Expressing pleasure and approval
Laurie and Winifred Bauer

Question 24 asked how students would express pleasure and/or approval. The question was:

24 Your best friend tells you that they are having a party. This is very good news. How would you tell them you are really pleased?

The answers were many and varied. After a process of grouping related forms (e.g. *shot* and *shotty*, *rad* and *radical*, *legendary*, *legend* and *ledge*, *cool*, *cool as*, *coolios*), and eliminating items occurring only once, an enormous amount of data remained. There were a number of "noises", e.g. *Yay*, *Wahoo*, and it was decided to treat these as a group. The remaining terms were divided into high and low frequency terms. In most cases, the number of forms of adjective + *as* was small in comparison with the adjective alone, but in the case of *sweet*, both were frequent. They were treated as a single item in mapping high frequency terms, for the sake of consistency, but they were also mapped against each other separately, in case there were regional tendencies in their distribution; however, there did not appear to be any regional tendencies determining the distribution of these relative to each other.

Highest frequency terms

The terms mapped here were: *cool (124), awesome (69), wicked (31), sweet (76), shot(ty) (19), great (12), choice (34), primo (12), good on ya (10), rad(ical) (11).*

Cool was so high in frequency that it seemed more productive to map its absence, rather than its presence. There was a cluster of absences in the centre of the North Island, in the Bay of Plenty and Waikato, but there were also sporadic absences elsewhere. There was no pattern to the distribution of schools which reported only *cool* of these high frequency terms.

Sweet was next most frequent, and there does not appear to be any clear pattern of distribution.

Awesome appears to be fairly unpatterned as well.

Choice is largely found in central areas of NZ, from the Waikato down to north Canterbury, although there are several reports outside this area.

Wicked is uncommon in the north of the North Island, though found sporadically through the lower North Island. It has a patch of popularity in the northern areas of the South Island, especially the West Coast.

Shot(ty) is strongly restricted to the northern area of the country, including Taranaki and northern Hawkes Bay, with only one occurrence outside that area.

Great has no obvious patterning.

Primo is found largely in the central area of the country, from Hawkes Bay to Canterbury, but there are three reports outside this area.

	Northern Region		**Central Region**		**Southern Region**	
	No.	% of total	No.	% of total	No.	% of total
Schools	57	38	78	52	14	9
Primo	3	25	9	75	0	0

Good on ya is found only twice outside the South Island, but is found from North Canterbury to Southland.

Radical is not obviously patterned.

Low Frequency Terms

There were a large number of low frequency terms. Those plotted (with number of occurrences in brackets) were as follows:

Che (bro) (8): This term was reported only in the northern area of the North Island, as far south as Taranaki and Hawkes Bay. The spelling is uncertain.

Excellent (4): All four occurrences were in central areas of New Zealand, on both sides of Cook Strait, from Wellington to south Canterbury.

Groovy (9): These were dotted throughout the country from Auckland to Central Otago.

Kickarse/butt (5): There were no reports of this from the northern areas of the country. They were reported from Wellington to Central Otago.

Mint (3): Two occurrences were in Northland, and one in north Canterbury.

Beast (3): Two occurrences were in Otago, and one in Taranaki.

Ruley (including *it rules, you rule*) (7): these were scattered from the Bay of Plenty to Southland.

Da bomb (5): These were dotted from Auckland to mid Canterbury.

Seig (2): both occurrences were in Hawkes Bay.

Yes! (4): these were scattered from Northland to central Otago.

Too much (4): The occurrences were all in a narrow band across the centre of the North Island, from the King Country to Hawkes Bay and Poverty Bay.

Legend (5): These were dotted from Auckland to South Otago.

I'm happy (6): These were found from Auckland to Southland.

That's good (4): scattered from Auckland to north Canterbury.

Gnarly (3): two occurrences were in Auckland, and one in Southland. Given the imports into Southland on account of the aluminium smelter, it is possible that this is essentially an Auckland form.

I'm stoked (3): two reports were from the West Coast, and one from an area of Auckland with a large number of "life-style" newcomers. This may be essentially a West Coast form.

That's exciting/I'm excited (5): scattered from Northland to south Canterbury.

Cheers (3): all three reports of this came from Southland.

That rocks (4): scattered from Auckland to central Otago.

It will thus be seen that there are a few local clusters of these infrequent terms. The numbers of reports are too low to draw any firm conclusions on the basis of these terms alone, but they may nevertheless provide some back-up support for the hypothesis that there are three main dialect regions, with Auckland, Hawkes Bay, and the West Coast possibly being subsidiary regions within those broad areas.

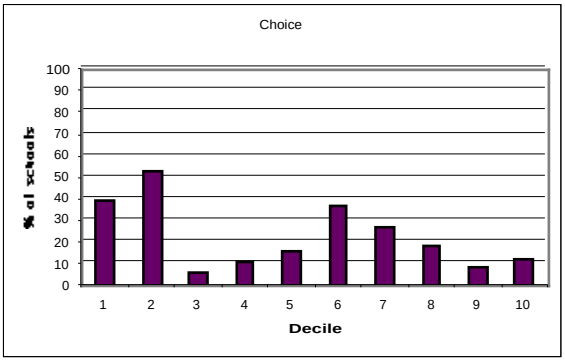
Exclamations

There were only six exclamations that occurred more than once, although there were many more reported just once. None of them were high frequency responses. Those with two or more reports were: *Yeah* (15), *(Oh) Yay* (4), *Wa-hoo* (3), *Oosh* (2), *Yippee* (2), *Wow* (2). None of these were regionally distributed: the occurrences of *Yeah* ranged from Northland to Central Otago, and the others were dotted around the country.

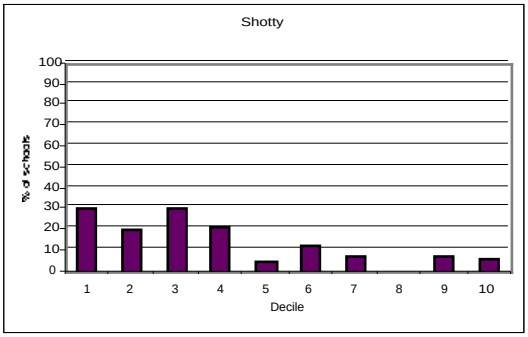
Statistical Analysis

The following terms were investigated statistically: *che (bro), cheers, choice, good on ya, primo, shot(ty), stoked, too much, wicked.* Note, however, that four of these are

very low frequency forms, and results for these are not reliable: *che, cheers, stoked, too much*. They were included more for their likely contribution to the establishment of regions than for themselves.
Che (bro) was absent from the Southern Region, but did not otherwise correlate with any other factors considered.
Cheers is low decile (p-value 0.0011). It was reported exclusively from the Southern Region and therefore it is also found only in the South Island. Because *cheers* is exclusively Southern Region, this factor is necessarily stronger than Decile, and because *cheers* is exclusively South Island, the Island effect is necessarily stronger than the Decile effect. Since the Main Region distribution entirely accounts for the Island distribution, the Main Region factor is the most important for this form.
Choice is just low decile (p-value 0.0415), but was not significantly regionalised.



Good on ya is just significantly less common in the Northern Region than the Southern Region (p-value 0.0379), but the contrasts between Central and Southern and Northern and Central were not significant. It is just more common in the South Island (p-value 0.0439). When the Island and Main Region effects were considered, none of the Main Region contrasts was significant when Island was taken into account, and neither was Island significant when Main Region distribution was taken into account. These two factors are thus about equal in importance.
Primo was absent from the Southern Region. Perhaps surprisingly, the Northern and Central Regions are not significantly different in their use of *primo*. It did not show any other significant correlations with the factors we considered.
Shot(ty) is low decile (p-value 0.0052). It was absent from the Southern Region.



This absence resulted in a failure of the program to provide a contrast statement, so it was necessary to delete the Southern Region to obtain the comparison between the Northern and Central Regions. When this was done, *shotty* was significantly more common in the Northern Region than the Central Region (p-value 0.0003). *Shotty* was shown to correlate significantly with the North Island (p-value 0.0127).

To investigate the interaction between the Decile and Main Region factors for *shotty*, it was necessary to eliminate the Southern Region. This calculation showed that the Main Region effect is stronger than the Decile effect: the p-value for Decile when Main Region is taken into account is 0.0378, while the p-value for the Northern – Central contrast is 0.0012.

The interaction between Island and Decile was also considered. For *shotty* the Decile effect is roughly equal to the Island effect: the p-value for Decile variation when Island is taken into account is 0.0205, while the p-value for Island variation when Decile is taken into account is 0.0265. This means that both are significant factors in the distribution of *shotty*.

Lastly, the Main Region and Island effects were considered. For *shotty*, the Main Region effect is stronger than the Island effect. When the Northern and Southern Regions are compared, the p-value for Main Region variation when Island is taken into account is 0.0001, and the p-value for Island variation when Main Region variation is taken into account does not even approach significance.

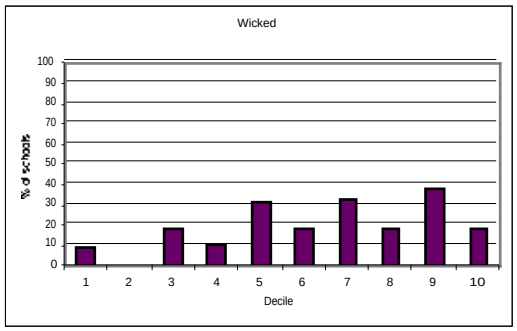
When the Northern and Central Regions are compared by eliminating the Southern Region, the p-value for Main Region variation is 0.0114, and again, the Island variation does not approach significance.

Thus overall, the most important factor in accounting for the distribution of *shotty* is Main Region: it is a Northern form. Decile and Island are roughly equal.

Stoked is low decile (p-value 0.0000 derived from a non-zero figure). It was absent from the Southern Region.

Too much was absent from the Southern Region, but otherwise did not show any significant correlations with the factors we considered.

Wicked is just high decile (p-value 0.0435). It was more common in the South Island than the North (p-value 0.0328). For *wicked*, the Island effect is probably stronger than the Decile effect, although neither p-value is significant when the other factor is taken into account, which means that to a large extent these two factors can explain each other.



Comments on School Visits

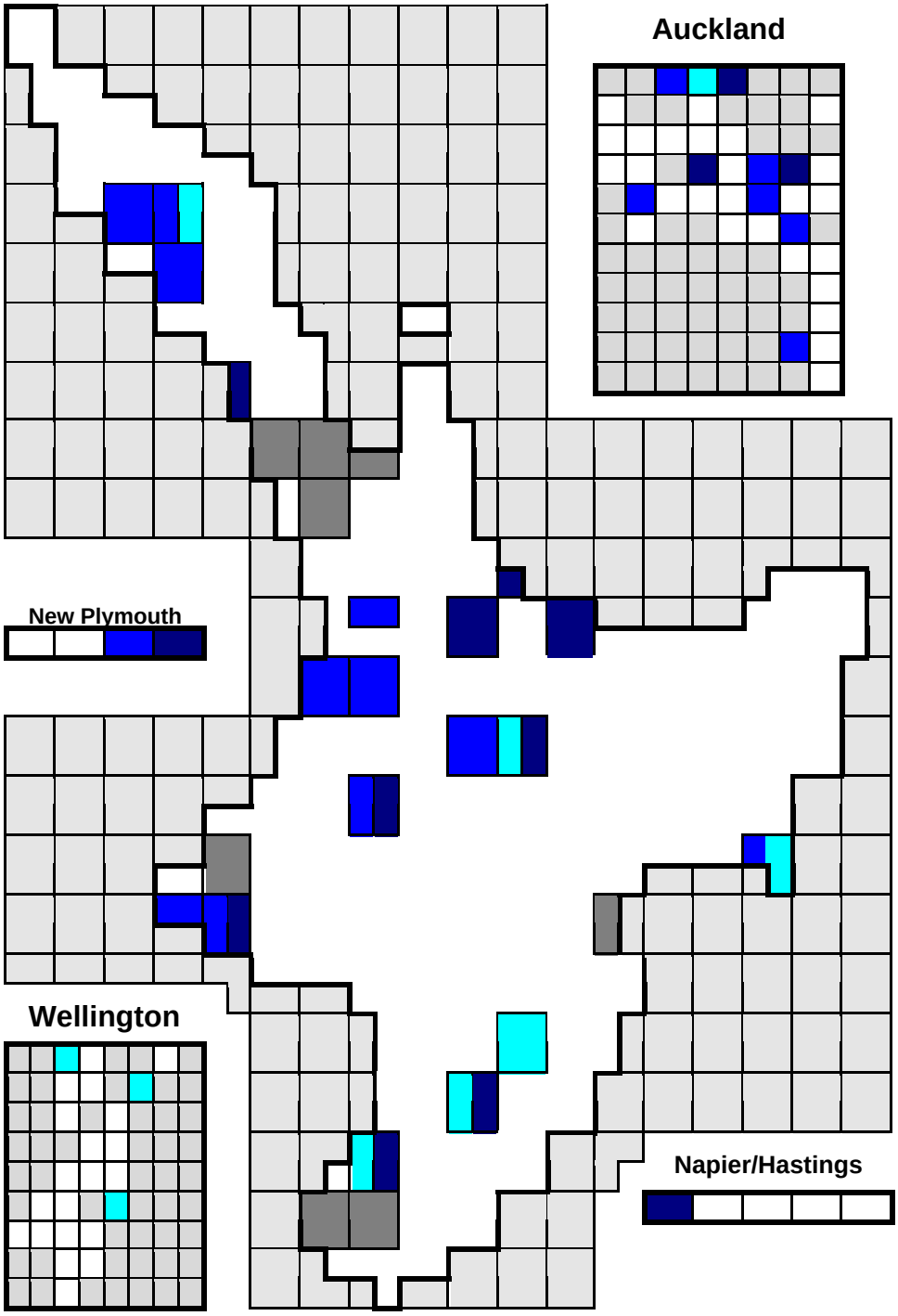
During school visits, children were asked what the current words were to express approval of something. This was in part to get some idea of the rapidity of change in this area. It certainly appeared that *mean* had risen in popularity in the northernmost area of the country, and a few terms unreported in the questionnaire were elicited, including *phat*. However, to a large extent, the responses confirmed the picture obtained in the original questionnaire. *Mint*, although found in a few schools outside Northland was found very consistently in Northland schools. *Shot(ty)* was reported in a few additional schools in the Northern Region, but not elsewhere. *Cool* still reigns supreme.

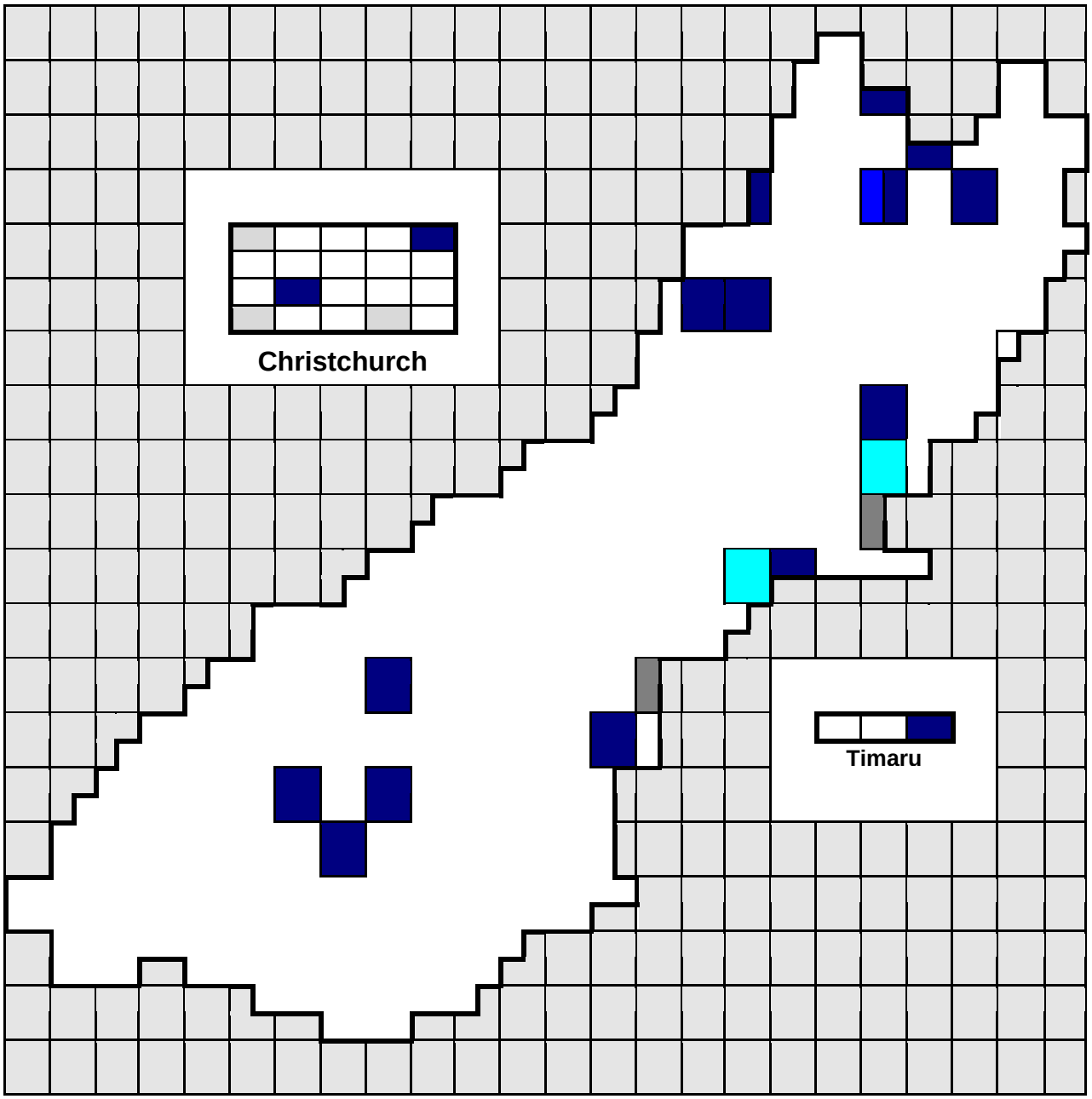
Summary

Although these forms were not particularly strongly patterned, they nevertheless provide further support for some of the basic divisions established elsewhere. In particular, *shotty* provides strong support for the distinctness of the Northern Region. Again, it can be seen that social factors are also important alongside regional factors.

The maps show the distribution of the most significant of these terms.

Map 1: *Shotty. primo, wicked*





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.

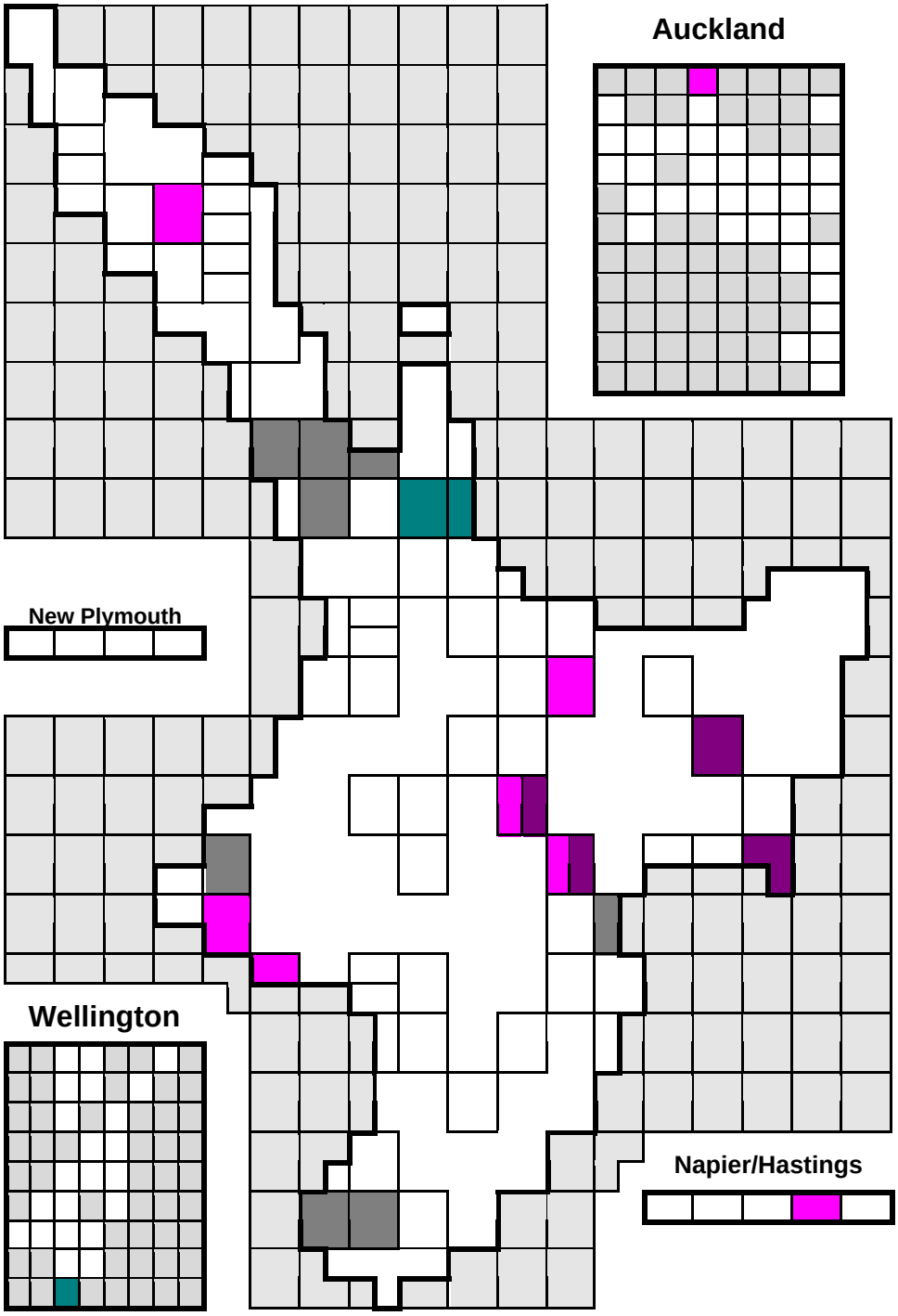
Shot(ty)

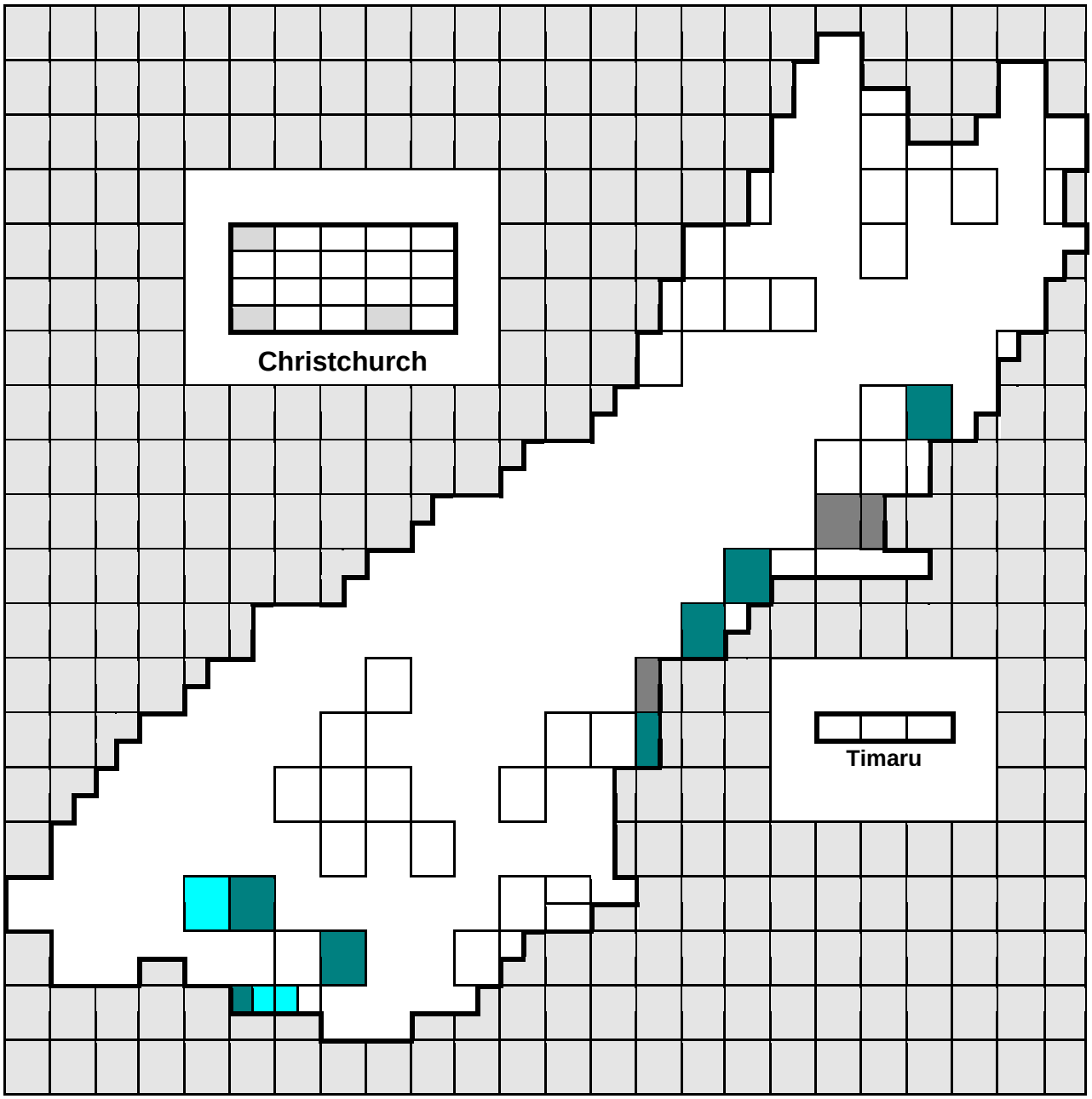
Primo

See urban map insert

Wicked

Map 2: *Che, cheers, good on ya, too much*





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.

- Che
- Too much
- Cheers
- See urban map insert
- Good on ya

Q24 Statistics: Party responses

Party responses 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	che_bro	-1.8612	0.7975	-3.4243	-0.2981	-2.334	0.0196
item	cheers	-0.4302	0.9110	-2.2158	1.3554	-.4722	0.6368
item	choice	-0.4252	0.4186	-1.2457	0.3953	-1.016	0.3098
item	gdonya	-2.5807	0.6329	-3.8212	-1.3402	-4.077	0.0000
item	primo	-2.7071	0.7310	-4.1398	-1.2744	-3.703	0.0002
item	shotty	-0.4733	0.5080	-1.4689	0.5222	-.9319	0.3514
item	stoked	-2.4447	0.6438	-3.7064	-1.1829	-3.798	0.0001
item	too_mch	-2.8600	0.9287	-4.6803	-1.0398	-3.080	0.0021
item	wicked	-2.1868	0.4783	-3.1243	-1.2493	-4.572	0.0000
decile*item	che_bro	-0.1985	0.1621	-0.5162	0.1192	-1.224	0.2208
decile*item	cheers	-1.1513	0.3525	-1.8422	-0.4604	-3.266	**0.0011**
decile*item	choice	-0.1465	0.0718	-0.2873	-0.0056	-2.039	**0.0415**
decile*item	gdonya	-0.0096	0.0949	-0.1955	0.1764	-.1010	0.9196
decile*item	primo	0.0453	0.1095	-0.1693	0.2599	0.4137	0.6791
decile*item	shotty	-0.2937	0.1051	-0.4997	-0.0876	-2.793	**0.0052**
decile*item	stoked	-0.3080	0.0624	-0.4303	-0.1856	-4.932	0.0000
decile*item	too_mch	-0.1390	0.1640	-0.4605	0.1825	-.8475	0.3967
decile*item	wicked	0.1388	0.0688	0.0041	0.2736	2.0190	**0.0435**
scale	0.9458	.	.	.	.	.	

CONTRAST Statement Results for table on next page

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for cheers	1	0.0000	1.0000	LR
1 -2 for choice	1	0.5508	0.4580	LR
1 -2 for goodonya	1	0.5880	0.4432	LR
1 -2 for wicked	1	0.2810	0.5961	LR

Contrast statements obtained by processing one item at a time

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for che_bro	1	2.5751	0.1086	LR
1 -2 for too_much	1	0.1010	0.7506	LR
1 -2 for stoked	1	0.1018	0.7496	LR
1 -2 for primo	1	1.6933	0.1932	LR

Party responses by Main Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-26.3653	0.7164	1354.6156	0.0001
item	cheers	1	-1.2993	0.6513	3.9792	0.0461
item	choice	1	-0.9163	0.5916	2.3988	0.1214
item	gdonya	1	-1.2993	0.6513	3.9792	0.0461
item	primo	1	-26.3651	0.3544	5534.2135	0.0001
item	shotty	1	-26.3646	0.7164	1354.5343	0.0001
item	stoked	1	-26.3653	0.7164	1354.6108	0.0001
item	too_mch	1	-26.3653	0.7164	1354.6126	0.0001
item	wicked	1	-1.7918	0.7638	5.5035	0.0190
item*region1	che_bro, 1	1	24.0235	0.8558	788.0115	**0.0001**
item*region1	che_bro, 2	0	22.7278	0.0000	.	.
item*region1	che_bro, 3	0	0.0000	0.0000	.	.
item*region1	cheers, 1	1	-25.0660	70342.8077	0.0000	0.9997
item*region1	cheers, 2	1	-25.0660	60132.5783	0.0000	0.9997
item*region1	cheers, 3	0	0.0000	0.0000	.	.
item*region1	choice, 1	1	-0.2059	0.6668	0.0953	0.7576
item*region1	choice, 2	1	-0.5188	0.6577	0.6222	0.4302
item*region1	choice, 3	0	0.0000	0.0000	.	.
item*region1	gdonya, 1	1	-2.0149	0.9708	4.3079	**0.0379**
item*region1	gdonya, 2	1	-1.3817	0.7987	2.9928	0.0836
item*region1	gdonya, 3	0	0.0000	0.0000	.	.
item*region1	primo, 1	1	23.4747	0.6910	1154.1656	**0.0001**
item*region1	primo, 2	0	24.3282	0.0000	.	.
item*region1	primo, 3	0	0.0000	0.0000	.	.
item*region1	shotty, 1	1	25.5089	0.7726	1089.9897	**0.0001**
item*region1	shotty,	2	0	22.7270	0.0000	.
item*region1	shotty,	3	0	0.0000	0.0000	.
item*region1	stoked, 1	1	22.3400	1.2373	325.9755	**0.0001**
item*region1	stoked, 2	0	22.7277	0.0000	.	.
item*region1	stoked, 3	0	0.0000	0.0000	.	.
item*region1	too_mch, 1	1	23.0511	1.0155	515.2084	**0.0001**
item*region1	too_mch, 2	0	22.7277	0.0000	.	.
item*region1	too_mch, 3	0	0.0000	0.0000	.	.
item*region1	wicked, 1	1	0.3610	0.8343	0.1873	0.6652
item*region1	wicked, 2	1	0.5878	0.8097	0.5270	0.4679
item*region1	wicked, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Party Responses by Main Region when Region 3 is deleted

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-3.6376	0.7164	25.7855	0.0001
item	cheers	1	-26.3653	60132.5783	0.0000	0.9997
item	choice	1	-1.4351	0.2873	24.9512	0.0001
item	goodonya	1	-2.6810	0.4623	33.6356	0.0001
item	primo	1	-2.0369	0.3544	33.0315	0.0001
item	shotty	1	-3.6376	0.7164	25.7855	0.0001
item	stoked	1	-3.6376	0.7164	25.7855	0.0001
item	too_much	1	-3.6376	0.7164	25.7855	0.0001
item	wicked	1	-1.2040	0.2687	20.0707	0.0001
item*reg1	che_bro, 1	1	1.2958	0.8558	2.2926	0.1300
item*reg1	che_bro, 2	0	0.0000	0.0000	.	.
item*reg1	cheers, 1	1	-0.0000	92542.0854	0.0000	1.0000
item*reg1	cheers, 2	0	0.0000	0.0000	.	.
item*reg1	choice, 1	1	0.3129	0.4210	0.5526	0.4573
item*reg1	choice, 2	0	0.0000	0.0000	.	.
item*reg1	goodonya, 1	1	-0.6332	0.8555	0.5478	0.4592
item*reg1	goodonya, 2	0	0.0000	0.0000	.	.
item*reg1	primo, 1	1	-0.8535	0.6910	1.5257	0.2168
item*reg1	primo, 2	0	0.0000	0.0000	.	.
item*reg1	shotty, 1	1	2.7819	0.7726	12.9637	**0.0003**
item*reg1	shotty, 2	0	0.0000	0.0000	.	.
item*reg1	stoked, 1	1	-0.3878	1.2373	0.0982	0.7540
item*reg1	stoked, 2	0	0.0000	0.0000	.	.
item*reg1	too_much ,1	1	0.3234	1.0155	0.1014	0.7501
item*reg1	too_much, 2	0	0.0000	0.0000	.	.
item*reg1	wicked, 1	1	-0.2268	0.4300	0.2782	0.5979
item*reg1	wicked, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Party responses by Sub-Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-26.3653	0.7746	1158.5527	0.0001
item	cheers	1	-1.2993	0.6513	3.9792	0.0461
item	choice	1	-0.9163	0.5916	2.3988	0.1214
item	gdonya	1	-1.2993	0.6513	3.9792	0.0461
item	primo	1	-26.3654	0.7500	1235.7947	0.0001
item	shotty	1	-26.3650	1.0607	617.8790	0.0001
item	stoked	1	-26.3653	0.8660	926.8359	0.0001
item	too_mch	1	-26.3652	0.7746	1158.5398	0.0001
item	wicked	1	-1.7918	0.7638	5.5035	0.0190
item*region2	che_bro, 1	1	24.7559	1.3416	340.4751	**0.0001**
item*region2	che_bro, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	che_bro, 3	1	23.4750	1.2867	332.8638	**0.0001**
item*region2	che_bro, 4	1	24.3285	0.9883	605.9247	**0.0001**
item*region2	che_bro,5	0	24.7559	0.0000	.	.
item*region2	che_bro, 6	1	0.0000	113225.901	0.0000	1.0000
item*region2	che_bro, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	che_bro, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	che_bro, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	che_bro, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	che_bro, 11	0	0.0000	0.0000	.	.
item*region2	cheers, 1	1	-25.0660	216811.094	0.0000	0.9999
item*region2	cheers, 2	1	-25.0660	216811.094	0.0000	0.9999
item*region2	cheers, 3	1	-25.0660	121837.317	0.0000	0.9998
item*region2	cheers, 4	1	-25.0660	104152.681	0.0000	0.9998
item*region2	cheers, 5	1	-25.0660	153308.595	0.0000	0.9999
item*region2	cheers, 6	1	-25.0660	113225.901	0.0000	0.9998
item*region2	cheers, 7	1	-25.0660	177025.517	0.0000	0.9999
item*region2	cheers,8	1	-25.0660	216811.094	0.0000	0.9999
item*region2	cheers, 9	1	-25.0660	125175.944	0.0000	0.9998
item*region2	cheers, 10	1	-25.0660	167941.152	0.0000	0.9999
item*region2	cheers, 11	0	0.0000	0.0000	.	.
item*region2	choice, 1	1	1.6094	1.0488	2.3548	0.1249
item*region2	choice, 2	1	-25.4490	216811.094	0.0000	0.9999
item*region2	choice, 3	1	-0.4055	0.8165	0.2466	0.6195
item*region2	choice, 4	1	-0.2877	0.7528	0.1460	0.7023
item*region2	choice, 5	1	0.9163	0.8266	1.2287	0.2677
item*region2	choice, 6	1	-0.5878	0.8097	0.5270	0.4679
item*region2	choice, 7	1	-0.3365	0.9964	0.1140	0.7356
item*region2	choice, 8	1	-25.4490	216811.094	0.0000	0.9999
item*region2	choice, 9	1	-1.1632	0.9552	1.4827	0.2234
item*region2	choice, 10	1	-1.2809	1.2088	1.1230	0.2893

item*region2	choice, 11	0	0.0000	0.0000	.	.
item*region2	gdonya, 1	1	-25.0660	216811.094	0.0000	0.9999
item*region2	gdonya, 2	1	-25.0660	216811.094	0.0000	0.9999
item*region2	gdonya, 3	1	-25.0660	121837.317	0.0000	0.9998
item*region2	gdonya, 4	1	-1.1856	0.9828	1.4553	0.2277
item*region2	gdonya, 5	1	-25.0660	153308.595	0.0000	0.9999
item*region2	gdonya, 6	1	-1.7452	1.2132	2.0694	0.1503
item*region2	gdonya, 7	1	-25.0660	177025.517	0.0000	0.9999
item*region2	gdonya, 8	1	-25.0660	216811.094	0.0000	0.9999
item*region2	gdonya, 9	1	-0.3102	0.9079	0.1167	0.7326
item*region2	gdonya, 10	1	-0.8979	1.2391	0.5252	0.4687
item*region2	gdonya, 11	0	0.0000	0.0000	.	.
item*region2	primo, 1	1	24.7560	1.3276	347.7208	**0.0001**
item*region2	primo, 2	1	0.0001	216811.094	0.0000	1.0000
item*region2	primo, 3	1	23.4750	1.2720	340.5799	**0.0001**
item*region2	primo, 4	1	23.1465	1.2659	334.3287	**0.0001**
item*region2	primo, 5	1	23.9675	1.2858	347.4285	**0.0001**
item*region2	primo, 6	1	25.1416	0.9063	769.6132	**0.0001**
item*region2	primo, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	primo, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	primo, 9	0	24.2860	0.0000	.	.
item*region2	primo, 10	1	0.0001	167941.152	0.0000	1.0000
item*region2	primo, 11	0	0.0000	0.0000	.	.
item*region2	shotty, 1	1	26.3650	1.3385	387.9705	**0.0001**
item*region2	shotty, 2	1	-0.0003	216811.094	0.0000	1.0000
item*region2	shotty, 3	1	25.5918	1.1699	478.5520	**0.0001**
item*region2	shotty, 4	1	25.5541	1.1426	500.1787	**0.0001**
item*region2	shotty, 5	1	23.9671	1.4886	259.2267	**0.0001**
item*region2	shotty, 6	1	-0.0003	113225.901	0.0000	1.0000
item*region2	shotty, 7	0	24.2856	0.0000	.	.
item*region2	shotty, 8	1	-0.0003	216811.094	0.0000	1.0000
item*region2	shotty, 9	1	-0.0003	125175.944	0.0000	1.0000
item*region2	shotty, 10	1	-0.0003	167941.152	0.0000	1.0000
item*region2	shotty, 11	0	0.0000	0.0000	.	.
item*region2	stoked, 1	1	-0.0001	216811.094	0.0000	1.0000
item*region2	stoked, 2	1	-0.0001	216811.094	0.0000	1.0000
item*region2	stoked, 3	1	23.4749	1.3437	305.2082	
item*region2	stoked, 4	1	-0.0001	104152.681	0.0000	1.0000
item*region2	stoked, 5	1	-0.0001	153308.595	0.0000	1.0000
item*region2	stoked, 6	1	-0.0001	113225.901	0.0000	1.0000
item*region2	stoked, 7	1	-0.0001	177025.517	0.0000	1.0000
item*region2	stoked, 8	0	25.6721	0.0000	.	.
item*region2	stoked, 9	1	-0.0001	125175.944	0.0000	1.0000
item*region2	stoked, 10	1	-0.0001	167941.152	0.0000	1.0000
item*region2	stoked, 11	0	0.0000	0.0000	.	.

item*region2	too_mch,	1	-0.0001	216811.094	0.0000	1.0000
item*region2	too_mch,	1	-0.0001	216811.094	0.0000	1.0000
item*region2	too_mch, 3	1	-0.0001	121837.317	0.0000	1.0000
item*region2	too_mch, 4	1	23.8803	1.0685	499.5053	**0.0001**
item*region2	too_mch, 5	0	24.7558	0.0000	.	.
item*region2	too_mch, 6	1	-0.0001	113225.901	0.0000	1.0000
item*region2	too_mch, 7	1	-0.0001	177025.517	0.0000	1.0000
item*region2	too_mch, 8	1	-0.0001	216811.094	0.0000	1.0000
item*region2	too_mch, 9	1	-0.0001	125175.944	0.0000	1.0000
item*region2	too_mch, 10	1	-0.0001	167941.152	0.0000	1.0000
item*region2	too_mch, 11	0	0.0000	0.0000	.	.
item*region2	wicked, 1	1	-24.5736	216811.094	0.0000	0.9999
item*region2	wicked, 2	1	-24.5736	216811.094	0.0000	0.9999
item*region2	wicked, 3	1	0.4700	0.9487	0.2454	0.6203
item*region2	wicked, 4	1	0.7932	0.8825	0.8079	0.3687
item*region2	wicked, 5	1	-0.6061	1.2939	0.2194	0.6395
item*region2	wicked, 6	1	-0.5108	1.0646	0.2302	0.6313
item*region2	wicked, 7	1	1.5686	1.0165	2.3812	0.1228
item*region2	wicked, 8	1	1.7918	1.1180	2.5683	0.1090
item*region2	wicked, 9	1	0.5390	0.9512	0.3211	0.5709
item*region2	wicked, 10	1	1.3863	1.0000	1.9218	0.1657
item*region2	wicked, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Party responses by Island

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-26.3653	0.3698	5082.6825	0.0001
item	cheers	1	-2.8904	0.5932	23.7437	0.0001
item	choice	1	-1.6740	0.3632	21.2377	0.0001
item	gdonya	1	-1.9661	0.4036	23.7361	0.0001
item	primo	1	-3.3142	0.7198	21.1969	0.0001
item	shotty	1	-4.0254	1.0089	15.9192	0.0001
item	stoked	1	-3.3142	0.7198	21.1969	0.0001
item	too_mch	1	-26.3653	0.5111	2660.9238	0.0001
item	wicked	1	-0.8557	0.2895	8.7346	0.0031
item*island	che_bro, 1	0	24.0021	0.0000	.	.
item*island	che_bro, 2	0	0.0000	0.0000	.	.
item*island	cheers, 1	1	-23.4750	55070.0730	0.0000	0.9997
item*island	cheers, 2	0	0.0000	0.0000	.	.
item*island	choice, 1	1	0.6733	0.4320	2.4291	0.1191
item*island	choice, 2	0	0.0000	0.0000	.	.
item*island	gdonya, 1	1	-1.4351	0.7123	4.0597	**0.0439**
item*island	gdonya, 2	0	0.0000	0.0000	.	.
item*island	primo, 1	1	1.1979	0.7939	2.2770	0.1313
item*island	primo, 2	0	0.0000	0.0000	.	.
item*island	shotty, 1	1	2.5982	1.0425	6.2120	**0.0127**
item*island	shotty, 2	0	0.0000	0.0000	.	.
item*island	stoked, 1	1	-1.2076	1.2365	0.9537	0.3288
item*island	stoked, 2	0	0.0000	0.0000	.	.
item*island	too_mch, 1	0	23.2630	0.0000	.	.
item*island	too_mch, 2	0	0.0000	0.0000	.	.
item*island	wicked, 1	1	-0.8747	0.4098	4.5569	**0.0328**
item*island	wicked, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Party responses by Catholic

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-1.9459	0.7559	6.6265	0.0100
item	cheers	1	-25.3653	0.5841	1885.9958	0.0001
item	choice	1	-2.7081	1.0328	6.8752	0.0087
item	gdonya	1	-2.7081	1.0328	6.8752	0.0087
item	primo	1	-2.7081	1.0328	6.8752	0.0087
item	shotty	1	-2.7081	1.0328	6.8752	0.0087
item	stoked	1	-25.3653	0.5841	1885.9953	0.0001
item	too_mch	1	-2.7081	1.0328	6.8752	0.0087
item	wicked	1	-1.9459	0.7559	6.6265	0.0100
item*catholic	che_bro, 1	1	-1.0906	0.8638	1.5943	0.2067
item*catholic	che_bro, 2	0	0.0000	0.0000	.	.
item*catholic	cheers, 1	0	21.6119	0.0000	.	.
item*catholic	cheers, 2	0	0.0000	0.0000	.	.
item*catholic	choice, 1	1	1.6196	1.0522	2.3692	0.1238
item*catholic	choice, 2	0	0.0000	0.0000	.	.
item*catholic	gdonya, 1	1	0.1013	1.0890	0.0086	0.9259
item*catholic	gdonya, 2	0	0.0000	0.0000	.	.
item*catholic	primo, 1	1	0.3185	1.0798	0.0870	0.7680
item*catholic	primo, 2	0	0.0000	0.0000	.	.
item*catholic	shotty, 1	1	0.8051	1.0650	0.5714	0.4497
item*catholic	shotty, 2	0	0.0000	0.0000	.	.
item*catholic	stoked, 1	0	21.6119	0.0000	.	.
item*catholic	stoked, 2	0	0.0000	0.0000	.	.
item*catholic	too_mch, 1	1	-1.0454	1.1865	0.7762	0.3783
item*catholic	too_mch, 2	0	0.0000	0.0000	.	.
item*catholic	wicked, 1	1	0.6882	0.7847	0.7693	0.3804
item*catholic	wicked, 2	0	0.0000	0.0000	.	.
scale	0	1.00,	0.0000	.	.	

Party responses by Urban/Rural

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-3.3499	0.7194	21.6829	0.0001
item	cheers	1	-4.0604	1.0086	16.2078	0.0001
item	choice	1	-1.3652	0.3234	17.8175	0.0001
item	gdonya	1	-4.0604	1.0086	16.2078	0.0001
item	primo	1	-2.9267	0.5926	24.3908	0.0001
item	shotty	1	-2.0053	0.4026	24.8098	0.0001
item	stoked	1	-26.3653	0.7155	1357.9288	0.0001
item	too_mch	1	-26.3653	0.5120	2651.1915	0.0001
item	wicked	1	-1.8524	0.3803	23.7285	0.0001
item*urb_rur	che_bro, 1	1	0.7596	0.8347	0.8282	0.3628
item*urb_rur	che_bro, 2	0	0.0000	0.0000	.	.
item*urb_rur	cheers, 1	1	0.3228	1.2366	0.0681	0.7941
item*urb_rur	cheers, 2	0	0.0000	0.0000	.	.
item*urb_rur	choice, 1	1	0.2354	0.4094	0.3305	0.5653
item*urb_rur	choice, 2	0	0.0000	0.0000	.	.
item*urb_rur	gdonya, 1	1	1.9139	1.0683	3.2093	0.0732
item*urb_rur	gdonya, 2	0	0.0000	0.0000	.	.
item*urb_rur	primo, 1	1	0.6495	0.6993	0.8626	0.3530
item*urb_rur	primo, 2	0	0.0000	0.0000	.	.
item*urb_rur	shotty, 1	1	0.0857	0.5161	0.0276	0.8680
item*urb_rur	shotty,	2	0	0.0000	0.0000	.
item*urb_rur	stoked, 1	0	22.6277	0.0000	.	.
item*urb_rur	stoked, 2	0	0.0000	0.0000	.	.
item*urb_rur	too_mch, 1	0	23.3449	0.0000	.	.
item*urb_rur	too_mch, 2	0	0.0000	0.0000	.	.
item*urb_rur	wicked, 1	1	0.7845	0.4535	2.9924	0.0837
item*urb_rur	wicked, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Party responses by Decile and Main Region, 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	che_bro	1	-26.8343	1.1240	569.9590	0.0001
item	cheers	1	99.2662	60030.5573	0.0000	0.9987
item	choice	1	-0.1949	0.7233	0.0726	0.7876
item	goodony	1	-1.0927	0.9530	1.3146	0.2516
item	primo	1	-27.3914	0.8241	1104.6389	0.0001
item	shotty	1	-26.2017	0.8988	849.9181	0.0001
item	stoked	1	-25.6825	1.2839	400.1487	0.0001
item	too_much	1	-26.6330	1.2950	422.9556	0.0001
item	wicked	1	-2.6185	0.9270	7.9793	0.0047
item*region1	che_bro, 1	1	24.9394	0.8836	796.6361	**0.0001**
item*region1	che_bro, 2	0	23.7872	0.0000	.	.
item*region1	che_bro, 3	0	0.0000	0.0000	.	.
item*region1	cheers, 1	1	-84.1570	91281.1458	0.0000	0.9993
item*region1	cheers, 2	1	-82.8759	72432.4930	0.0000	0.9991
item*region1	cheers, 3	0	0.0000	0.0000	.	.
item*region1	choice, 1	1	-0.3222	0.6792	0.2250	0.6352
item*region1	choice, 2	1	-0.4422	0.6674	0.4391	0.5076
item*region1	choice, 3	0	0.0000	0.0000	.	.
item*region1	goodonya, 1	1	-2.0480	0.9784	4.3817	**0.0363**
item*region1	goodonya, 2	1	-1.3592	0.8026	2.8678	0.0904
item*region1	goodonya, 3	0	0.0000	0.0000	.	.
item*region1	primo, 1	1	24.4788	0.7128	1179.4690	**0.0001**
item*region1	primo, 2	0	25.3255	0.0000	.	.
item*region1	primo, 3	0	0.0000	0.0000	.	.
item*region1	shotty, 1	1	26.3872	0.7834	1134.6418	**0.0001**
item*region1	shotty, 2	0	23.8542	0.0000	.	.
item*region1	shotty, 3	0	0.0000	0.0000	.	.
item*region1	stoked, 1	1	23.0191	1.2859	320.4707	**0.0001**
item*region1	stoked, 2	0	23.9200	0.0000	.	.
item*region1	stoked, 3	0	0.0000	0.0000	.	.
item*region1	too_much, 1	1	23.9275	1.0577	511.7687	**0.0001**
item*region1	too_much, 2	0	23.8103	0.0000	.	.
item*region1	too_much, 3	0	0.0000	0.0000	.	.
item*region1	wicked, 1	1	0.4880	0.8450	0.3335	0.5636
item*region1	wicked, 2	1	0.5169	0.8170	0.4003	0.5269
item*region1	wicked, 3	0	0.0000	0.0000	.	.
decile*item	che_bro	1	-0.0966	0.1496	0.4170	0.5185
decile*item	cheers	1	-39.5618	23477.1633	0.0000	0.9987
decile*item	choice	1	-0.1295	0.0754	2.9508	0.0858
decile*item	goodonya	1	-0.0362	0.1236	0.0858	0.7695
decile*item	primo	1	0.0045	0.1152	0.0015	0.9688

decile*item	shotty	1	-0.2274	0.1095	4.3143	**0.0378**
decile*item	stoked	1	-0.3571	0.2562	1.9431	0.1633
decile*item	too_much	1	-0.1363	0.1954	0.4866	0.4854
decile*item	wicked	1	0.1343	0.0793	2.8701	0.0902
scale	0	1.00	0.0000	.	.	

Party responses by Main Region and Decile in Northern and Central Regions only, 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	che_bro	1	-3.0471	1.1240	7.3492	0.0067
item	cheers	1	-26.3653	126058.352	0.0000	0.9998
item	choice	1	-0.5312	0.5549	0.9165	0.3384
item	goodony	1	-3.4375	1.1804	8.4801	0.0036
item	primo	1	-2.0659	0.8241	6.2839	0.0122
item	shotty	1	-2.3475	0.8988	6.8222	0.0090
item	stoked	1	-1.7626	1.2839	1.8847	0.1698
item	too_much	1	-2.8227	1.2950	4.7509	0.0293
item	wicked	1	-1.9303	0.6188	9.7293	0.0018
item*region1	che_bro, 1	1	1.1522	0.8836	1.7004	0.1922
item*region1	che_bro, 2	0	0.0000	0.0000	.	.
item*region1	cheers, 1	1	0.0000	96187.1712	0.0000	1.0000
item*region1	cheers, 2	0	0.0000	0.0000	.	.
item*region1	choice, 1	1	0.0938	0.4424	0.0449	0.8322
item*region1	choice, 2	0	0.0000	0.0000	.	.
item*region1	goodonya, 1	1	-0.4689	0.8836	0.2816	0.5956
item*region1	goodonya, 2	0	0.0000	0.0000	.	.
item*region1	primo, 1	1	-0.8466	0.7128	1.4109	0.2349
item*region1	primo, 2	0	0.0000	0.0000	.	.
item*region1	shotty, 1	1	2.5330	0.7834	10.4558	**0.0012**
item*region1	shotty, 2	0	0.0000	0.0000	.	.
item*region1	stoked, 1	1	-0.9009	1.2859	0.4908	0.4836
item*region1	stoked, 2	0	0.0000	0.0000	.	.
item*region1	too_much, 1	1	0.1171	1.0577	0.0123	0.9118
item*region1	too_much, 2	0	0.0000	0.0000	.	.
item*region1	wicked, 1	1	-0.0646	0.4486	0.0207	0.8855
item*region1	wicked, 2	0	0.0000	0.0000	.	.
decile*item	che_bro	1	-0.0966	0.1496	0.4170	0.5185
decile*item	cheers	1	0.0000	17214.6328	0.0000	1.0000
decile*item	choice	1	-0.1476	0.0812	3.3060	0.0690
decile*item	goodonya	1	0.1119	0.1534	0.5316	0.4659
decile*item	primo	1	0.0045	0.1152	0.0015	0.9688
decile*item	shotty	1	-0.2274	0.1095	4.3143	**0.0378**
decile*item	stoked	1	-0.3571	0.2562	1.9431	0.1633

decile*item	too_much	1	-0.1363	0.1954	0.4866	0.4854
decile*item	wicked	1	0.1094	0.0814	1.8072	0.1788
scale	0	1.00	0.0000	.	.	

Party responses by Island 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	che_bro	1	-27.5713	0.7083	1515.2503	0.0001
item	cheers	1	46.2865	1.2247	1428.2958	0.0001
item	choice	1	-0.8802	0.5747	2.3455	0.1256
item	goodony	1	-1.4770	0.8991	2.6982	0.1005
item	primo	1	-3.8664	1.0479	13.6133	0.0002
item	shotty	1	-2.6643	1.1377	5.4841	0.0192
item	stoked	1	-1.0262	1.3973	0.5393	0.4627
item	too_much	1	-27.9154	1.0055	770.7869	0.0001
item	wicked	1	-1.6188	0.6130	6.9732	0.0083
item*island	che_bro, 1	0	25.8273	0.0000	.	.
item*island	che_bro, 2	0	0.0000	0.0000	.	.
item*island	cheers, 1	1	-48.8128	105123.424	0.0000	0.9996
item*island	cheers, 2	0	0.0000	0.0000	.	.
item*island	choice, 1	1	0.5193	0.4446	1.3644	0.2428
item*island	choice, 2	0	0.0000	0.0000	.	.
item*island	goodonya, 1	1	-1.5391	0.7383	4.3464	**0.0371**
item*island	goodonya, 2	0	0.0000	0.0000	.	.
item*island	primo, 1	1	1.2940	0.8040	2.5904	0.1075
item*island	primo, 2	0	0.0000	0.0000	.	.
item*island	shotty, 1	1	2.3358	1.0524	4.9259	**0.0265**
item*island	shotty, 2	0	0.0000	0.0000	.	.
item*island	stoked, 1	1	-1.8633	1.3246	1.9786	0.1595
item*island	stoked, 2	0	0.0000	0.0000	.	.
item*island	too_much, 1	0	25.1687	0.0000	.	.
item*island	too_much, 2	0	0.0000	0.0000	.	.
item*island	wicked, 1	1	-0.7568	0.4181	3.2775	0.0702
item*island	wicked, 2	0	0.0000	0.0000	.	.
decile*item	che_bro	1	-0.1271	0.1353	0.8824	0.3475
decile*item	cheers	0	-22.7967	0.0000	.	.
decile*item	choice	1	-0.1265	0.0735	2.9570	0.0855
decile*item	goodonya	1	-0.0769	0.1298	0.3515	0.5532
decile*item	primo	1	0.0819	0.1095	0.5596	0.4544
decile*item	shotty	1	-0.2324	0.1003	5.3692	**0.0205**
decile*item	stoked	1	-0.4264	0.2774	2.3625	0.1243
decile*item	too_much	1	-0.0706	0.1813	0.1517	0.6969
decile*item	wicked	1	0.1146	0.0793	2.0853	0.1487
scale	0	1.00	0.0000	.	.	

Party responses by Island and Main Region, 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	che_bro	1	-27.3653	0.7282	1412.1383	0.0001
item	cheers	1	-1.2993	0.6513	3.9792	0.0461
item	choice	1	-0.9163	0.5916	2.3988	0.1214
item	goodony	1	-1.2993	0.6513	3.9792	0.0461
item	primo	1	-27.3653	0.7241	1428.0559	0.0001
item	shotty	1	-27.3649	1.0118	731.4209	0.0001
item	stoked	1	-27.3653	0.7241	1428.0614	0.0001
item	too_much	1	-27.3653	0.7282	1412.1375	0.0001
item	wicked	1	-1.7918	0.7638	5.5035	0.0190
item*region1	che_bro, 1	1	0.4616	0.8658	0.2842	0.5939
item*region1	che_bro, 2	0	0.0000	0.0000	.	.
item*region1	che_bro, 3	0	0.0000	0.0000	.	.
item*region1	cheers, 1	1	-26.0660	230618.246	0.0000	0.9999
item*region1	cheers, 2	1	-26.0660	133527.322	0.0000	0.9998
item*region1	cheers, 3	0	0.0000	0.0000	.	.
item*region1	choice, 1	1	-1.3177	0.9006	2.1410	0.1434
item*region1	choice, 2	1	-1.1119	0.7592	2.1451	0.1430
item*region1	choice, 3	0	0.0000	0.0000	.	.
item*region1	goodonya, 1	1	-0.7658	1.4992	0.2609	0.6095
item*region1	goodonya, 2	1	-0.9780	0.8366	1.3666	0.2424
item*region1	goodonya, 3	0	0.0000	0.0000	.	.
item*region1	primo, 1	1	22.8408	0.7283	983.5563	**0.0001**
item*region1	primo, 2	0	24.3449	0.0000	.	.
item*region1	primo, 3	0	0.0000	0.0000	.	.
item*region1	shotty, 1	1	26.2979	1.0551	621.2334	**0.0001**
item*region1	shotty, 2	0	23.6272	0.0000	.	.
item*region1	shotty, 3	0	0.0000	0.0000	.	.
item*region1	stoked, 1	1	47.6849	1.2419	1474.3724	**0.0001**
item*region1	stoked, 2	0	24.3449	0.0000	.	.
item*region1	stoked, 3	0	0.0000	0.0000	.	.
item*region1	too_much, 1	1	-0.5108	1.0240	0.2489	0.6179
item*region1	too_much, 2	0	0.0000	0.0000	.	.
item*region1	too_much, 3	0	0.0000	0.0000	.	.
item*region1	wicked, 1	1	2.1040	1.0784	3.8065	0.0511
item*region1	wicked, 2	1	1.1676	0.8281	1.9881	0.1585
item*region1	wicked, 3	0	0.0000	0.0000	.	.
item*island	che_bro, 1	0	24.5620	0.0000	.	.
item*island	che_bro, 2	0	0.0000	0.0000	.	.
item*island	cheers, 1	1	0.0000	199334.935	0.0000	1.0000
item*island	cheers, 2	0	0.0000	0.0000	.	.

item*island	choice, 1	1	1.1119	0.6052	3.3748	0.0662
item*island	choice, 2	0	0.0000	0.0000	.	.
item*island	goodonya, 1	1	-1.2491	1.1424	1.1955	0.2742
item*island	goodonya, 2	0	0.0000	0.0000	.	.
item*island	primo, 1	1	1.6341	0.8384	3.7988	0.0513
item*island	primo, 2	0	0.0000	0.0000	.	.
item*island	shotty, 1	1	0.2113	1.4329	0.0217	0.8828
item*island	shotty, 2	0	0.0000	0.0000	.	.
item*island	stoked, 1	0	-24.3449	0.0000	.	.
item*island	stoked, 2	0	0.0000	0.0000	.	.
item*island	too_much, 1	0	24.5620	0.0000	.	.
item*island	too_much, 2	0	0.0000	0.0000	.	.
item*island	wicked, 1	1	-1.7430	0.6833	6.5057	**0.0108**
item*island	wicked, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Party responses by Island and Main Region, Northern and Central Regions only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-27.3653	0.7282	1412.1377	0.0001
item	cheers	1	-27.3653	133527.322	0.0000	0.9998
item	choice	1	-2.0281	0.4757	18.1754	0.0001
item	goodony	1	-2.2773	0.5250	18.8141	0.0001
item	primo	1	-3.0204	0.7241	17.3973	0.0001
item	shotty	1	-3.7377	1.0118	13.6453	0.0002
item	stoked	1	-3.0204	0.7241	17.3973	0.0001
item	too_much	1	-27.3653	0.7282	1412.1365	0.0001
item	wicked	1	-0.6242	0.3200	3.8051	0.0511
item*region1	che_bro, 1	1	0.4616	0.8658	0.2842	0.5939
item*region1	che_bro, 2	0	0.0000	0.0000	.	.
item*region1	cheers, 1	1	-0.0000	188029.864	0.0000	1.0000
item*region1	cheers, 2	0	0.0000	0.0000	.	.
item*region1	choice, 1	1	-0.2059	0.4844	0.1806	0.6709
item*region1	choice, 2	0	0.0000	0.0000	.	.
item*region1	goodonya, 1	1	0.2122	1.2440	0.0291	0.8646
item*region1	goodonya, 2	0	0.0000	0.0000	.	.
item*region1	primo, 1	1	-1.5041	0.7283	4.2650	**0.0389**
item*region1	primo, 2	0	0.0000	0.0000	.	.
item*region1	shotty, 1	1	2.6707	1.0551	6.4071	**0.0114**
item*region1	shotty, 2	0	0.0000	0.0000	.	.
item*region1	stoked, 1	1	23.3400	1.2419	353.2207	**0.0001**
item*region1	stoked, 2	0	0.0000	0.0000	.	.
item*region1	too_much, 1	1	-0.5108	1.0240	0.2489	0.6179
item*region1	too_much, 2	0	0.0000	0.0000	.	.

item*region1	wicked, 1	1	0.9364	0.6908	1.8373	0.1753
item*region1	wicked, 2	0	0.0000	0.0000	.	.
item*island	che_bro, 1	0	24.5620	0.0000	.	.
item*island	che_bro, 2	0	0.0000	0.0000	.	.
item*island	cheers, 1	1	0.0000	199334.935	0.0000	1.0000
item*island	cheers, 2	0	0.0000	0.0000	.	.
item*island	choice, 1	1	1.1119	0.6052	3.3748	0.0662
item*island	choice, 2	0	0.0000	0.0000	.	.
item*island	goodonya, 1	1	-1.2491	1.1424	1.1955	0.2742
item*island	goodonya, 2	0	0.0000	0.0000	.	.
item*island	primo, 1	1	1.6341	0.8384	3.7988	0.0513
item*island	primo, 2	0	0.0000	0.0000	.	.
item*island	shotty, 1	1	0.2113	1.4329	0.0217	0.8828
item*island	shotty, 2	0	0.0000	0.0000	.	.
item*island	stoked, 1	0	-24.3449	0.0000	.	.
item*island	stoked, 2	0	0.0000	0.0000	.	.
item*island	too_much, 1	0	24.5620	0.0000	.	.
item*island	too_much, 2	0	0.0000	0.0000	.	.
item*island	wicked, 1	1	-1.7430	0.6833	6.5057	**0.0108**
item*island	wicked, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

***Che bro* by relevant Sub-regions only**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	che_bro	1	-1.6094	0.7746	4.3172	0.0377
item*region2	che_bro, 1	1	-0.0000	1.3416	0.0000	1.0000
item*region2	che_bro, 2	1	-24.7559	216811.094	0.0000	0.9999
item*region2	che_bro, 3	1	-1.2809	1.2867	0.9911	0.3195
item*region2	che_bro, 4	1	-0.4274	0.9883	0.1870	0.6654
item*region2	che_bro, 5	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

***Too much* in relevant Sub-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	too_much	-1.6094	0.7746	-3.1276	-0.0913	-2.078	0.0377
item*reg2	too_much, 4	-0.8755	1.0685	-2.9697	1.2187	-.8194	0.4126
item*reg2	too_much, 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Stoked* by Decile and Main Region**

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	stoked	1	-25.6825	1.2839	400.1488	0.0001
item*region1	stoked, 1	1	23.0191	1.2859	320.4708	**0.0001**
item*region1	stoked, 2	0	23.9200	0.0000	.	.
item*region1	stoked, 3	0	0.0000	0.0000	.	.
decile*item	stoked	1	-0.3571	0.2562	1.9431	0.1633
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for stoked	1	0.5215	0.4702	LR

***Stoked* by Decile and Main Region, N and C 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	stoked	-1.7626	1.0560	-3.8323	0.3071	-1.669	0.0951
item*region1	stoked, 1	-0.9009	1.3716	-3.5891	1.7874	-.6568	0.5113
item*region1	stoked, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	stoked	-0.3571	0.1121	-0.5767	-0.1374	-3.186	**0.0014**
scale	0.8785	.	.	.	.	.	

***Stoked* by relevant Sub-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	stoked	-0.6931	0.8660	-2.3905	1.0042	-.8004	0.4235
item*region2	stoked, 3	-2.1972	1.3437	-4.8308	0.4364	-1.635	0.1020
item*region2	stoked, 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Wicked* by Island and Decile, Model 2**

Analysis Of GEE Parameter Estimates

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	wicked	-1.6188	0.5894	-2.7740	-0.4637	-2.747	0.0060
item*island	wicked, 1	-0.7568	0.4239	-1.5876	0.0739	-1.786	0.0742
item*island	wicked, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	wicked	0.1146	0.0737	-0.0299	0.2591	1.5540	0.1202
scale	0.9914	.	.	.	.	.	

CONTRAST Statement Results for Sub-regions for *wicked*

Contrast	DF	ChiSquare	Pr>Chi	Type
3 –5 for wicked	1	0.9509	0.3295	LR
4 –6 for wicked	1	2.6339	0.1046	LR
6 –7 for wicked	1	4.6930	**0.0303**	LR

***Shotty* by Decile in N and C 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	shotty	-0.2839	0.5275	-1.3177	0.7498	-.5383	0.5904
decile*item	shotty	-0.3057	0.1084	-0.5182	-0.0933	-2.821	**0.0048**
scale	1.0202	.	.	.	.	.	

***Shotty* by Decile in N Is 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	shotty	-0.3352	0.5244	-1.3629	0.6926	-.6392	0.5227
decile*item	shotty	-0.2308	0.1071	-0.4407	-0.0208	-2.154	**0.0312**
scale	1.0073	.	.	.	.	.	

***Shotty* by Main Region and Island in N and C 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	shotty	-3.7377	1.0118	-5.7208	-1.7545	-3.694	0.0002
item*region1	shotty, 1	2.6707	1.0551	0.6027	4.7387	2.5312	**0.0114**
item*region1	shotty, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	shotty, 1	0.2113	1.4329	-2.5971	3.0198	0.1475	0.8828
item*island	shotty, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	