.
item*region2	skody, 1	1	-0.0004	357461.063	0.0000	1.0000
item*region2	skody, 2	1	-0.0004	357461.063	0.0000	1.0000
item*region2	skody, 3	1	25.2249	1.2719	393.3451	**0.0001**
item*region2	skody, 4	1	-0.0004	171718.740	0.0000	1.0000
item*region2	skody, 5	1	-0.0004	252763.142	0.0000	1.0000
item*region2	skody, 6	1	27.5472	1.1145	610.9139	**0.0001**
item*region2	skody, 7	1	26.1122	1.3045	400.6892	**0.0001**
item*region2	skody, 8	1	-0.0004	357461.063	0.0000	1.0000
item*region2	skody, 9	0	24.5317	0.0000	.	.
item*region2	skody, 10	1	-0.0004	276888.149	0.0000	1.0000
item*region2	skody, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

***Skody* and *Munted* 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	munted	-3.3142	0.7198	-4.7251	-1.9033	-4.604	0.0000
item	skody	-2.8904	0.5932	-4.0530	-1.7278	-4.873	0.0000
item*island	munted, 1	0.9510	0.8093	-0.6352	2.5372	1.1751	0.2400
item*island	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	skody, 1	1.1600	0.6603	-0.1341	2.4541	1.7569	0.0789
item*island	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* by Catholic**

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	munted	-1.9459	0.7559	-3.4275	-0.4643	-2.574	0.0100
item	skody	-1.0986	0.5774	-2.2302	0.0330	-1.903	0.0571
item*catholic	munted, 1	-0.9285	0.8499	-2.5943	0.7373	-1.092	0.2746
item*catholic	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*catholic	skody, 1	-1.1071	0.6471	-2.3754	0.1612	-1.711	0.0871
item*catholic	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* 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	munted	-2.1785	0.4307	-3.0228	-1.3343	-5.058	0.0000
item	skody	-1.4733	0.3343	-2.1285	-0.8181	-4.407	0.0000
item*urb_rur	munted, 1	-0.8419	0.6691	-2.1534	0.4696	-1.258	0.2083
item*urb_rur	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	skody, 1	-1.1170	0.5394	-2.1741	-0.0598	-2.071	**0.0384**
item*urb_rur	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* 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	munted2	-3.6376	0.7164	-5.0416	-2.2336	-5.078	0.0000
item	skody28	-1.4351	0.2873	-1.9982	-0.8720	-4.995	0.0000
item*region1	munted, 1	1.6715	0.8222	0.0600	3.2830	2.0329	**0.0421**
item*region1	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*region1	skody, 1	-1.8791	0.7751	-3.3982	-0.3600	-2.424	**0.0153**
item*region1	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* by Main Region and Decile, 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	munted2	1	-3.7829	1.3910	7.3963	0.0065
item	skody28	1	-26.5167	0.8479	978.0792	0.0001
decile*item	munted	1	0.1904	0.1317	2.0901	0.1483
decile*item	skody	1	0.1834	0.1109	2.7345	0.0982
item*region1	munted, 1	1	0.7823	1.1315	0.4780	0.4893
item*region1	munted, 2	1	-1.1912	1.2714	0.8778	0.3488
item*region1	munted, 3	0	0.0000	0.0000	.	.
item*region1	skody, 1	1	22.1873	0.7880	792.8069	**0.0001**
item*region1	skody, 2	0	23.8317	0.0000	.	.
item*region1	skody, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for munted	1	6.5794	**0.0103**	LR
1 -2 for skody	1	5.8764	**0.0153**	LR

***Skody* and *Munted* by Decile and Urban/Rural, Model 2 (no sig. figs 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	munted2	-2.6985	1.0088	-4.6757	-0.7213	-2.675	0.0075
item	skody28	-2.8756	0.7959	-4.4355	-1.3157	-3.613	0.0003
decile*item	munted	0.0780	0.1371	-0.1908	0.3468	0.5685	0.5697
decile*item	skody	0.2023	0.0967	0.0127	0.3919	2.0908	**0.0366**
item*urb_rur	munted, 1	-0.7491	0.6668	-2.0560	0.5577	-1.124	0.2612
item*urb_rur	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	skody, 1	-0.8918	0.5589	-1.9873	0.2037	-1.596	0.1106
item*urb_rur	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	0.9938	.	.	.	.	.	

***Skody* and *Munted* by Main Region and Urban/Rural, Model 1**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	munted2	1	-26.3652	1.7796	219.4856	0.0001
item	skody28	1	-26.3650	0.3764	4906.6836	0.0001
item*urb_rur	munted, 1	1	24.1680	1.4339	284.0983	**0.0001**
item*urb_rur	munted, 2	0	0.0000	0.0000	.	.
item*urb_rur	skody, 1	1	-0.0004	0.6085	0.0000	0.9995
item*urb_rur	skody, 2	0	0.0000	0.0000	.	.
item*region1	munted, 1	1	25.2020	1.8519	185.1967	**0.0001**
item*region1	munted, 2	1	22.8687	1.4618	244.7529	**0.0001**
item*region1	munted, 3	0	0.0000	0.0000	.	.
item*region1	skody, 1	1	23.3693	1.0916	458.2850	**0.0001**
item*region1	skody, 2	0	25.4895	0.0000	.	.
item*region1	skody, 3	0	0.0000	0.0000	.	.
item*reg1*urb_rur	munted 1, 1	1	-25.8082	1.6878	233.8086	**0.0001**
item*reg1*urb_rur	munted 1, 2	0	0.0000	0.0000	.	.
item*reg1*urb_rur	munted 2, 1	0	-24.3350	0.0000	.	.
item*reg1*urb_rur	munted 2, 2	0	0.0000	0.0000	.	.
item*reg1*urb_rur	munted 3, 1	0	0.0000	0.0000	.	.
item*reg1*urb_rur	munted 3, 2	0	0.0000	0.0000	.	.
item*reg1*urb_rur	skody 1, 1	1	-0.5303	1.5651	0.1148	0.7348
item*reg1*urb_rur	skody 1, 2	0	0.0000	0.0000	.	.
item*reg1*urb_rur	skody 2, 1	0	-1.0701	0.0000	.	.
item*reg1*urb_rur	skody 2, 2	0	0.0000	0.0000	.	.
item*reg1*urb_rur	skody 3, 1	0	0.0000	0.0000	.	.
item*reg1*urb_rur	skody 3, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

***Skody* and *Munted* by Urban/Rural in Northern 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	munted2	-1.1632	0.5123	-2.1673	-0.1590	-2.270	0.0232
item	skody28	-2.9957	1.0247	-5.0041	-0.9874	-2.924	0.0035
item*urb_rur	munted, 1	-1.6402	0.8904	-3.3854	0.1049	-1.842	0.0655
item*urb_rur	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	skody, 1	-0.5306	1.4420	-3.3569	2.2957	-.3680	0.7129
item*urb_rur	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* by Urban/Rural in Central Region**

Analysis Of GEE Parameter Estimates – Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	munted2	-3.4965	1.0150	-5.4859	-1.5071	-3.445	0.0006
item	skody28	-0.8755	0.3764	-1.6132	-0.1378	-2.326	0.0200
item*urb_rur	munted, 1	-0.1671	1.4339	-2.9774	2.6433	-.1165	0.9073
item*urb_rur	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	skody, 1	-1.0704	0.6085	-2.2630	0.1221	-1.759	0.0785
item*urb_rur	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* 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	munted2	1	-29.3653	1.0541	776.0863	0.0001
item	skody28	1	-29.3653	1190059.99	0.0000	1.0000
item*urb_rur	munted, 1	0	27.1680	0.0000	.	.
item*urb_rur	munted, 2	0	0.0000	0.0000	.	.
item*urb_rur	skody, 1	1	0.0000	1408097.97	0.0000	1.0000
item*urb_rur	skody, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

***Skody* and *Munted* by Main Region and Urban/Rural, Model 2**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	munted2	1	-1.9459	1.1064	3.0935	0.0786
item	skody28	1	-24.7375	0.3680	4518.8761	0.0001
item*urb_rur	munted.1	1	-0.9985	0.6877	2.1083	0.1465
item*urb_rur	munted.2	0	0.0000	0.0000	.	.
item*urb_rur	skody.1	1	-0.9905	0.5584	3.1462	0.0761
item*urb_rur	skody.2	0	0.0000	0.0000	.	.
item*region1	munted.1	1	0.5344	1.1254	0.2254	0.6349
item*region1	munted.2	1	-1.2138	1.2780	0.9021	0.3422
item*region1	munted.3	0	0.0000	0.0000	.	.
item*region1	skody.1	1	21.9497	0.7810	789.8570	**0.0001**
item*region1	skody.2	0	23.8309	0.0000	.	.
item*region1	skody.3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for munted	1	5.4131	**0.0200**	LR
1 -2 for skody	1	8.2831	**0.0040**	LR

***Skody* and *Munted* by Urban/Rural in Northern and Central Regions 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	munted2	-2.1001	0.4325	-2.9478	-1.2523	-4.855	0.0000
item	skody28	-1.3863	0.3371	-2.0470	-0.7256	-4.112	0.0000
item*urb_rur	munted, 1	-1.0780	0.7310	-2.5106	0.3547	-1.475	0.1403
item*urb_rur	munted, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	skody, 1	-1.0561	0.5430	-2.1202	0.0081	-1.945	0.0518
item*urb_rur	skody, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Skody* and *Munted* by Decile in Northern and Central Regions 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	munted2	-3.7942	1.1435	-6.0353	-1.5531	-3.318	0.0009
item	skody28	-3.4722	0.7554	-4.9528	-1.9917	-4.597	0.0000
decile*item	munted	0.1814	0.1568	-0.1260	0.4887	1.1565	0.2475
decile*item	skody	0.2383	0.1009	0.0405	0.4361	2.3611	**0.0182**
scale	1.0034	.	.	.	.	.	

***Skody* and *Munted* by Sub-Region and Urban/Rural, Model 2, S-R's 3, 6, 7, 9 only**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	munted2	1	-2.6269	1.0776	5.9427	0.0148
item	skody28	1	-2.9534	1.0939	7.2898	0.0069
item*urb_rur	munted, 1	1	-0.4746	1.1772	0.1626	0.6868
item*urb_rur	munted, 2	0	0.0000	0.0000	.	.
item*urb_rur	skody, 1	1	0.4522	0.8084	0.3128	0.5759
item*urb_rur	skody, 2	0	0.0000	0.0000	.	.
item*region2	munted, 3	1	1.6649	1.1677	2.0328	0.1539
item*region2	munted, 6	1	-0.2731	1.4592	0.0350	0.8515
item*region2	munted, 7	1	-22.3257	107185.508	0.0000	0.9998
item*region2	munted, 9	0	0.0000	0.0000	.	.
item*region2	skody, 3	1	0.7306	1.2897	0.3209	0.5711
item*region2	skody, 6	1	3.1367	1.1380	7.5979	**0.0058**
item*region2	skody, 7	1	1.2931	1.3609	0.9029	0.3420
item*region2	skody, 9	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

