Terms of Address
Laurie and Winifred Bauer

Question 18a, which was designed to elicit greetings, also elicited a wide range of address terms. Further address terms appeared in Q 18b, and more sporadically in a number of other questions throughout the questionnaire. There was so much information about these terms that it was worth gathering from all the diverse places it occurred and analysing.

In all, 69 address terms were reported. In a small number of instances, there were terms which were sometimes address terms, but not always. One of these was *man*, which was often used in an exclamatory way, rather than as a clear term of address. However, in almost all cases where a school reported the exclamatory use, they reported the address use somewhere else. Thus in *Man, it was hard*, it was not clear that *man* is an address term, but in *Your story's real cool, man*, it seemed much more likely that it was. *Baby* also caused some problems. It was reported a number of times in *Yeah baby*, the popularity of which apparently derives from Austin Powers. When it occurred in this phrase, it was not coded as an address term. However, there were other instances where there was less doubt about its function, and these were included.

There were a large number of address terms reported from only one school, e.g. *hoochies, jockeys, ma hearties, partner, cobber*, and *e'a* (almost certainly deriving from Maori *e hoa* 'friend').

The major factor in grouping address terms was that singular and plural forms of the same base were grouped together. Thus *boy* and *boys* were grouped, as were *you guys* and *yous guys*. In some cases, some guesswork was involved in grouping similar items: the following forms were grouped *buddy, buddies, bud buddas and buttice*. The last two are controversial, but we think it is likely that they are teacher attempts at writing *budders*. (See information from school visits below.) *Bro* and *brother* were kept separate, somewhat controversially (but only three schools reported *brother* and not *bro*).

After grouping, there were still almost 40 different terms remaining, but many of these were reported only twice. These were ignored if the two reports came from isolated spots in the country, and as a result only one two-report item was mapped. The remaining terms were divided into two groups according to frequency.

The higher frequency group was *man* (86); *bro* (62); *you guys* (46); *mate* (23); *(you) fella(s)* (11) and *brother* (10).

Man was found with such regularity throughout the country that it was not worth mapping it. Since we had not asked directly for address terms, we believe that the gaps in reporting are probably due to that rather than to the absence of this term.

Bro was found much more commonly in the North Island than the South Island, and more regularly in the Northern Region than in the rest of the North Island. However, there was also a clear tendency for this term to be found in lower decile schools. The figures for regional distribution are shown in the tables below, where the first table looks at the 3-region division, and the second at the North Island – South Island division.

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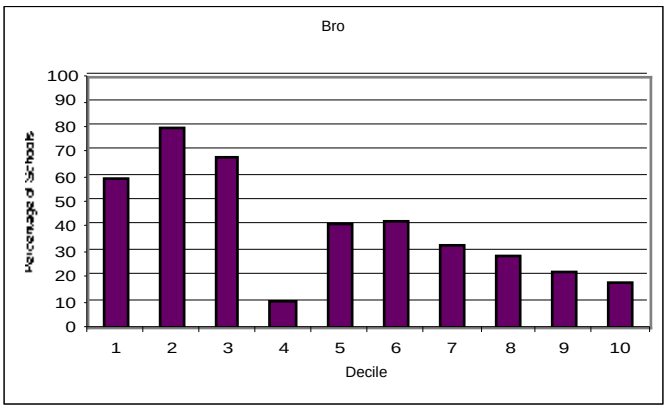
	Northern Region		**Central Region**		**Southern Region**	
	No.	% of total	No.	% of total	No.	% of total
Schools	57	38	78	52	14	9
Bro	33	53	24	39	4	6

The following table shows their distribution in relation to the North Island-South Island division:

	North Island		**South Island**	
	No.	%	No.	%
Schools	93	62	57	38
Bro	50	81	12	19

It seems clear that both correlations are supported, but the North Island-South Island split shows the stronger differentiation. The decile distribution for *bro* is shown in the following graph:



From this it will be seen that *bro* is considerably more common in lower decile schools than in high decile schools. The dip in reports from decile 4 schools is most likely just accident, but it is possible that it is a reflection of a pattern of distribution found in other address terms: a number of terms are found principally in low decile schools, but also in high decile schools. We hypothesise that the students in these high decile schools use such terms to ape the low social status culture, and are free to do so, because they are secure in their high status, and do not feel at risk of being taken as low status people. Those in the middle decile schools avoid such terms, because if they use them, they might be taken to belong to the class where such terms originate.

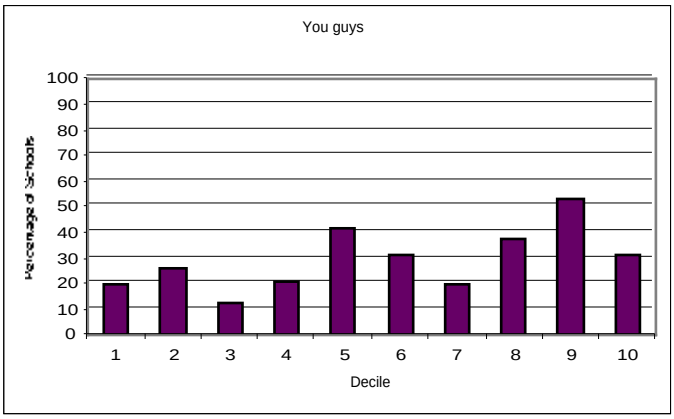
You guys is found throughout the country, although there was a surprising gap in reports from the centre of the North Island – there were no reports from the Waikato, the timber belt, the volcanic plateau, or Taranaki, where *bro* ruled supreme. It is almost the case that *you guys* and *bro* are in complementary distribution: *you guys* was more common in the Central Region than the Northern Region, and more common in the South Island than the North. However, the divisions are not as clearcut as they are for *bro*. The comparable tables follow:

	Northern Region		**Central Region**		**Southern Region**	
	No.	% of total	No.	% of total	No.	% of total
Schools	57	38	78	52	14	9
You guys	12	26	31	67	3	6

The following table shows the distribution in relation to the North Island-South Island division:

	North Island		**South Island**	
	No.	%	No.	%
Schools	93	62	57	38
You guys	27	59	19	41

In social terms, *you guys* is somewhat complementary to *bro*. The following graph shows the distribution in terms of deciles:



While the graph does not show a steady increase as the decile rises, there is nevertheless a tendency for the use of *you guys* to increase as the decile rises. *You guys* is also more common in urban than in rural areas:

	Urban		**Rural**	
	No.	%	No.	%
Schools	61	40	89	60
You guys	26	57	20	43

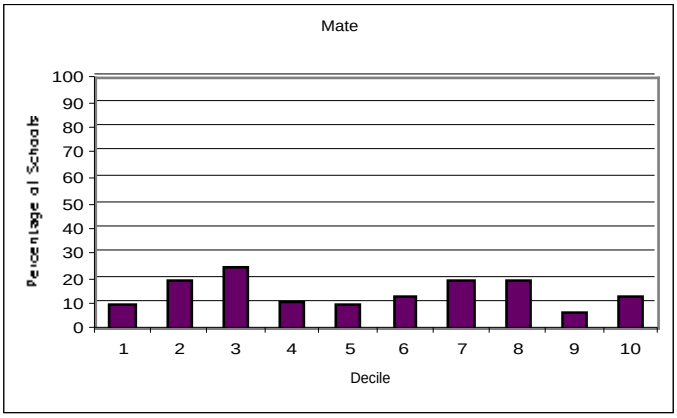
There are thus a large number of factors which appear to play a part in the distribution of this form.
Mate is found from Northland to Southland, but it is not particularly common anywhere, which is perhaps surprising given the NZ stereotype. It is a little more common in the South Island than the North, and a little more common in the Central Region than elsewhere, as the following tables indicate:

	Northern Region		**Central Region**		**Southern Region**	
	No.	% of total	No.	% of total	No.	% of total
Schools	57	38	78	52	14	9
Mate	6	26	15	65	1	4

The following table shows the distribution in relation to the North Island-South Island division:

	North Island		**South Island**	
	No.	%	No.	%
Schools	93	62	57	38
Mate	12	52	11	48

Mate shows no clear sign of being socially marked, as the following graph shows, but there is still perhaps a slight tendency towards a bi-modal distribution, with low numbers of reports from middle decile schools.

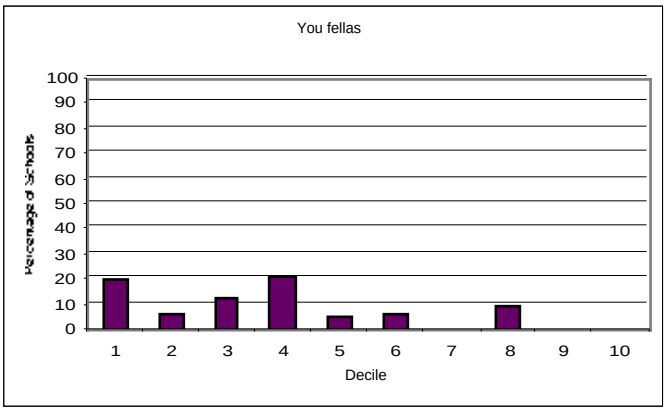


The following table compares urban and rural reports of *mate.*

	Urban		**Rural**	
	No.	%	No.	%
Schools	61	40	89	60
Mate	7	30	16	70

It will be seen that there is a slight tendency for *mate* to be rural rather than urban. There are thus potentially several factors affecting the distribution of this form. During the school visits, various interesting comments were made about *mate.* It is perceived by some children as something adults say; in one school, it was suggested that this could only be used as a joke form, again with the implication that by using it, you were putting yourself in an adult role. We cannot, of course, predict whether when these children become adult they will adopt the use of *mate,* or whether they will continue to find it funny.
You fellas (including *fella*) was not reported at all from the South Island. It was commonest in the Bay of Plenty and the timber belt, but was also reported from Northland, Auckland, Wanganui, the Manawatu and southern Hawkes Bay and Wellington. It thus spans both the Northern Region and the North Island section

of the Central Region. It clearly supports the divide between the two Islands. It is predominantly a lower-decile address term, as the following graph indicates:

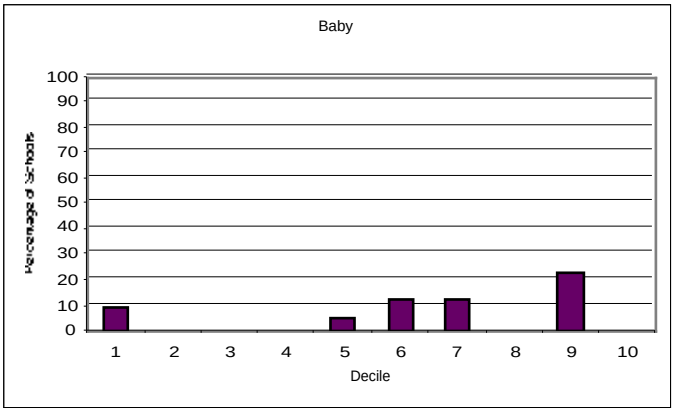


Once again, because the deciles are not evenly distributed across the regions, nor between the islands, some more sophisticated analysis will be needed to show the interaction between these two factors.

Brother is reported sporadically from Auckland to Otago, with no particular regional patterning. Neither does it show any particular evidence of patterning in terms of social class.

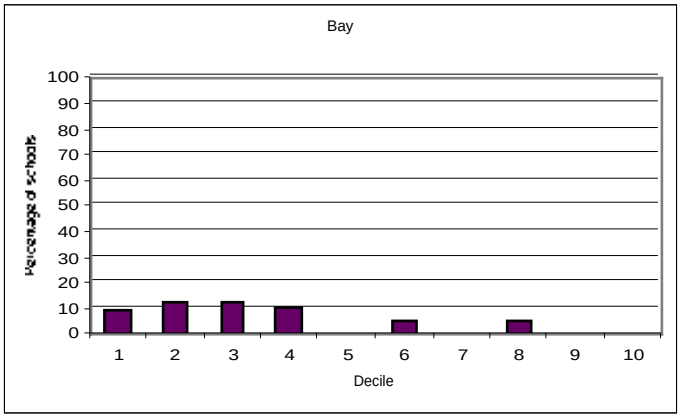
A number of low frequency forms were also considered. These were: *baby* (9); *bay* (8); *girl/boy* (8); *bud(dy)* (7); *girlfriend* (7); *yous* (7); *cuz* (6); *my nigger* (6); *you* (6); *bo* (5); *dude* (3) and *dog* (2). One of the most obvious features of the distribution of these forms is how few of them are found in South Canterbury, Otago and Southland.

Baby is found from Northland to North Canterbury. However, 6 of the 9 occurrences are in the Central Region. The distribution of this term also appears to have a social dimension: it is mainly reported from higher decile schools, as the following graph shows:

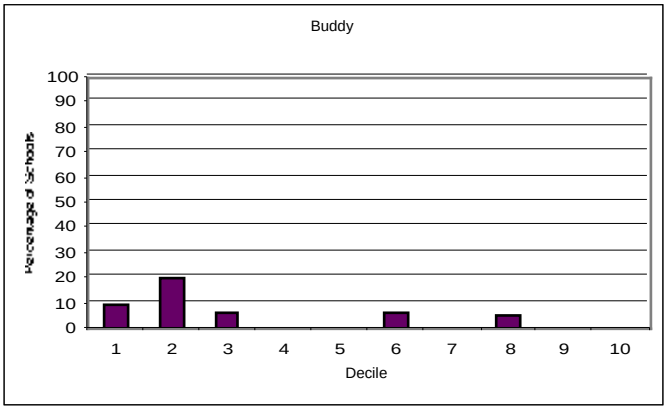


Bay (sometimes spelt *bae*) may be a contraction of *baby* or *babe*, but this is not certain. It is strongly regionalised: 6 of the 8 occurrences were reported from northern Hawkes Bay and Poverty Bay, (including the northern end of the Waioeka Gorge). There was also one report from South Auckland, and one from

Wellington. (During school visits, it was found to be known in two further Hawkes Bay schools, but not outside that area.) There is also a social dimension to its distribution: it is largely confined to low decile schools, as is shown in the following graph. If it is correct that *bay* is a contraction of *baby*, then it is perhaps not surprising that the two forms are largely in complementary distribution, with *baby* in higher decile schools and *bay* in lower decile schools. One possibility which might be worth investigating is whether it is the tendency of Maori people to shorten names as a sign of friendliness might be at work here.

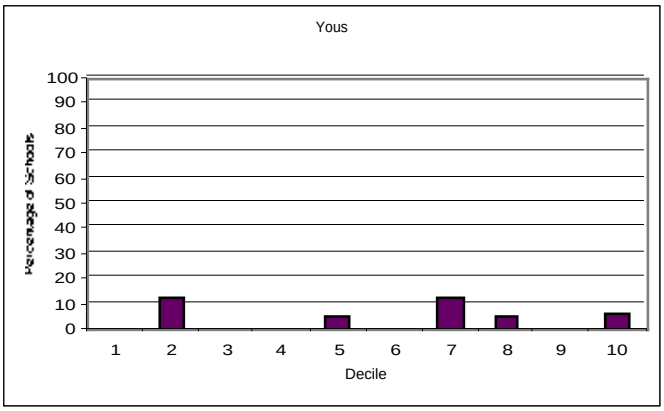


Girl/boy as address terms were reported from Northland to North Otago, and there does not seem to be any pattern either regional or social to their distribution.
Bud(dy) (including *buddas* and other spellings of this) was reported sporadically from Northland to North Otago, but is more likely to be reported from low decile schools, as the following graph shows:

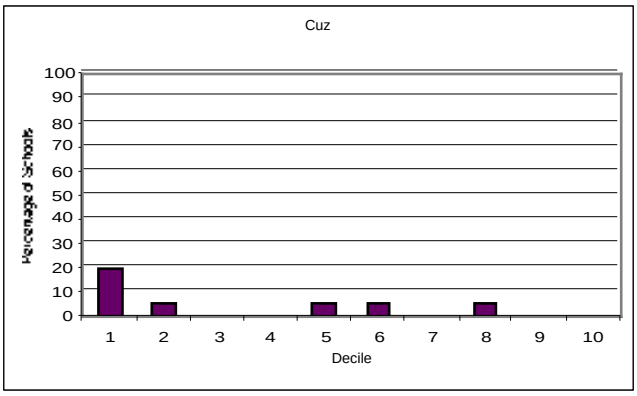


However, after the school visits, it appears that it has a stronghold in Northland, where it was known in all the schools visited, but was not known in many other places.
Girlfriend is dotted from Northland to mid Canterbury, and does not show any particular tendency to social patterning, either.

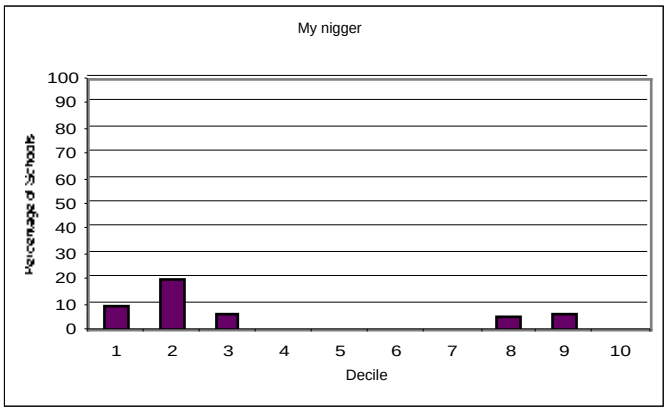
Yous was largely reported from the Northern Region, from Northland to the Bay of Plenty, but there was one isolated report from the West Coast of the South Island. Somewhat surprisingly, it is reported from high decile schools as much as from low decile ones:



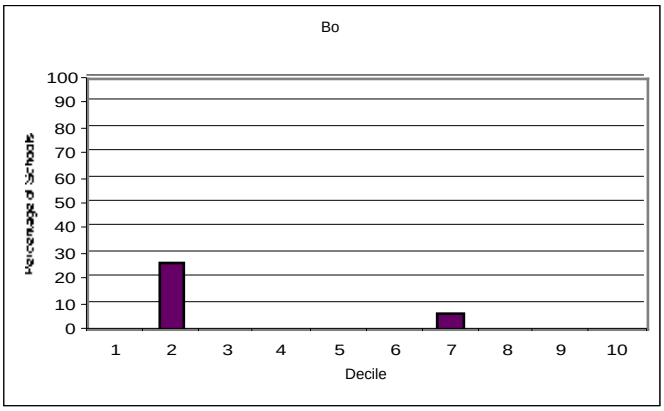
Cuz is reported from Northland to North Otago, but is predominantly found in the North Island, with only one occurrence in the South Island. Like several other address terms, it is largely a low decile form, but there are also high decile schools which report it:



My nigger is found exclusively in the Northern Region. It also shows the bi-modal distribution found with a number of address terms: it is principally a low-decile form, but is also reported from high decile schools, as the graph below shows.



You was reported from Northland to North Canterbury, and does not show any signs of social differentiation.
Bo was reported from the Northern Region, and from Hawkes Bay. It is another bi-modal form in terms of social distribution:



Dude was reported once in Auckland and twice in Canterbury. It may be a low-decile form, with reports from two decile 2 schools and one decile 4 school, but there is insufficient data to make this clear.
Dog was reported only twice, both from northern Hawkes Bay, from decile 1 and 2 schools.
The address-term data thus shows a complex inter-relationship between regional and social variation. It is also complicated by the bi-modal social distribution of a number of these terms, which is probably a genuine reflection of language behaviour in NZ.

Statistical Analysis

Many terms were too low in frequency to produce any statistically processable results. The analysis was confined to the terms *baby*, *bay*, *bo*, *bro*, *cuz*, *mate*, *my nigger*, *you fellas*, *you guys* and *yous*. Perhaps surprisingly in the light of the information above, none of these terms correlated with high decile. In terms of Main Regions, there were problems caused by the absence of many of these

terms from Southland-Otago, which is the basis of comparison in the statistical program. For this reason, the program returned the results that *baby*, *bay*, *cuz*, *yous* and *you fellas* were significantly more common in the Northern Region than the Southern Region (p-values all 0.0001), but did not produce a figure for the Central-Southern comparison for any of these. It was necessary to delete the Southern Region for these forms. The investigation of these terms in relation to Sub-regions was similarly affected by the absence of many of these terms from Southland-Otago. An attempt was made to consider the North Island sub-regions only, especially in relation to *bay*. In terms of Island, because a number of these terms were found exclusively in the North Island, the program failed to produce significant figures. These were *bay*, *bo*, *my nigger* and *you fellas*. The differences between the Islands for *baby*, *mate*, *cuz* and *you guys* and *yous* were not significant. None of these address terms correlated significantly with Catholicity.

Baby did not correlate significantly with any of the factors considered.
Bay was shown to correlate significantly with low decile (p-value 0.0237). It was shown to be more common in Ak, CNIs and HB-W than in S-O (p-value 0.0001), and more common in HB–W than in Wellington (p-value 0.0216). It is exclusively North Island. When the North Island only was considered, the figure for Decile was not significant. Thus Island to a substantial extent accounts for the low decile tendency of this form.
Bo was shown to correlate significantly with low decile (p-value 0.0442). It is exclusively North Island. Decile was not significant when the North Island alone was considered, so the low decile tendency is largely explained by its North Island correlation.
Bro was shown to correlate significantly with low decile (p-value 0.0001). *Bro* is nearly significantly more common in the Northern Region than the Southern Region (p-value 0.0573), but not more common in the Central than the Southern Region. A contrast statement comparing the Northern and Central Regions for *bro* was obtained, and this showed that *bro* is significantly more common in the Northern Region than the Central Region (p-value 0.0016). *Bro* was shown to be significantly a North Island form (p-value 0.0001). Thus the interactions between Decile, Main Region and Island need to be considered.
Firstly, the Main Region and Island interaction was considered. The statistics showed that *bro* is significantly distributed by Island when Main Region variation is taken into account: p-value 0.0119, but when Island variation is taken into account none of the Main Region contrasts for *bro* is significant. Thus Island is more important than Main Region in accounting for the variation with *bro*.
When the interaction between Main Region and Decile was investigated, Decile was shown to be more important than Main Region in accounting for the variation in *bro* (p-value 0.0009 for Decile when Main Region is taken into account. Only the Northern – Central Region contrast was significant when Decile is taken into account (p-value 0.0224); the Northern – Southern contrast remained almost significant (0.0553). The p-value for Decile is substantially lower than the p-values for Main Region.
When the interaction between Island and Decile was investigated, *bro* was shown to have significantly different decile distributions in the two Islands. It is low decile in both, but to rather different degrees: in the North Island, the p-value is 0.0457, but in the South Island, it is 0.0019. This shows just how complex the

interaction of these factors can be, and makes it a little difficult to rank the factors Island and decile in importance. However, when the differences between the Islands are ignored, the p-value for Island when Decile is taken into account is 0.0009, while the p-value for Decile when Island is taken into account is 0.0011. this suggests that Island is more important than Decile in accounting for *bro*. Thus the factors appear to be ranked Island, Decile, Main Region.
Cuz did not correlate significantly with any of the factors considered.
Mate did not correlate significantly with any of the factors considered. In particular, the difference between urban and rural for *mate* was not significant. However, *mate* was shown to differ significantly in the urban/rural distribution across the three Main Regions: it is rural rather than urban in all, but to different degrees: exclusively in the Southern Region, but with (non-significant) p-values 0.8237 in the Northern Region and 0.2770 in the Central Region. This tells us that the correlation of *mate* with rural schools decreases as one proceeds north across the country.
My nigger is found only in the Northern Region, and therefore only in the North Island. The Northern Region correlation completely accounts for the Island correlation.
You fellas was shown to correlate significantly with low decile (p-value 0.0289). It is found only in the North Island. The correlation with Decile was not significant when the North Island alone was considered, so the Island correlation largely explains the Decile correlation.
You guys was shown by a contrast statement to be more common in the Central Region than the Northern Region (p-value 0.0195), but the differences between these two regions and the Southern Region were not significant. *You guys* was shown to be significantly more likely in urban schools than in rural schools (p-value 0.0034).
The interaction of Main Region and the Urban/Rural factor was investigated, and showed that, for *you guys*, the Urban/rural factor is stronger than the Main Region factor. *You guys* is significantly urban when Mmain Region is taken into account (p-value 0.0067), but when Urban/Rural variation is taken into account, the figures for Main Region variation comparing the Northern and Southern and Central and Southern Regions are not significant, and the p-value for the comparison between the Northern and Central Regions (obtained through a contrast statement), while significant (0.0440), is higher than the p-value for urban/rural variation.
Yous is significantly more common in the Northern Region (p-value 0.0442) than the Central Region.

Comments on Data from School Visits

During the visits to schools, we tried to find out a little more about *buttice*, also spelt *buddas*, etc. It appears that its users are clear that it is a corruption of *brothers*. Perhaps *budders* thus represents the most suitable spelling. The schools where it was most used to judge from school visits were all in Northland, where all four schools visited reported it. It was known in the form *butters* in one Hawkes Bay school. Its direct relationship to the older form *buddy* is thus in some doubt.

Summary

Bro was shown to correlate significantly with the Northern Region (in contrast with the Central Region), with the North Island, and with low decile. The factors are ranked Island, Decile, Main Region.

You guys was shown to correlate significantly with the Central Region (in contrast with the Northern Region), and with the factor Urban. The Urban factor is more important than the regional factor in accounting for the distribution of this form.

Mate was shown not to correlate significantly with any of these factors.

You fellas was shown to correlate significantly with the North Island and with low decile. Since the correlation with North Island was absolute, that effect was inevitably stronger than the decile effect.

Bay was shown to be significantly regionalised to Hawkes Bay-Wairarapa when compared to Wellington, to be exclusively North Island, and to be low decile. Because it is exclusively North Island, that correlation is inevitably strongest.

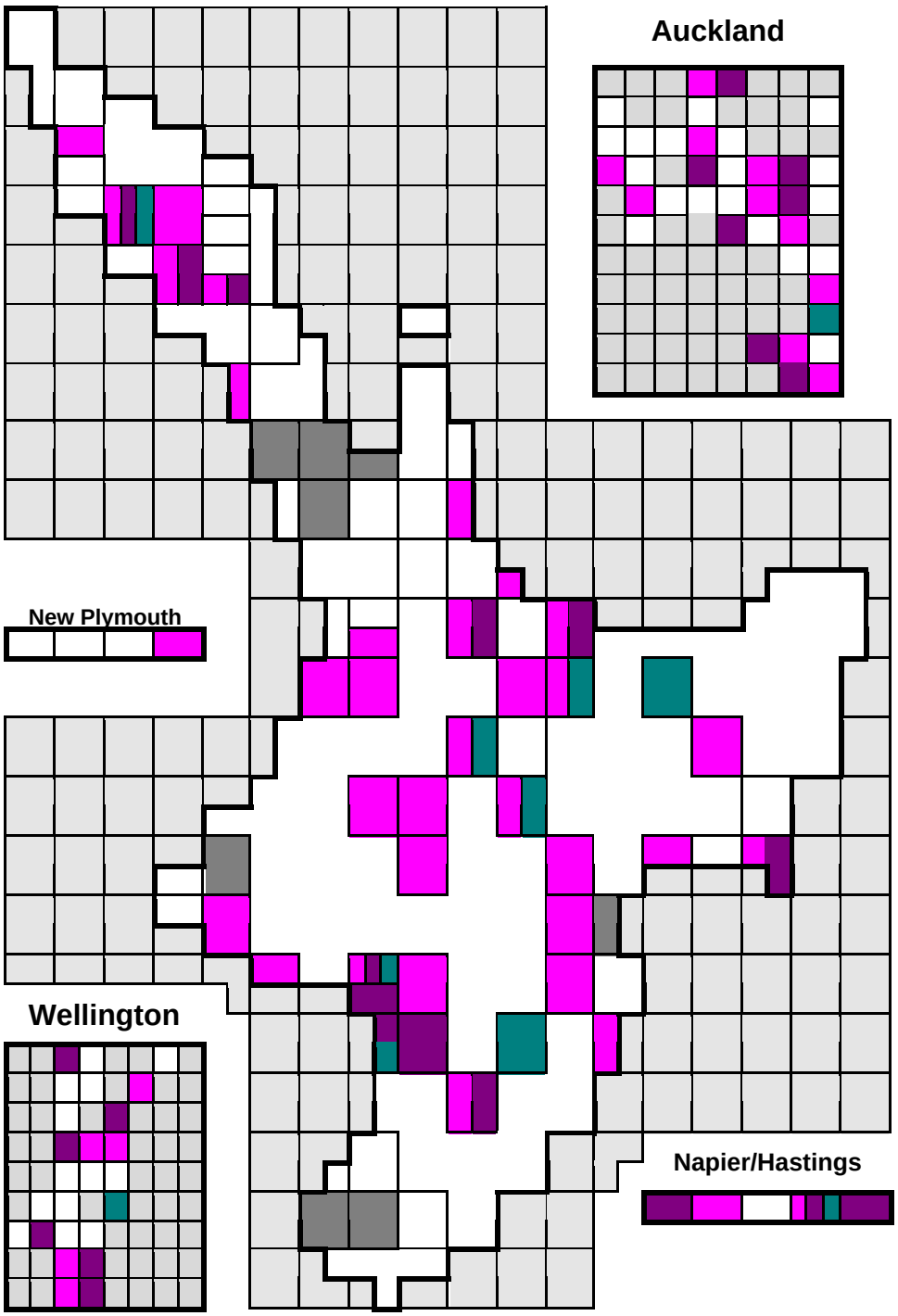
Yous was shown to correlate significantly with the Northern Region in comparison with the Central Region.

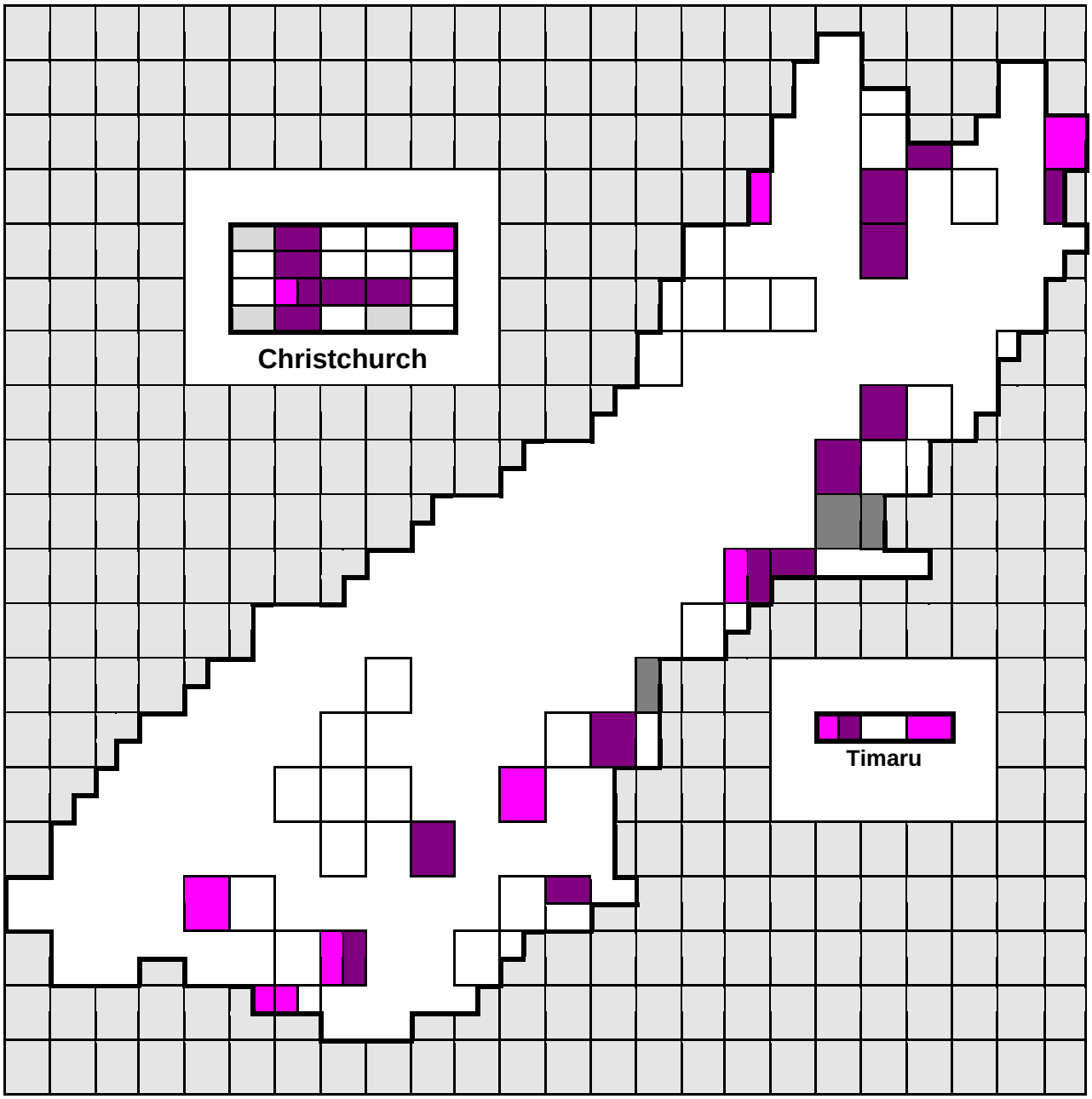
My nigger was shown to be exclusively North Island, and exclusively Northern. Since the Main Region distribution necessarily accounts for the Island distribution, the Main Region factor must be considered most important.

Bo was shown to correlate significantly with North Island and with low decile. Since the correlation with Island is absolute, it is inevitably stronger than Decile in determining the distribution of this form.

Baby and *cuz* were shown not to correlate significantly with any of these factors. The relevant maps follow.

Map 1: ***Bro, you guys, you fellas***

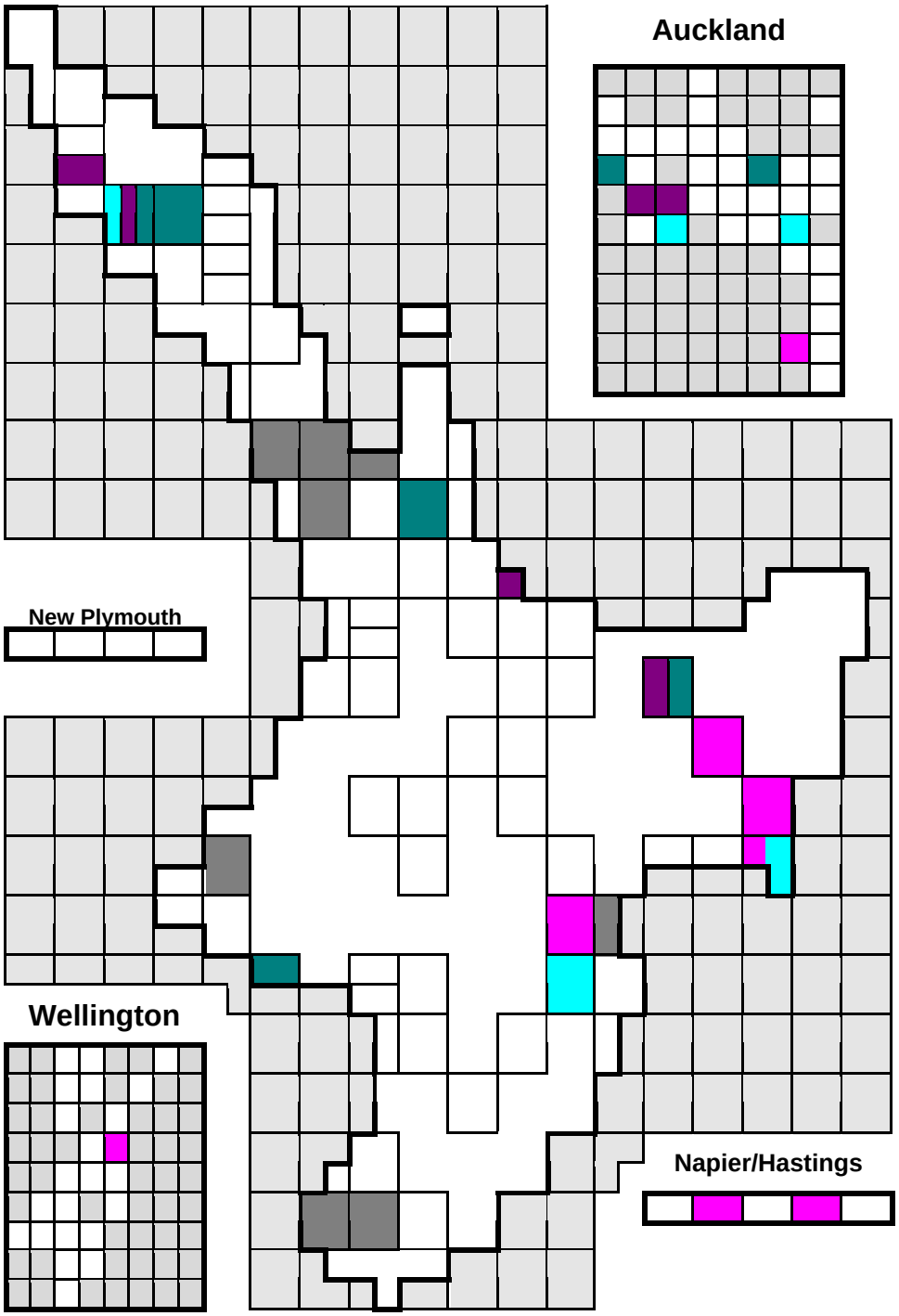


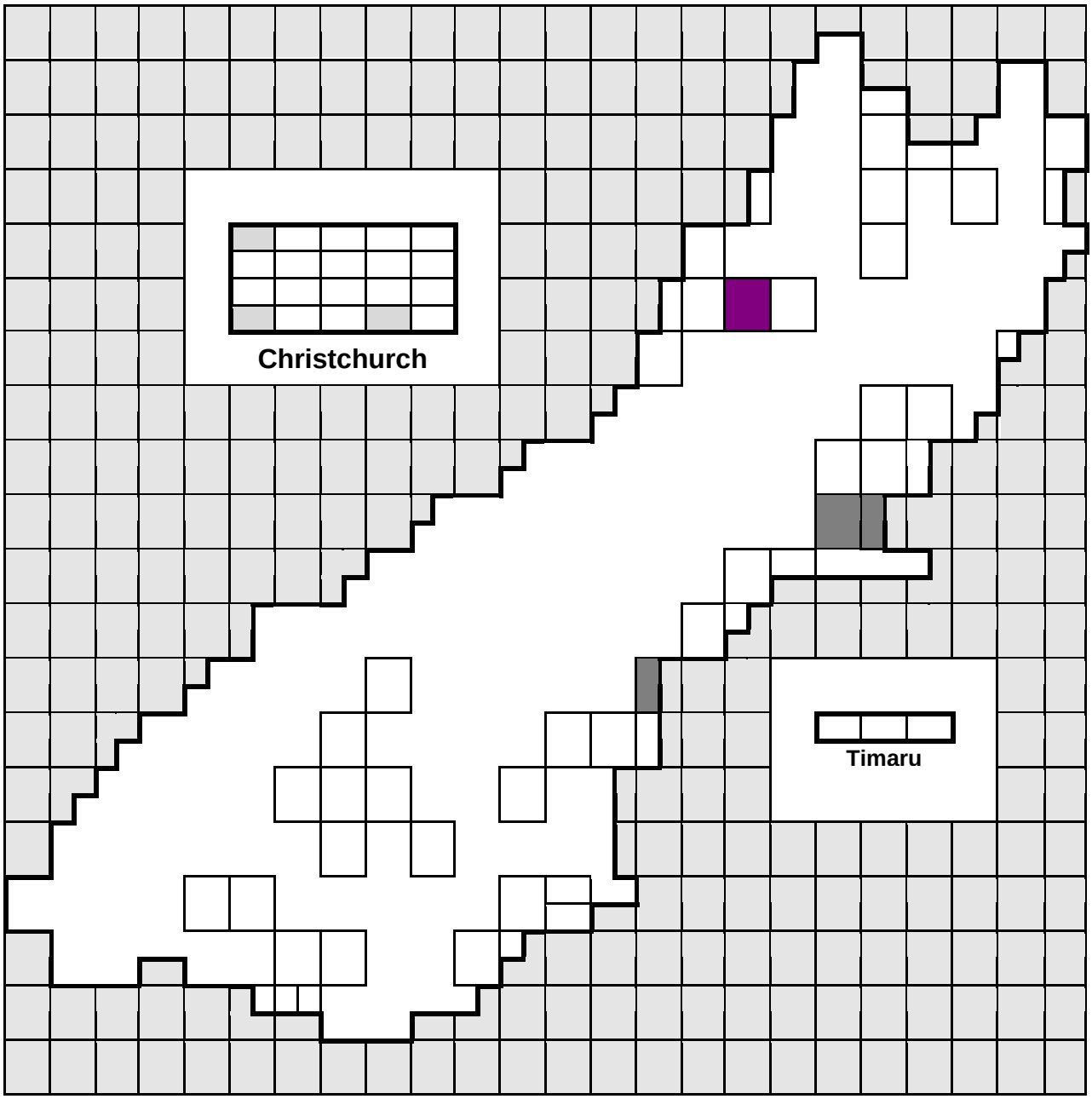


Key
Note that the insets are not to scale, nor all on the same scale for practical reasons. Each box represents one school in both urban and rural areas.

	bro		See urban map insert
	you guys		you fellas

Map 2: ***bay, yous, my nigger, bo***





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.

- yous
- See urban map insert
- bay
- bo
- my nigger

18aii Statistics: Terms of Address
Terms of Address 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	baby	-3.4393	0.8435	-5.0925	-1.7862	-4.078	0.0000
item	bay	-1.3495	0.6564	-2.6360	-0.0630	-2.056	0.0398
item	bo	-1.4419	0.8351	-3.0787	0.1949	-1.727	0.0842
item	bro	1.1332	0.4045	0.3403	1.9260	2.8013	0.0051
item	cuz	-1.8224	0.8043	-3.3987	-0.2461	-2.266	0.0235
item	mate	-1.4897	0.5025	-2.4745	-0.5049	-2.965	0.0030
item	my_nig	-1.6649	0.8318	-3.2952	-0.0345	-2.001	0.0453
item	ufellas	-1.2986	0.5781	-2.4316	-0.1655	-2.246	0.0247
item	uguys	-1.4723	0.4349	-2.3246	-0.6200	-3.386	0.0007
item	yous	-3.0790	0.9120	-4.8665	-1.2916	-3.376	0.0007
decile*item	baby	0.1118	0.1187	-0.1208	0.3445	0.9421	0.3462
decile*item	bay	-0.3247	0.1435	-0.6061	-0.0434	-2.262	**0.0237**
decile*item	bo	-0.4480	0.2226	-0.8843	-0.0117	-2.012	**0.0442**
decile*item	bro	-0.2646	0.0674	-0.3966	-0.1326	-3.928	**0.0001**
decile*item	cuz	-0.2823	0.1795	-0.6341	0.0695	-1.573	0.1157
decile*item	mate	-0.0387	0.0805	-0.1965	0.1190	-.4811	0.6304
decile*item	my_nig	-0.2804	0.1903	-0.6534	0.0926	-1.473	0.1406
decile*item	ufellas	-0.2490	0.1140	-0.4724	-0.0256	-2.185	**0.0289**
decile*item	uguys	0.1106	0.0652	-0.0172	0.2384	1.6957	0.0899
decile*item	yous	0.0106	0.1416	-0.2671	0.2882	0.0745	0.9406
scale	1.0003	.	.	.	.	.	

CONTRAST Statement Results for Main Region (main table follows)

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for bro	1	9.9883	**0.0016**	LR
1 -2 for mate	1	1.9704	0.1604	LR
1 -2 for uguys	1	5.4559	**0.0195**	LR

Terms of Address by Main Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-26.3654	0.4249	3849.9687	0.0001
item	bay	1	-26.3653	0.4249	3849.9473	0.0001
item	bo	1	-26.3653	0.7164	1354.6150	0.0001
item	bro	1	-0.9163	0.5916	2.3988	0.1214
item	cuz	1	-26.3653	0.5133	2637.9336	0.0001
item	mate	1	-2.5649	1.0377	6.1090	0.0134
item	my_nig	1	-26.3654	0.4316	3731.7677	0.0001
item	ufellas	1	-26.3653	0.4623	3252.8390	0.0001
item	uguys	1	-1.2993	0.6513	3.9792	0.0461
item	yous	1	-26.3656	1.0065	686.2314	0.0001
item*region1	baby, 1	1	23.4750	0.7297	1035.0645	**0.0001**
item*region1	baby, 2	0	23.8805	0.0000	.	.
item*region1	baby, 3	0	0.0000	0.0000	.	.
item*region1	bay, 1	1	23.0511	0.8359	760.4490	**0.0001**
item*region1	bay, 2	0	23.8804	0.0000	.	.
item*region1	bay, 3	0	0.0000	0.0000	.	.
item*region1	bo, 1	1	23.4750	0.9301	637.0730	**0.0001**
item*region1	bo, 2	0	22.7278	0.0000	.	.
item*region1	bo, 3	0	0.0000	0.0000	.	.
item*region1	bro, 1	1	1.2347	0.6496	3.6130	0.0573
item*region1	bro, 2	1	0.1054	0.6405	0.0271	0.8693
item*region1	bro, 3	0	0.0000	0.0000	.	.
item*region1	cuz, 1	1	23.0512	0.8841	679.7478	**0.0001**
item*region1	cuz, 2	0	23.4476	0.0000	.	.
item*region1	cuz, 3	0	0.0000	0.0000	.	.
item*region1	mate, 1	1	0.4249	1.1239	0.1429	0.7054
item*region1	mate, 2	1	1.1299	1.0768	1.1010	0.2940
item*region1	mate, 3	0	0.0000	0.0000	.	.
item*region1	my_nig, 1	0	24.2253	0.0000	.	.
item*region1	my_nig, 2	1	0.0001	60132.5783	0.0000	1.0000
item*region1	my_nig, 3	0	0.0000	0.0000	.	.
item*region1	ufellas, 1	1	24.2252	0.6324	1467.2493	**0.0001**
item*region1	ufellas, 2	0	23.6842	0.0000	.	.
item*region1	ufellas, 3	0	0.0000	0.0000	.	.
item*region1	uguys, 1	1	-0.0225	0.7279	0.0010	0.9754
item*region1	uguys, 2	1	0.8831	0.6912	1.6324	0.2014
item*region1	uguys, 3	0	0.0000	0.0000	.	.
item*region1	yous, 1	1	24.2255	1.0951	489.3638	**0.0001**
item*region1	yous, 2	0	22.0218	0.0000	.	.
item*region1	yous, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Sub-Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-26.3653	0.7500	1235.7863	0.0001
item	bay	1	-26.3653	1.0235	663.5342	0.0001
item	bo	1	-26.3653	0.7746	1158.5518	0.0001
item	bro	1	-0.9163	0.5916	2.3988	0.1214
item	cuz	1	-26.3654	1.0541	625.6220	0.0001
item	mate	1	-2.5649	1.0377	6.1090	0.0134
item	my_nig	1	-26.3654	0.7360	1283.3261	0.0001
item	ufellas	1	-26.3652	0.6213	1801.0015	0.0001
item	uguys	1	-1.2993	0.6513	3.9792	0.0461
item	yous	1	-26.3654	1.0954	579.2774	0.0001
item*region2	baby, 1	1	24.7559	1.3276	347.7182	**0.0001**
item*region2	baby, 2	1	-0.0000	216811.094	0.0000	1.0000
item*region2	baby, 3	1	23.4749	1.2720	340.5772	**0.0001**
item*region2	baby, 4	1	23.1464	1.2659	334.3261	**0.0001**
item*region2	baby, 5	1	23.9674	1.2858	347.4259	**0.0001**
item*region2	baby, 6	1	23.3208	1.2689	337.7758	**0.0001**
item*region2	baby, 7	1	25.1126	1.0979	523.1978	**0.0001**
item*region2	baby, 8	1	-0.0000	216811.094	0.0000	1.0000
item*region2	baby, 9	0	24.2859	0.0000	.	.
item*region2	baby, 10	1	-0.0000	167941.152	0.0000	1.0000
item*region2	baby, 11	0	0.0000	0.0000	.	.
item*region2	bay, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	bay, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	bay, 3	1	23.4750	1.4502	262.0201	**0.0001**
item*region2	bay, 4	1	23.1465	1.4449	256.6363	**0.0001**
item*region2	bay, 5	1	26.0289	1.1792	487.2445	**0.0001**
item*region2	bay, 6	0	23.3208	0.0000	.	.
item*region2	bay, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	bay, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	bay, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	bay, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	bay, 11	0	0.0000	0.0000	.	.
item*region2	bo, 1	1	24.7559	1.3416	340.4748	**0.0001**
item*region2	bo, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	bo, 3	1	24.2253	1.0765	506.4307	**0.0001**
item*region2	bo, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	bo, 5	0	24.7559	0.0000	.	.
item*region2	bo, 6	1	0.0000	113225.901	0.0000	1.0000
item*region2	bo, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	bo, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	bo, 9	1	0.0000	125175.944	0.0000	1.0000

item*region2	bo, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	bo, 11	0	0.0000	0.0000	.	.
item*region2	bro, 1	1	1.6094	1.0488	2.3548	0.1249
item*region2	bro, 2	1	-0.6931	1.2450	0.3100	0.5777
item*region2	bro, 3	1	1.2347	0.7523	2.6941	0.1007
item*region2	bro, 4	1	1.5523	0.7211	4.6344	**0.0313**
item*region2	bro, 5	1	1.6094	0.8515	3.5728	0.0587
item*region2	bro, 6	1	0.3567	0.7392	0.2328	0.6294
item*region2	bro, 7	1	-1.1632	1.2145	0.9172	0.3382
item*region2	bro, 8	1	-0.6931	1.2450	0.3100	0.5777
item*region2	bro, 9	1	-0.6931	0.8660	0.6406	0.4235
item*region2	bro, 10	1	0.0690	0.9090	0.0058	0.9395
item*region2	bro, 11	0	0.0000	0.0000	.	.
item*region2	cuz, 1	1	24.7560	1.5202	265.1793	**0.0001**
item*region2	cuz ,2	1	0.0001	216811.094	0.0000	1.0000
item*region2	cuz, 3	1	0.0001	121837.317	0.0000	1.0000
item*region2	cuz, 4	1	23.1465	1.4667	249.0632	**0.0001**
item*region2	cuz, 5	1	0.0001	153308.595	0.0000	1.0000
item*region2	cuz, 6	1	24.5196	1.2236	401.5899	**0.0001**
item*region2	cuz, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	cuz, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	cuz, 9	1	0.0001	125175.944	0.0000	1.0000
item*region2	cuz, 10	0	24.1682	0.0000	.	.
item*region2	cuz, 11	0	0.0000	0.0000	.	.
item*region2	mate, 1	1	0.9555	1.5089	0.4010	0.5266
item*region2	mate, 2	1	-23.8004	216811.094	0.0000	0.9999
item*region2	mate, 3	1	0.8910	1.2136	0.5390	0.4628
item*region2	mate, 4	1	0.0800	1.2722	0.0040	0.9498
item*region2	mate, 5	1	1.4663	1.2334	1.4133	0.2345
item*region2	mate, 6	1	0.2624	1.2755	0.0423	0.8370
item*region2	mate, 7	1	0.4855	1.4839	0.1071	0.7435
item*region2	mate, 8	1	0.9555	1.5089	0.4010	0.5266
item*region2	mate, 9	1	2.1130	1.1449	3.4063	0.0649
item*region2	mate, 10	1	0.3677	1.4792	0.0618	0.8037
item*region2	mate, 11	0	0.0000	0.0000	.	.
item*region2	my_nig, 1	1	25.6723	1.1365	510.2440	**0.0001**
item*region2	my_nig, 2	1	0.0001	216811.094	0.0000	1.0000
item*region2	my_nig, 3	1	24.2253	1.0490	533.2782	**0.0001**
item*region2	my_nig, 4	0	23.8805	0.0000	.	.
item*region2	my_nig, 5	1	0.0001	153308.595	0.0000	1.0000
item*region2	my_nig, 6	1	0.0001	113225.901	0.0000	1.0000
item*region2	my_nig, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	my_nig, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	my_nig, 9	1	0.0001	125175.944	0.0000	1.0000
item*region2	my_nig, 10	1	0.0001	167941.152	0.0000	1.0000

item*region2	my_nig, 11	0	0.0000	0.0000	.	.
item*region2	ufellas, 1	1	24.7558	1.2594	386.4193	**0.0001**
item*region2	ufellas, 2	1	-0.0001	216811.094	0.0000	1.0000
item*region2	ufellas, 3	1	23.4748	1.2006	382.2819	**0.0001**
item*region2	ufellas, 4	1	24.6604	0.8255	892.4570	**0.0001**
item*region2	ufellas, 5	1	23.9673	1.2153	388.9508	**0.0001**
item*region2	ufellas, 6	0	24.5194	0.0000	.	.
item*region2	ufellas, 7	1	-0.0001	177025.517	0.0000	1.0000
item*region2	ufellas, 8	1	-0.0001	216811.094	0.0000	1.0000
item*region2	ufellas, 9	1	-0.0001	125175.944	0.0000	1.0000
item*region2	ufellas, 10	1	-0.0001	167941.152	0.0000	1.0000
item*region2	ufellas, 11	0	0.0000	0.0000	.	.
item*region2	uguys, 1	1	0.6061	1.0836	0.3129	0.5759
item*region2	uguys, 2	1	-0.3102	1.2745	0.0592	0.8077
item*region2	uguys, 3	1	0.7603	0.8065	0.8887	0.3458
item*region2	uguys, 4	1	-1.1856	0.9828	1.4553	0.2277
item*region2	uguys, 5	1	0.6061	0.8940	0.4597	0.4978
item*region2	uguys, 6	1	1.2993	0.7785	2.7854	0.0951
item*region2	uguys, 7	1	1.0761	0.9350	1.3247	0.2498
item*region2	uguys, 8	1	-25.0660	216811.094	0.0000	0.9999
item*region2	uguys, 9	1	1.5224	0.8058	3.5700	0.0588
item*region2	uguys, 10	1	-0.0870	1.0243	0.0072	0.9323
item*region2	uguys, 11	0	0.0000	0.0000	.	.
item*region2	yous, 1	1	25.6722	1.3964	337.9811	**0.0001**
item*region2	yous, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	yous, 3	1	24.2253	1.3262	333.6693	**0.0001**
item*region2	yous, 4	1	23.8805	1.3197	327.4316	**0.0001**
item*region2	yous, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	yous, 6	1	0.0000	113225.901	0.0000	1.0000
item*region2	yous, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	yous, 8	0	24.7559	0.0000	.	.
item*region2	yous, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	yous, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	yous, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Island

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-2.5840	0.5185	24.8339	0.0001
item	bay	1	-26.3653	0.3698	5082.6825	0.0001
item	bo	1	-26.3653	0.4597	3288.7946	0.0001
item	bro	1	-1.3218	0.3249	16.5509	0.0001
item	cuz	1	-4.0254	1.0089	15.9192	0.0001
item	mate	1	-1.4307	0.3356	18.1719	0.0001
item	my_nig	1	-26.3653	0.3930	4499.6684	0.0001
item	ufellas	1	-26.3654	0.3211	6742.0752	0.0001
item	uguys	1	-0.6931	0.2810	6.0857	0.0136
item	yous	1	-4.0254	1.0089	15.9192	0.0001
item*island	baby, 1	1	-0.2839	0.6930	0.1678	0.6820
item*island	baby, 2	0	0.0000	0.0000	.	.
item*island	bay, 1	0	24.0021	0.0000	.	.
item*island	bay, 2	0	0.0000	0.0000	.	.
item*island	bo, 1	0	23.4974	0.0000	.	.
item*island	bo, 2	0	0.0000	0.0000	.	.
item*island	bro, 1	1	1.4726	0.3858	14.5721	**0.0001**
item*island	bro, 2	0	0.0000	0.0000	.	.
item*island	cuz, 1	1	1.1575	1.1087	1.0899	0.2965
item*island	cuz, 2	0	0.0000	0.0000	.	.
item*island	mate, 1	1	-0.4788	0.4564	1.1004	0.2942
item*island	mate, 2	0	0.0000	0.0000	.	.
item*island	my_nig, 1	0	23.8569	0.0000	.	.
item*island	my_nig, 2	0	0.0000	0.0000	.	.
item*island	ufellas, 1	0	24.3566	0.0000	.	.
item*island	ufellas, 2	0	0.0000	0.0000	.	.
item*island	uguys, 1	1	-0.2007	0.3621	0.3071	0.5795
item*island	uguys, 2	0	0.0000	0.0000	.	.
item*island	yous, 1	1	1.3512	1.0936	1.5265	0.2166
item*island	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

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Terms of Address by Catholic

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-1.9459	0.7559	6.6265	0.0100
item	bay	1	-2.7081	1.0328	6.8752	0.0087
item	bo	1	-25.3653	0.5078	2495.0141	0.0001
item	bro	1	-0.5108	0.5164	0.9785	0.3226
item	cuz	1	-25.3653	0.4179	3683.5874	0.0001
item	mate	1	-25.3653	0.2296	12200.0585	0.0001
item	my_nig	1	-25.3653	0.3885	4263.1341	0.0001
item	ufellas	1	-1.9459	0.7559	6.6265	0.0100
item	uguys	1	-0.7885	0.5394	2.1370	0.1438
item	yous	1	-2.7081	1.0328	6.8752	0.0087
item*catholic	baby, 1	1	-0.9285	0.8499	1.1934	0.2746
item*catholic	baby, 2	0	0.0000	0.0000	.	.
item*catholic	bay, 1	1	-0.1663	1.1034	0.0227	0.8802
item*catholic	bay, 2	0	0.0000	0.0000	.	.
item*catholic	bo, 1	0	21.9074	0.0000	.	.
item*catholic	bo, 2	0	0.0000	0.0000	.	.
item*catholic	bro, 1	1	0.1874	0.5459	0.1179	0.7313
item*catholic	bro, 2	0	0.0000	0.0000	.	.
item*catholic	cuz, 1	0	22.3288	0.0000	.	.
item*catholic	cuz, 2	0	0.0000	0.0000	.	.
item*catholic	mate, 1	0	23.8187	0.0000	.	.
item*catholic	mate, 2	0	0.0000	0.0000	.	.
item*catholic	my_nig, 1	0	22.4909	0.0000	.	.
item*catholic	my_nig, 2	0	0.0000	0.0000	.	.
item*catholic	ufellas, 1	1	-0.6609	0.8311	0.6323	0.4265
item*catholic	ufellas, 2	0	0.0000	0.0000	.	.
item*catholic	uguys, 1	1	-0.0335	0.5718	0.0034	0.9532
item*catholic	uguys, 2	0	0.0000	0.0000	.	.
item*catholic	yous, 1	1	-0.3285	1.1142	0.0869	0.7681
item*catholic	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address 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	baby	-3.3499	0.7194	-4.7599	-1.9399	-4.656	0.0000
item	bay	-2.6210	0.5179	-3.6360	-1.6060	-5.061	0.0000
item	bo	-3.3499	0.7194	-4.7599	-1.9399	-4.656	0.0000
item	bro	-0.3075	0.2635	-0.8239	0.2089	-1.167	0.2432
item	cuz	-4.0604	1.0086	-6.0372	-2.0837	-4.026	0.0001
item	mate	-2.0053	0.4026	-2.7944	-1.2162	-4.981	0.0000
item	my_nig	-3.3499	0.7194	-4.7599	-1.9399	-4.656	0.0000
item	ufellas	-2.6210	0.5179	-3.6360	-1.6060	-5.061	0.0000
item	uguys	-0.2384	0.2622	-0.7524	0.2756	-.9092	0.3633
item	yous	-3.3499	0.7194	-4.7599	-1.9399	-4.656	0.0000
item*urb_rur	baby, 1	0.9264	0.8204	-0.6816	2.5343	1.1292	0.2588
item*urb_rur	baby, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	bay, 1	-0.3994	0.7283	-1.8268	1.0280	-.5484	0.5834
item*urb_rur	bay, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	bo, 1	0.0297	0.9289	-1.7910	1.8504	0.0319	0.9745
item*urb_rur	bo, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	bro, 1	0.0266	0.3418	-0.6434	0.6966	0.0778	0.9380
item*urb_rur	bro, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	cuz, 1	1.2754	1.1089	-0.8979	3.4488	1.1502	0.2501
item*urb_rur	cuz, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	mate, 1	0.5294	0.4887	-0.4285	1.4874	1.0832	0.2787
item*urb_rur	mate, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	my_nig, 1	0.5649	0.8543	-1.1096	2.2394	0.6612	0.5085
item*urb_rur	my_nig, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	ufellas, 1	0.1975	0.6509	-1.0783	1.4733	0.3034	0.7616
item*urb_rur	ufellas, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	uguys, 1	-1.0907	0.3729	-1.8215	-0.3599	-2.925	**0.0034**
item*urb_rur	uguys, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	yous, 1	0.5649	0.8543	-1.1096	2.2394	0.6612	0.5085
item*urb_rur	yous, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Terms of Address by Main Region and Island, 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	baby	1	-27.3655	0.5250	2716.8268	0.0001
item	bay	1	-27.3653	0.4485	3722.9120	0.0001
item	bo	1	-27.3653	0.7282	1412.1363	0.0001
item	bro	1	-0.9163	0.5916	2.3988	0.1214
item	cuz	1	-27.3653	1.0118	731.4442	0.0001
item	mate	1	-2.5649	1.0377	6.1090	0.0134
item	my_nig	1	-27.3652	0.4316	4020.1786	0.0001
item	ufellas	1	-27.3653	0.4830	3209.4052	0.0001
item	uguys	1	-1.2993	0.6513	3.9792	0.0461
item	yous	1	-27.3648	1.0118	731.4151	0.0001
item*region1	baby, 1	1	25.0012	0.9392	708.5599	**0.0001**
item*region1	baby, 2	0	25.0882	0.0000	.	.
item*region1	baby, 3	0	0.0000	0.0000	.	.
item*region1	bay, 1	1	-1.7386	0.8481	4.2022	**0.0404**
item*region1	bay, 2	0	0.0000	0.0000	.	.
item*region1	bay, 3	0	0.0000	0.0000	.	.
item*region1	bo, 1	1	-0.0870	0.9392	0.0086	0.9262
item*region1	bo, 2	0	-0.0000	0.0000	.	.
item*region1	bo, 3	0	0.0000	0.0000	.	.
item*region1	bro, 1	1	-0.0693	0.8311	0.0070	0.9335
item*region1	bro, 2	1	-0.5596	0.7096	0.6219	0.4303
item*region1	bro, 3	0	0.0000	0.0000	.	.
item*region1	cuz, 1	1	22.6806	0.9396	582.7236	**0.0001**
item*region1	cuz, 2	0	23.6276	0.0000	.	.
item*region1	cuz, 3	0	0.0000	0.0000	.	.
item*region1	mate, 1	1	1.0227	1.2755	0.6429	0.4226
item*region1	mate, 2	1	1.3710	1.0987	1.5571	0.2121
item*region1	mate, 3	0	0.0000	0.0000	.	.
item*region1	my_nig, 1	0	25.2252	0.0000	.	.
item*region1	my_nig, 2	1	-0.0001	99141.8608	0.0000	1.0000
item*region1	my_nig, 3	0	0.0000	0.0000	.	.
item*region1	ufellas, 1	1	-0.3483	0.6478	0.2891	0.5908
item*region1	ufellas, 2	0	0.0000	0.0000	.	.
item*region1	ufellas, 3	0	0.0000	0.0000	.	.
item*region1	uguys, 1	1	-0.2580	0.8637	0.0893	0.7651
item*region1	uguys, 2	1	0.7760	0.7237	1.1498	0.2836
item*region1	uguys, 3	0	0.0000	0.0000	.	.
item*region1	yous, 1	1	48.8523	1.1000	1972.2168	**0.0001**
item*region1	yous, 2	0	23.6271	0.0000	.	.
item*region1	yous, 3	0	0.0000	0.0000	.	.

item*island	baby, 1	1	-0.5261	0.8977	0.3434	0.5579
item*island	baby, 2	0	0.0000	0.0000	.	.
item*island	bay, 1	0	25.7898	0.0000	.	.
item*island	bay, 2	0	0.0000	0.0000	.	.
item*island	bo, 1	0	24.5620	0.0000	.	.
item*island	bo, 2	0	0.0000	0.0000	.	.
item*island	bro, 1	1	1.3041	0.5184	6.3288	**0.0119**
item*island	bro, 2	0	0.0000	0.0000	.	.
item*island	cuz, 1	1	1.3705	1.1783	1.3529	0.2448
item*island	cuz, 2	0	0.0000	0.0000	.	.
item*island	mate, 1	1	-0.5978	0.6030	0.9829	0.3215
item*island	mate, 2	0	0.0000	0.0000	.	.
item*island	my_nig,1	0	0.0000	0.0000	.	.
item*island	my_nig, 2	0	0.0000	0.0000	.	.
item*island	ufellas, 1	0	25.5736	0.0000	.	.
item*island	ufellas, 2	0	0.0000	0.0000	.	.
item*island	uguys, 1	1	0.2356	0.4650	0.2567	0.6124
item*island	uguys, 2	0	0.0000	0.0000	.	.
item*island	yous, 1	0	-23.6276	0.0000	.	.
item*island	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address 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	baby	1	-26.9632	1.0330	681.2957	0.0001
item	bay	1	-24.4697	0.8371	854.4626	0.0001
item	bo	1	-24.3540	1.1214	471.6707	0.0001
item	bro	1	0.3253	0.7097	0.2102	0.6466
item	cuz	1	-24.7562	0.9524	675.6720	0.0001
item	mate	1	-2.2722	1.1423	3.9563	0.0467
item	my_nig	1	-25.7172	0.8375	943.0320	0.0001
item	ufellas	1	-25.1145	0.7950	998.0644	0.0001
item	uguys	1	-1.7490	0.7778	5.0558	0.0245
item	yous	1	-27.0454	1.4668	339.9929	0.0001
item*region1	baby, 1	1	23.5565	0.7560	970.8874	**0.0001**
item*region1	baby, 2	0	23.8160	0.0000	.	.
item*region1	baby, 3	0	0.0000	0.0000	.	.
item*region1	bay, 1	1	22.6929	0.8887	652.0619	**0.0001**
item*region1	bay, 2	0	24.1601	0.0000	.	.
item*region1	bay, 3	0	0.0000	0.0000	.	.
item*region1	bo, 1	1	23.1204	0.9759	561.2357	**0.0001**
item*region1	bo, 2	0	22.9590	0.0000	.	.

item*region1	bo, 3	0	0.0000	0.0000	.	.
item*region1	bro, 1	1	1.1453	0.6777	2.8556	0.0911
item*region1	bro, 2	1	0.2745	0.6700	0.1678	0.6820
item*region1	bro, 3	0	0.0000	0.0000	.	.
item*region1	cuz, 1	1	22.7531	0.9293	599.4289	**0.0001**
item*region1	cuz, 2	0	23.6502	0.0000	.	.
item*region1	cuz, 3	0	0.0000	0.0000	.	.
item*region1	mate, 1	1	0.3808	1.1270	0.1142	0.7355
item*region1	mate, 2	1	1.1673	1.0798	1.1686	0.2797
item*region1	mate, 3	0	0.0000	0.0000	.	.
item*region1	my_nig, 1	0	24.1244	0.0000	.	.
item*region1	my_nig, 2	1	0.0830	59775.6516	0.0000	1.0000
item*region1	my_nig, 3	0	0.0000	0.0000	.	.
item*region1	ufellas, 1	1	24.0228	0.6648	1305.6695	**0.0001**
item*region1	ufellas, 2	0	23.8379	0.0000	.	.
item*region1	ufellas, 3	0	0.0000	0.0000	.	.
item*region1	uguys, 1	1	0.0443	0.7331	0.0037	0.9518
item*region1	uguys, 2	1	0.8426	0.6944	1.4724	0.2250
item*region1	uguys, 3	0	0.0000	0.0000	.	.
item*region1	yous, 1	1	24.3224	1.1217	470.1983	**0.0001**
item*region1	yous, 2	0	21.9445	0.0000	.	.
item*region1	yous, 3	0	0.0000	0.0000	.	.
decile*item	baby	1	0.0986	0.1347	0.5361	0.4640
decile*item	bay	1	-0.4140	0.1687	6.0218	**0.0141**
decile*item	bo	1	-0.4516	0.2324	3.7749	0.0520
decile*item	bro	1	-0.2292	0.0691	10.9985	**0.0009**
decile*item	cuz	1	-0.3362	0.1806	3.4647	0.0627
decile*item	mate	1	-0.0522	0.0876	0.3548	0.5514
decile*item	my_nig	1	-0.1196	0.1687	0.5030	0.4782
decile*item	ufellas	1	-0.2471	0.1298	3.6264	0.0569
decile*item	uguys	1	0.0755	0.0688	1.2034	0.2726
decile*item	yous	1	0.1114	0.1494	0.5563	0.4558
scale	0	1.00	0.00	.	.	

Terms of Address by Island and Decile, Model 1

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-5.0074	2.2188	5.0931	0.0240
item	bay	1	-26.3654	0.6810	1498.9080	0.0001
item	bo	1	-26.3654	0.8254	1020.2197	0.0001
item	bro	1	1.8929	1.0015	3.5721	0.0588
item	cuz	1	-3.4590	2.6614	1.6891	0.1937
item	mate	1	-0.6078	0.9083	0.4478	0.5034
item	my_nig	1	-26.3654	0.7271	1314.8831	0.0001

item	ufellas	1	-26.3655	0.6094	1871.6219	0.0001
item	uguys	1	-1.2471	0.8496	2.1548	0.1421
item	yous	1	-2.5330	2.3216	1.1903	0.2753
item*island	baby, 1	1	2.0722	2.4237	0.7310	0.3925
item*island	baby, 2	0	0.0000	0.0000	.	.
item*island	bay, 1	0	25.1183	0.0000	.	.
item*island	bay, 2	0	0.0000	0.0000	.	.
item*island	bo, 1	0	24.9963	0.0000	.	.
item*island	bo, 2	0	0.0000	0.0000	.	.
item*island	bro, 1	1	-0.9409	1.1006	0.7309	0.3926
item*island	bro, 2	0	0.0000	0.0000	.	.
item*island	cuz, 1	1	1.8085	2.7873	0.4210	0.5164
item*island	cuz, 2	0	0.0000	0.0000	.	.
item*island	mate, 1	1	-1.2039	1.1103	1.1759	0.2782
item*island	mate, 2	0	0.0000	0.0000	.	.
item*island	my_nig, 1	0	24.8030	0.0000	.	.
item*island	my_nig, 2	0	0.0000	0.0000	.	.
item*island	ufellas, 1	0	25.1957	0.0000	.	.
item*island	ufellas, 2	0	0.0000	0.0000	.	.
item*island	uguys, 1	1	-0.3079	0.9945	0.0958	0.7569
item*island	uguys, 2	0	0.0000	0.0000	.	.
item*island	yous, 1	1	-0.6489	2.5184	0.0664	0.7967
item*island	yous, 2	0	0.0000	0.0000	.	.
decile*item	baby	1	0.3335	0.2726	1.4966	0.2212
decile*item	bay	1	0.0000	0.1510	0.0000	0.9999
decile*item	bo	1	0.0000	0.2191	0.0000	1.0000
decile*item	bro	1	-0.5612	0.1808	9.6334	**0.0019**
decile*item	cuz	1	-0.0903	0.4097	0.0486	0.8255
decile*item	mate	1	-0.1307	0.1388	0.8860	0.3466
decile*item	my_nig	1	0.0000	0.1537	0.0000	0.9999
decile*item	ufellas	1	0.0000	0.1216	0.0000	0.9999
decile*item	uguys	1	0.0838	0.1198	0.4900	0.4839
decile*item	yous	1	-0.2581	0.4149	0.3869	0.5339
dec*item*island	baby, 1	1	-0.3209	0.3158	1.0326	0.3096
dec*item*island	baby, 2	0	0.0000	0.0000	.	.
dec*item*island	bay, 1	0	-0.2484	0.0000	.	.
dec*item*island	bay, 2	0	0.0000	0.0000	.	.
dec*item*island	bo, 1	0	-0.3663	0.0000	.	.
dec*item*island	bo, 2	0	0.0000	0.0000	.	.
dec*item*island	bro, 1	1	0.4113	0.1958	4.4139	**0.0356**
dec*item*island	bro, 2	0	0.0000	0.0000	.	.
dec*item*island	cuz, 1	1	-0.1904	0.4543	0.1756	0.6752
dec*item*island	cuz, 2	0	0.0000	0.0000	.	.
dec*item*island	mate, 1	1	0.1120	0.1757	0.4066	0.5237

dec*item*island	mate, 2	0	0.0000	0.0000	.	.
dec*item*island	my_nig, 1	0	-0.2053	0.0000	.	.
dec*item*island	my_nig, 2	0	0.0000	0.0000	.	.
dec*item*island	ufellas, 1	0	-0.1764	0.0000	.	.
dec*item*island	ufellas, 2	0	0.0000	0.0000	.	.
dec*item*island	uguys, 1	1	0.0362	0.1446	0.0628	0.8021
dec*item*island	uguys, 2	0	0.0000	0.0000	.	.
dec*item*island	yous, 1	1	0.3483	0.4405	0.6254	0.4291
dec*item*island	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Island and Decile, Model 2

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-3.3131	1.0643	9.6906	0.0019
item	bay	1	-24.8845	0.6810	1335.2560	0.0001
item	bo	1	-24.2901	0.8254	865.9352	0.0001
item	bro	1	0.0986	0.5197	0.0360	0.8495
item	cuz	1	-2.5927	1.3382	3.7539	0.0527
item	mate	1	-1.0382	0.6365	2.6605	0.1029
item	my_nig	1	-25.1204	0.7271	1193.6305	0.0001
item	ufellas	1	-25.2826	0.6094	1721.0415	0.0001
item	uguys	1	-1.4149	0.5336	7.0318	0.0080
item	yous	1	-4.3660	1.3817	9.9852	0.0016
item*island	baby, 1	1	-0.1671	0.7056	0.0561	0.8128
item*island	baby, 2	0	0.0000	0.0000	.	.
item*island	bay, 1	0	23.6375	0.0000	.	.
item*island	bay, 2	0	0.0000	0.0000	.	.
item*island	bo, 1	0	22.9211	0.0000	.	.
item*island	bo, 2	0	0.0000	0.0000	.	.
item*island	bro, 1	1	1.2899	0.4001	10.3961	**0.0013**
item*island	bro, 2	0	0.0000	0.0000	.	.
item*island	cuz, 1	1	0.8192	1.1409	0.5155	0.4728
item*island	cuz, 2	0	0.0000	0.0000	.	.
item*island	mate, 1	1	-0.5586	0.4723	1.3987	0.2369
item*island	mate, 2	0	0.0000	0.0000	.	.
item*island	my_nig, 1	0	23.5580	0.0000	.	.
item*island	my_nig, 2	0	0.0000	0.0000	.	.
item*island	ufellas, 1	0	24.1129	0.0000	.	.
item*island	ufellas, 2	0	0.0000	0.0000	.	.
item*island	uguys, 1	1	-0.0761	0.3721	0.0418	0.8379
item*island	uguys, 2	0	0.0000	0.0000	.	.
item*island	yous, 1	1	1.4115	1.1051	1.6315	0.2015

item*island	yous, 2	0	0.0000	0.0000	.	.
decile*item	baby	1	0.1074	0.1320	0.6625	0.4157
decile*item	bay	1	-0.2484	0.1510	2.7067	0.0999
decile*item	bo	1	-0.3663	0.2191	2.7964	0.0945
decile*item	bro	1	-0.2308	0.0686	11.3105	0.0008
decile*item	cuz	1	-0.2463	0.1715	2.0625	0.1510
decile*item	mate	1	-0.0612	0.0857	0.5098	0.4752
decile*item	my_nig	1	-0.2053	0.1537	1.7841	0.1816
decile*item	ufellas	1	-0.1764	0.1216	2.1036	0.1470
decile*item	uguys	1	0.1088	0.0671	2.6296	0.1049
decile*item	yous	1	0.0511	0.1387	0.1357	0.7126
scale	0	1.00	0.0000	.	.	

Terms of Address by Decile in North Island only

Analysis Of GEE Parameter Estimates – Empirical 95% Confidence Limits

parameter		Est.	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	baby	-2.9360	0.9034	-4.7067	-1.1654	-3.250	0.0012
item	bay	-1.2465	0.6420	-2.5049	0.0119	-1.941	0.0522
item	bo	-1.3744	0.8125	-2.9668	0.2180	-1.692	0.0907
item	bro	0.9535	0.4600	0.0520	1.8550	2.0731	0.0382
item	cuz	-1.6518	0.8933	-3.4028	0.0991	-1.849	0.0644
item	mate	-1.8117	0.6493	-3.0844	-0.5391	-2.790	0.0053
item	my_nig	-1.5614	0.8042	-3.1377	0.0148	-1.942	0.0522
item	ufellas	-1.1682	0.5669	-2.2793	-0.0571	-2.061	0.0393
item	uguys	-1.5552	0.5191	-2.5727	-0.5377	-2.996	0.0027
item	yous	-3.1857	1.0166	-5.1782	-1.1932	-3.134	0.0017
decile*item	baby	0.0128	0.1438	-0.2690	0.2945	0.0887	0.9293
decile*item	bay	-0.2484	0.1357	-0.5144	0.0176	-1.830	0.0673
decile*item	bo	-0.3644	0.2110	-0.7780	0.0491	-1.727	0.0841
decile*item	bro	-0.1502	0.0752	-0.2977	-0.0028	-1.998	**0.0457**
decile*item	cuz	-0.2802	0.2226	-0.7165	0.1562	-1.258	0.2082
decile*item	mate	-0.0186	0.1100	-0.2342	0.1969	-.1695	0.8654
decile*item	my_nig	-0.2055	0.1797	-0.5577	0.1468	-1.143	0.2529
decile*item	ufellas	-0.1767	0.1081	-0.3886	0.0353	-1.634	0.1023
decile*item	uguys	0.1201	0.0815	-0.0396	0.2798	1.4737	0.1406
decile*item	yous	0.0909	0.1551	-0.2131	0.3949	0.5860	0.5579
scale	0.9999	.	.	.	.	.	

Terms of Address by Decile in South Island only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-5.0074	2.2188	5.0931	0.0240
item	bay	1	-27.3653	336070.424	0.0000	0.9999

item	bo	1	-27.3653	336070.424	0.0000	0.9999
item	bro	1	1.8929	1.0015	3.5721	0.0588
item	cuz	1	-3.4590	2.6614	1.6891	0.1937
item	mate	1	-0.6078	0.9083	0.4478	0.5034
item	my_nig	1	-27.3653	336070.424	0.0000	0.9999
item	ufellas	1	-27.3653	336070.424	0.0000	0.9999
item	uguys	1	-1.2471	0.8496	2.1548	0.1421
item	yous	1	-2.5330	2.3216	1.1903	0.2753
decile*item	baby	1	0.3335	0.2726	1.4966	0.2212
decile*item	bay	1	-0.0000	48331.2597	0.0000	1.0000
decile*item	bo	1	-0.0000	48331.2597	0.0000	1.0000
decile*item	bro	1	-0.5612	0.1808	9.6334	**0.0019**
decile*item	cuz	1	-0.0903	0.4097	0.0486	0.8255
decile*item	mate	1	-0.1307	0.1388	0.8860	0.3466
decile*item	my_nig	1	-0.0000	48331.2597	0.0000	1.0000
decile*item	ufellas	1	-0.0000	48331.2597	0.0000	1.0000
decile*item	uguys	1	0.0838	0.1198	0.4900	0.4839
decile*item	yous	1	-0.2581	0.4149	0.3869	0.5339
scale	0	1.00	0.0000	.	.	

Terms of Address 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	baby	1	-25.3653	1.0150	624.4756	0.0001
item	bay	1	-25.3652	0.6046	1759.8744	0.0001
item	bo	1	-25.3651	1.4520	305.1614	0.0001
item	bro	1	-1.0986	1.1547	0.9052	0.3414
item	cuz	1	-25.3653	1.0150	624.4747	0.0001
item	mate	1	-25.3653	1.2161	435.0429	0.0001
item	my_nig	1	-25.3651	0.7434	1164.2285	0.0001
item	ufellas	1	-25.3656	0.6046	1759.9232	0.0001
item	uguys	1	-1.0986	1.1547	0.9052	0.3414
item	yous	1	-25.3652	1.3640	345.8126	0.0001
item*rg1	baby, 1	1	22.3696	1.4423	240.5410	**0.0001**
item*rg1	baby, 2	0	21.8688	0.0000	.	.
item*rg1	baby, 3	0	0.0000	0.0000	.	.
item*rg1	bay, 1	1	22.3695	1.1898	353.4879	**0.0001**
item*rg1	bay, 2	0	23.0299	0.0000	.	.
item*rg1	bay, 3	0	0.0000	0.0000	.	.
item*rg1	bo, 1	1	23.1138	1.2473	343.4082	**0.0001**
item*rg1	bo, 2	0	-0.0002	0.0000	.	.
item*rg1	bo, 3	0	0.0000	0.0000	.	.
item*rg1	bro, 1	1	1.3863	1.2360	1.2579	0.2620
item*rg1	bro, 2	1	0.4925	1.2092	0.1659	0.6838

item*rg1	bro, 3	0	0.0000	0.0000	.	.
item*rg1	cuz, 1	1	-0.0000	0.9437	0.0000	1.0000
item*rg1	cuz 2	0	21.8688	0.0000	.	.
item*rg1	cuz, 3	0	0.0000	0.0000	.	.
item*rg1	mate, 1	1	23.1140	1.4253	262.9783	**0.0001**
item*rg1	mate, 2	1	23.6074	1.1155	447.8382	**0.0001**
item*rg1	mate, 3	0	0.0000	0.0000	.	.
item*rg1	my_nig, 1	0	23.1138	0.0000	.	.
item*rg1	my_nig, 2	1	-0.0002	55242.1315	0.0000	1.0000
item*rg1	my_nig, 3	0	0.0000	0.0000	.	.
item*rg1	ufellas, 1	1	22.3699	1.1898	353.4990	**0.0001**
item*rg1	ufellas, 2	0	23.0302	0.0000	.	.
item*rg1	ufellas, 3	0	0.0000	0.0000	.	.
item*rg1	uguys, 1	1	0.4055	1.2440	0.1062	0.7445
item*rg1	uguys, 2	1	1.2164	1.2047	1.0194	0.3126
item*rg1	uguys, 3	0	0.0000	0.0000	.	.
item*rg1	yous, 1	1	23.1139	1.1436	408.4827	**0.0001**
item*rg1	yous, 2	0	-0.0001	0.0000	.	.
item*rg1	yous, 3	0	0.0000	0.0000	.	.
item*u/r	baby, 1	1	-0.0000	1.1220	0.0000	1.0000
item*u/r	baby, 2	0	0.0000	0.0000	.	.
item*u/r	bay, 1	1	-0.0001	0.8520	0.0000	0.9999
item*u/r	bay, 2	0	0.0000	0.0000	.	.
item*u/r	bo, 1	1	-0.0002	1.2578	0.0000	0.9999
item*u/r	bo, 2	0	0.0000	0.0000	.	.
item*u/r	bro, 1	1	0.2513	1.3452	0.0349	0.8518
item*u/r	bro, 2	0	0.0000	0.0000	.	.
item*u/r	cuz, 1	1	-0.0000	1.1793	0.0000	1.0000
item*u/r	cuz, 2	0	0.0000	0.0000	.	.
item*u/r	mate, 1	1	23.1680	0.6065	1459.3113	**0.0001**
item*u/r	mate, 2	0	0.0000	0.0000	.	.
item*u/r	my_nig, 1	1	-0.0002	0.9137	0.0000	0.9998
item*u/r	my_nig 2	0	0.0000	0.0000	.	.
item*u/r	ufellas, 1	1	0.0003	0.9444	0.0000	0.9997
item*u/r	ufellas, 2	0	0.0000	0.0000	.	.
item*u/r	uguys, 1	1	-0.2877	1.3994	0.0423	0.8371
item*u/r	uguys, 2	0	0.0000	0.0000	.	.
item*u/r	yous, 1	1	-0.0001	0.9137	0.0000	0.9999
item*u/r	yous, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	baby 1, 1	1	0.1924	1.6850	0.0130	0.9091
item*rg1*u/r	baby 1, 2	0	0.0000	0.0000	.	
item*rg1*u/r	baby 2, 1	0	1.5506	0.0000	.	.
item*rg1*u/r	baby 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	baby 3, 1	0	0.0000	0.0000	.	.

item*rg1*u/r	baby 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bay 1, 1	1	-0.5305	1.6749	0.1003	.
item*rg1*u/r	bay 1, 2	0	0.0000	0.0000	.	
item*rg1*u/r	bay 2, 1	0	-0.1768	0.0000	.	.
item*rg1*u/r	bay 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bay 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	bay 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bo 1, 1	0	-1.2749	0.0000	.	.
item*rg1*u/r	bo 1, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bo 2, 1	0	22.4211	0.0000	.	.
item*rg1*u/r	bo 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bo 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	bo 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bro 1, 1	1	-0.1335	1.4571	0.0084	0.9270
item*rg1*u/r	bro 1, 2	0	0.0000	0.0000	.	
item*rg1*u/r	bro 2, 1	1	-0.4925	1.4343	0.1179	0.7313
item*rg1*u/r	bro 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	bro 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	bro 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	cuz 1, 1	0	22.5620	0.0000	.	.
item*rg1*u/r	cuz 1, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	cuz 2, 1	0	0.9842	0.0000	.	.
item*rg1*u/r	cuz 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	cuz 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	cuz 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	mate 1, 1	1	-22.9644	1.0967	438.4827	**0.0001**
item*rg1*u/r	mate 1, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	mate 2, 1	0	-22.5088	0.0000	.	.
item*rg1*u/r	mate 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	mate 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	mate 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	my_nig 1, 1	0	0.2038	0.0000	.	.
item*rg1*u/r	my_nig 1, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	my_nig 2, 1	1	0.0002	75137.4222	0.0000	1.0000
item*rg1*u/r	my_nig 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	my_nig 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	my_nig 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	ufellas 1, 1	1	1.2037	1.4749	0.6660	0.4144
item*rg1*u/r	ufellas 1, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	ufellas 2, 1	0	-0.6094	0.0000	.	.
item*rg1*u/r	ufellas 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	ufellas 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	ufellas 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	uguys 1, 1	1	-0.8109	1.5511	0.2733	0.6011
item*rg1*u/r	uguys 1, 2	0	0.0000	0.0000	.	.

item*rg1*u/r	uguys 2, 1	1	-0.7995	1.4838	0.2903	0.5900
item*rg1*u/r	uguys 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	uguys 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	uguys 3, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	yous 1, 1	0	0.2037	0.0000	.	.
item*rg1*u/r	yous 1, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	yous 2, 1	0	21.7018	0.0000	.	.
item*rg1*u/r	yous 2, 2	0	0.0000	0.0000	.	.
item*rg1*u/r	yous 3, 1	0	0.0000	0.0000	.	.
item*rg1*u/r	yous 3, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address 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	baby	1	-27.1861	0.7488	1318.1204	0.0001
item	bay	1	-26.1794	0.5555	2220.9076	0.0001
item	bo	1	-26.3929	0.8823	894.7799	0.0001
item	bro	1	-0.8747	0.6439	1.8453	0.1743
item	cuz	1	-27.4850	1.0379	701.2735	0.0001
item	mate	1	-3.0028	1.1153	7.2485	0.0071
item	my_nig	1	-26.5138	0.7434	1272.0584	0.0001
item	ufellas	1	-26.5340	0.6040	1929.8400	0.0001
item	uguys	1	-0.6250	0.7034	0.7895	0.3742
item	yous	1	-26.7417	1.1592	532.1893	0.0001
item*region1	baby, 1	1	23.5536	0.7371	1021.2114	**0.0001**
item*region1	baby, 2	0	24.0812	0.0000	.	.
item*region1	baby, 3	0	0.0000	0.0000	.	.
item*region1	bay, 1	1	23.0432	0.8390	754.2738	**0.0001**
item*region1	bay, 2	0	23.8891	0.0000	.	.
item*region1	bay, 3	0	0.0000	0.0000	.	.
item*region1	bo, 1	1	23.4971	0.9339	633.0089	**0.0001**
item*region1	bo, 2	0	22.7885	0.0000	.	.
item*region1	bo, 3	0	0.0000	0.0000	.	.
item*region1	bro, 1	1	1.2723	0.6517	3.8115	0.0509
item*region1	bro, 2	1	0.1722	0.6447	0.0713	0.7894
item*region1	bro, 3	0	0.0000	0.0000	.	.
item*region1	cuz, 1	1	23.1341	0.8922	672.2943	**0.0001**
item*region1	cuz, 2	0	23.6693	0.0000	.	.
item*region1	cuz, 3	0	0.0000	0.0000	.	.
item*region1	mate, 1	1	0.4937	1.1270	0.1919	0.6614
item*region1	mate, 2	1	1.2981	1.0833	1.4359	0.2308
item*region1	mate, 3	0	0.0000	0.0000	.	.
item*region1	my_nig, 1	0	24.2625	0.0000	.	.

item*region1	my_nig, 2	1	0.0345	61698.6969	0.0000	1.0000
item*region1	my_nig, 3	0	0.0000	0.0000	.	.
item*region1	ufellas, 1	1	24.2645	0.6357	1456.9249	**0.0001**
item*region1	ufellas, 2	0	23.7787	0.0000	.	.
item*region1	ufellas, 3	0	0.0000	0.0000	.	.
item*region1	uguys, 1	1	-0.1017	0.7456	0.0186	0.8915
item*region1	uguys, 2	1	0.7146	0.7109	1.0104	0.3148
item*region1	uguys, 3	0	0.0000	0.0000	.	.
item*region1	yous, 1	1	24.2855	1.0975	489.6562	**0.0001**
item*region1	yous, 2	0	22.1504	0.0000	.	.
item*region1	yous, 3	0	0.0000	0.0000	.	.
item*urb_rur	baby, 1	1	1.0497	0.8262	1.6142	0.2039
item*urb_rur	baby, 2	0	0.0000	0.0000	.	.
item*urb_rur	bay, 1	1	-0.2682	0.7354	0.1329	0.7154
item*urb_rur	bay, 2	0	0.0000	0.0000	.	.
item*urb_rur	bo, 1	1	0.0384	0.9361	0.0017	0.9673
item*urb_rur	bo, 2	0	0.0000	0.0000	.	.
item*urb_rur	bro, 1	1	-0.0584	0.3583	0.0266	0.8705
item*urb_rur	bro, 2	0	0.0000	0.0000	.	.
item*urb_rur	cuz, 1	1	1.3960	1.1138	1.5709	0.2101
item*urb_rur	cuz, 2	0	0.0000	0.0000	.	.
item*urb_rur	mate, 1	1	0.5750	0.5017	1.3133	0.2518
item*urb_rur	mate, 2	0	0.0000	0.0000	.	.
item*urb_rur	my_nig, 1	1	0.2036	0.9137	0.0497	0.8237
item*urb_rur	my_nig, 2	0	0.0000	0.0000	.	.
item*urb_rur	ufellas, 1	1	0.2311	0.6571	0.1237	0.7251
item*urb_rur	ufellas, 2	0	0.0000	0.0000	.	.
item*urb_rur	uguys, 1	1	-1.0292	0.3798	7.3435	**0.0067**
item*urb_rur	uguys, 2	0	0.0000	0.0000	.	.
item*urb_rur	yous, 1	1	0.5015	0.8731	0.3299	0.5657
item*urb_rur	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement

Contrast	DF	ChiSquare	Pr>Chi	Type
1-2 for uguys	1	4.0564	**0.0440**	LR

Terms of Address by Urban/Rural in Northern Region only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-2.9957	1.0247	8.5471	0.0035
item	bay	1	-2.9957	1.0247	8.5471	0.0035
item	bo	1	-2.2513	0.7434	9.1712	0.0025
item	bro	1	0.2877	0.4410	0.4256	0.5141

item	cuz	1	-25.3653	0.7282	1213.2679	0.0001
item	mate	1	-2.2513	0.7434	9.1712	0.0025
item	my_nig	1	-2.2513	0.7434	9.1712	0.0025
item	ufellas	1	-2.9957	1.0247	8.5471	0.0035
item	uguys	1	-0.6931	0.4629	2.2421	0.1343
item	yous	1	-2.2513	0.7434	9.1712	0.0025
item*urb_rur	baby, 1	1	0.1924	1.2571	0.0234	0.8784
item*urb_rur	baby, 2	0	0.0000	0.0000	.	.
item*urb_rur	bay, 1	1	-0.5306	1.4420	0.1354	0.7129
item*urb_rur	bay, 2	0	0.0000	0.0000	.	.
item*urb_rur	bo, 1	1	-1.2751	1.2578	1.0277	0.3107
item*urb_rur	bo, 2	0	0.0000	0.0000	.	.
item*urb_rur	bro, 1	1	0.1178	0.5599	0.0443	0.8334
item*urb_rur	bro, 2	0	0.0000	0.0000	.	.
item*urb_rur	cuz, 1	0	22.5620	0.0000	.	.
item*urb_rur	cuz, 2	0	0.0000	0.0000	.	.
item*urb_rur	mate, 1	1	0.2036	0.9137	0.0497	0.8237
item*urb_rur	mate, 2	0	0.0000	0.0000	.	.
item*urb_rur	my_nig, 1	1	0.2036	0.9137	0.0497	0.8237
item*urb_rur	my_nig, 2	0	0.0000	0.0000	.	.
item*urb_rur	ufellas, 1	1	1.2040	1.1328	1.1295	0.2879
item*urb_rur	ufellas, 2	0	0.0000	0.0000	.	.
item*urb_rur	uguys, 1	1	-1.0986	0.6690	2.6964	0.1006
item*urb_rur	uguys, 2	0	0.0000	0.0000	.	.
item*urb_rur	yous, 1	1	0.2036	0.9137	0.0497	0.8237
item*urb_rur	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Urban/Rural in Central Region only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-3.4965	1.0150	11.8660	0.0006
item	bay	1	-2.3354	0.6046	14.9182	0.0001
item	bo	1	-27.3653	0.7255	1422.8355	0.0001
item	bro	1	-0.6061	0.3589	2.8528	0.0912
item	cuz	1	-3.4965	1.0150	11.8660	0.0006
item	mate	1	-1.7579	0.4842	13.1782	0.0003
item	my_nig	1	-27.3653	150163.682	0.0000	0.9999
item	ufellas	1	-2.3354	0.6046	14.9182	0.0001
item	uguys	1	0.1178	0.3436	0.1175	0.7317
item	yous	1	-27.3653	1.0127	730.1392	0.0001
item*urb_rur	baby, 1	1	1.5506	1.1220	1.9099	0.1670
item*urb_rur	baby, 2	0	0.0000	0.0000	.	.
item*urb_rur	bay, 1	1	-0.1769	0.8520	0.0431	0.8355

item*urb_rur	bay, 2	0	0.0000	0.0000	.	.
item*urb_rur	bo, 1	0	24.4209	0.0000	.	.
item*urb_rur	bo, 2	0	0.0000	0.0000	.	.
item*urb_rur	bro, 1	1	-0.2412	0.4978	0.2347	0.6281
item*urb_rur	bro, 2	0	0.0000	0.0000	.	.
item*urb_rur	cuz, 1	1	0.9842	1.1793	0.6965	0.4039
item*urb_rur	cuz, 2	0	0.0000	0.0000	.	.
item*urb_rur	mate, 1	1	0.6592	0.6065	1.1816	0.2770
item*urb_rur	mate, 2	0	0.0000	0.0000	.	.
item*urb_rur	my_nig, 1	1	-0.0000	204244.689	0.0000	1.0000
item*urb_rur	my_nig, 2	0	0.0000	0.0000	.	.
item*urb_rur	ufellas, 1	1	-0.6091	0.9444	0.4159	0.5190
item*urb_rur	ufellas, 2	0	0.0000	0.0000	.	.
item*urb_rur	uguys, 1	1	-1.0872	0.4934	4.8551	**0.0276**
item*urb_rur	uguys, 2	0	0.0000	0.0000	.	.
item*urb_rur	yous, 1	0	23.7018	0.0000	.	.
item*urb_rur	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Urban/Rural in Southern Region only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-28.3653	721807.870	0.0000	1.0000
item	bay	1	-28.3653	721807.870	0.0000	1.0000
item	bo	1	-28.3653	721807.870	0.0000	1.0000
item	bro	1	-1.0986	1.1547	0.9052	0.3414
item	cuz	1	-28.3653	721807.870	0.0000	1.0000
item	mate	1	-28.3653	1.0541	724.1310	0.0001
item	my_nig	1	-28.3653	721807.870	0.0000	1.0000
item	ufellas	1	-28.3653	721807.870	0.0000	1.0000
item	uguys	1	-1.0986	1.1547	0.9052	0.3414
item	yous	1	-28.3653	721807.870	0.0000	1.0000
item*urb_rur	baby, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	baby, 2	0	0.0000	0.0000	.	.
item*urb_rur	bay, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	bay, 2	0	0.0000	0.0000	.	.
item*urb_rur	bo, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	bo, 2	0	0.0000	0.0000	.	.
item*urb_rur	bro, 1	1	0.2513	1.3452	0.0349	0.8518
item*urb_rur	bro, 2	0	0.0000	0.0000	.	.
item*urb_rur	cuz, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	cuz, 2	0	0.0000	0.0000	.	.
item*urb_rur	mate, 1	0	26.1681	0.0000	.	.
item*urb_rur	mate, 2	0	0.0000	0.0000	.	.

item*urb_rur	my_nig, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	my_nig, 2	0	0.0000	0.0000	.	.
item*urb_rur	ufellas, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	ufellas, 2	0	0.0000	0.0000	.	.
item*urb_rur	uguys, 1	1	-0.2877	1.3994	0.0423	0.8371
item*urb_rur	uguys, 2	0	0.0000	0.0000	.	.
item*urb_rur	yous, 1	1	0.0000	854054.589	0.0000	1.0000
item*urb_rur	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Urban/Rural and Island, 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	baby	1	-3.1858	0.8418	14.3245	0.0002
item	bay	1	-26.1987	0.5270	2470.9323	0.0001
item	bo	1	-26.4792	0.7255	1332.1819	0.0001
item	bro	1	-1.3560	0.4072	11.0887	0.0009
item	cuz	1	-5.0295	1.4041	12.8309	0.0003
item	mate	1	-1.6974	0.4881	12.0914	0.0005
item	my_nig	1	-26.8768	0.7255	1372.4924	0.0001
item	ufellas	1	-26.6083	0.5270	2548.8031	0.0001
item	uguys	1	-0.0057	0.3694	0.0002	0.9876
item	yous	1	-4.4438	1.2115	13.4544	0.0002
item*island	baby, 1	1	-0.2517	0.6989	0.1297	0.7187
item*island	baby, 2	0	0.0000	0.0000	.	.
item*island	bay, 1	0	24.0014	0.0000	.	.
item*island	bay, 2	0	0.0000	0.0000	.	.
item*island	bo, 1	0	23.5348	0.0000	.	.
item*island	bo, 2	0	0.0000	0.0000	.	.
item*island	bro, 1	1	1.4668	0.3916	14.0327	**0.0002**
item*island	bro, 2	0	0.0000	0.0000	.	.
item*island	cuz, 1	1	1.2310	1.1148	1.2193	0.2695
item*island	cuz, 2	0	0.0000	0.0000	.	.
item*island	mate, 1	1	-0.4836	0.4612	1.0992	0.2944
item*island	mate, 2	0	0.0000	0.0000	.	.
item*island	my_nig, 1	0	23.9324	0.0000	.	.
item*island	my_nig, 2	0	0.0000	0.0000	.	.
item*island	ufellas, 1	0	24.4111	0.0000	.	.
item*island	ufellas, 2	0	0.0000	0.0000	.	.
item*island	uguys, 1	1	-0.3451	0.3863	0.7980	0.3717
item*island	uguys, 2	0	0.0000	0.0000	.	.
item*island	yous, 1	1	1.3767	1.0977	1.5731	0.2098
item*island	yous, 2	0	0.0000	0.0000	.	.
item*urb_rur	baby, 1	1	0.9051	0.8227	1.2103	0.2713

item*urb_rur	baby, 2	0	0.0000	0.0000	.	.
item*urb_rur	bay, 1	1	-0.2666	0.7410	0.1295	0.7190
item*urb_rur	bay, 2	0	0.0000	0.0000	.	.
item*urb_rur	bo, 1	1	0.1719	0.9383	0.0335	0.8547
item*urb_rur	bo, 2	0	0.0000	0.0000	.	.
item*urb_rur	bro, 1	1	0.1569	0.3623	0.1875	0.6650
item*urb_rur	bro, 2	0	0.0000	0.0000	.	.
item*urb_rur	cuz, 1	1	1.3677	1.1136	1.5086	0.2194
item*urb_rur	cuz, 2	0	0.0000	0.0000	.	.
item*urb_rur	mate, 1	1	0.4905	0.4917	0.9953	0.3184
item*urb_rur	mate, 2	0	0.0000	0.0000	.	.
item*urb_rur	my_nig, 1	1	0.7252	0.8649	0.7031	0.4017
item*urb_rur	my_nig, 2	0	0.0000	0.0000	.	.
item*urb_rur	ufellas, 1	1	0.3589	0.6659	0.2906	0.5898
item*urb_rur	ufellas, 2	0	0.0000	0.0000	.	.
item*urb_rur	uguys, 1	1	-1.1271	0.3771	8.9329	**0.0028**
item*urb_rur	uguys, 2	0	0.0000	0.0000	.	.
item*urb_rur	yous, 1	1	0.6617	0.8604	0.5915	0.4418
item*urb_rur	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by Northern and Central Regions only Analysis Of Init PEs

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-2.4849	0.4249	34.1987	0.0001
item	bay	1	-2.4849	0.4249	34.1987	0.0001
item	bo	1	-3.6376	0.7164	25.7855	0.0001
item	bro	1	-0.8109	0.2453	10.9264	0.0009
item	cuz	1	-2.9178	0.5133	32.3072	0.0001
item	mate	1	-1.4351	0.2873	24.9512	0.0001
item	my_nig	1	-25.3653	0.4316	3454.0379	0.0001
item	ufellas	1	-2.6810	0.4623	33.6356	0.0001
item	uguys	1	-0.4162	0.2314	3.2351	0.0721
item	yous	1	-4.3438	1.0065	18.6267	0.0001
item*region1	baby, 1	1	-0.4055	0.7297	0.3088	0.5784
item*region1	baby, 2	0	0.0000	0.0000	.	.
item*region1	bay, 1	1	-0.8293	0.8359	0.9842	0.3212
item*region1	bay, 2	0	0.0000	0.0000	.	.
item*region1	bo, 1	1	0.7472	0.9301	0.6455	0.4217
item*region1	bo, 2	0	0.0000	0.0000	.	.
item*region1	bro, 1	1	1.1294	0.3635	9.6516	**0.0019**
item*region1	bro, 2	0	0.0000	0.0000	.	.
item*region1	cuz, 1	1	-0.3964	0.8841	0.2010	0.6539
item*region1	cuz, 2	0	0.0000	0.0000	.	.
item*region1	mate, 1	1	-0.7050	0.5185	1.8489	0.1739

item*region1	mate, 2	0	0.0000	0.0000	.	.
item*region1	my_nig, 1	0	23.2252	0.0000	.	.
item*region1	my_nig, 2	0	0.0000	0.0000	.	.
item*region1	ufellas, 1	1	0.5410	0.6324	0.7316	0.3924
item*region1	ufellas, 2	0	0.0000	0.0000	.	.
item*region1	uguys, 1	1	-0.9056	0.3989	5.1550	**0.0232**
item*region1	uguys, 2	0	0.0000	0.0000	.	.
item*region1	yous, 1	1	2.2037	1.0951	4.0495	**0.0442**
item*region1	yous, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Terms of Address by North Island Sub-Regions only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	baby	1	-3.0445	1.0235	8.8478	0.0029
item	bay	1	-3.0445	1.0235	8.8478	0.0029
item	bo	1	-27.3653	0.7746	1248.1000	0.0001
item	bro	1	-0.5596	0.4432	1.5943	0.2067
item	cuz	1	-1.8458	0.6213	8.8274	0.0030
item	mate	1	-2.3026	0.7416	9.6398	0.0019
item	my_nig	1	-27.3653	0.7360	1382.5080	0.0001
item	ufellas	1	-1.8458	0.6213	8.8274	0.0030
item	uguys	1	-0.0000	0.4264	0.0000	1.0000
item	yous	1	-27.3653	0.7360	1382.5080	0.0001
item*region2	baby, 1	1	1.4351	1.4992	0.9163	0.3385
item*region2	baby, 2	1	-24.3208	357461.063	0.0000	0.9999
item*region2	baby, 3	1	0.1542	1.4502	0.0113	0.9153
item*region2	baby, 4	1	-0.1744	1.4449	0.0146	0.9040
item*region2	baby, 5	1	0.6466	1.4624	0.1955	0.6584
item*region2	baby, 6	0	0.0000	0.0000	.	.
item*region2	bay, 1	1	-24.3208	357461.063	0.0000	0.9999
item*region2	bay, 2	1	-24.3208	357461.063	0.0000	0.9999
item*region2	bay, 3	1	0.1542	1.4502	0.0113	0.9153
item*region2	bay, 4	1	-0.1744	1.4449	0.0146	0.9040
item*region2	bay, 5	1	2.7081	1.1792	5.2741	**0.0216**
item*region2	bay, 6	0	0.0000	0.0000	.	.
item*region2	bo, 1	1	25.7559	1.3416	368.5360	**0.0001**
item*region2	bo, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	bo, 3	1	25.2252	1.0765	549.1024	**0.0001**
item*region2	bo, 4	1	-0.0000	171718.740	0.0000	1.0000
item*region2	bo, 5	0	25.7559	0.0000	.	.
item*region2	bo, 6	0	0.0000	0.0000	.	.
item*region2	bro, 1	1	1.2528	0.9728	1.6582	0.1978
item*region2	bro, 2	1	-1.0498	1.1817	0.7892	0.3743
item*region2	bro, 3	1	0.8781	0.6421	1.8698	0.1715

item*region2	bro 4	1	1.1956	0.6053	3.9018	**0.0482**
item*region2	bro, 5	1	1.2528	0.7559	2.7465	0.0975
item*region2	bro, 6	0	0.0000	0.0000	.	.
item*region2	cuz, 1	1	0.2364	1.2594	0.0352	0.8511
item*region2	cuz, 2	1	-25.5195	357461.063	0.0000	0.9999
item*region2	cuz, 3	1	-25.5195	200875.776	0.0000	0.9999
item*region2	cuz, 4	1	-1.3730	1.1941	1.3221	0.2502
item*region2	cuz, 5	1	-25.5195	252763.142	0.0000	0.9999
item*region2	cuz, 6	0	0.0000	0.0000	.	.
item*region2	mate, 1	1	0.6931	1.3229	0.2745	0.6003
item*region2	mate, 2	1	-25.0627	357461.063	0.0000	0.9999
item*region2	mate, 3	1	0.6286	0.9725	0.4178	0.5180
item*region2	mate, 4	1	-0.1823	1.0448	0.0304	0.8615
item*region2	mate, 5	1	1.2040	0.9972	1.4576	0.2273
item*region2	mate, 6	0	0.0000	0.0000	.	.
item*region2	my_nig, 1	1	26.6721	1.1365	550.7633	**0.0001**
item*region2	my_nig, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	my_nig, 3	1	25.2252	1.0490	578.2072	**0.0001**
item*region2	my_nig, 4	0	24.8804	0.0000	.	.
item*region2	my_nig, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	my_nig, 6	0	0.0000	0.0000	.	.
item*region2	ufellas, 1	1	0.2364	1.2594	0.0352	0.8511
item*region2	ufellas, 2	1	-25.5195	357461.063	0.0000	0.9999
item*region2	ufellas, 3	1	-1.0445	1.2006	0.7569	0.3843
item*region2	ufellas, 4	1	0.1411	0.8255	0.0292	0.8643
item*region2	ufellas, 5	1	-0.5521	1.2153	0.2064	0.6496
item*region2	ufellas, 6	0	0.0000	0.0000	.	.
item*region2	uguys, 1	1	-0.6931	0.9653	0.5156	0.4727
item*region2	uguys, 2	1	-1.6094	1.1755	1.8746	0.1710
item*region2	uguys, 3	1	-0.5390	0.6388	0.7120	0.3988
item*region2	uguys, 4	1	-2.4849	0.8506	8.5347	**0.0035**
item*region2	uguys, 5	1	-0.6931	0.7462	0.8629	0.3529
item*region2	uguys, 6	0	0.0000	0.0000	.	.
item*region2	yous, 1	1	26.6721	1.1365	550.7633	**0.0001**
item*region2	yous, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	yous, 3	1	25.2252	1.0490	578.2072	**0.0001**
item*region2	yous, 4	0	24.8804	0.0000	.	.
item*region2	yous, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	yous, 6	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Summary Stats for *bro*

***Bro* 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	bro	1.1239	0.4024	0.3353	1.9125	2.7932	0.0052
decile*item	bro	-0.2628	0.0669	-0.3939	-0.1318	-3.931	**0.0001**
scale	1.0011	.	.	.	.	.	

***Bro* by Main Region**

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	bro	-0.9163	0.5916	-2.0758	0.2432	-1.549	0.1214
item*region1	bro, 1	1.2347	0.6496	-0.0384	2.5079	1.9008	0.0573
item*region1	bro, 2	0.1054	0.6405	-1.1499	1.3606	0.1645	0.8693
item*region1	bro, 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 bro	1	9.9883	**0.0016**	LR

***Bro* 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	bro	-1.3218	0.3249	-1.9585	-0.6850	-4.068	0.0000
item*island	bro, 1	1.4726	0.3858	0.7165	2.2287	3.8173	**0.0001**
item*island	bro, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

***Bro* by Main Region and Island (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	bro	-0.9163	0.5916	-2.0758	0.2432	-1.549	0.1214
item*region1	bro, 1	-0.0693	0.8311	-1.6982	1.5595	-.0834	0.9335
item*region1	bro, 2	-0.5596	0.7096	-1.9505	0.8312	-.7886	0.4303
item*region1	bro, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	bro, 1	1.3041	0.5184	0.2881	2.3200	2.5157	**0.0119**
item*island	bro, 2	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 bro	1	1.2929	0.2555	LR

***Bro* by Main Region and Decile (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	bro	0.3253	0.6636	-0.9753	1.6260	0.4902	0.6240
item*region1	bro, 1	1.1453	0.5975	-0.0258	2.3164	1.9168	0.0553
item*region1	bro, 2	0.2745	0.5702	-0.8430	1.3920	0.4815	0.6302
item*region1	bro, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	bro	-0.2292	0.0706	-0.3676	-0.0908	-3.246	**0.0012**
scale	0.9954	.	.	.	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for bro	1	5.2115	**0.0224**	LR

***Bro* by Island and Decile (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	bro	1.8929	1.0057	-0.0782	3.8640	1.8822	0.0598
item*island	bro, 1	-0.9409	1.1047	-3.1061	1.2243	-.8517	0.3944
item*island	bro, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	bro	-0.5612	0.1922	-0.9379	-0.1846	-2.921	**0.0035**
dec*item*is	bro, 1	0.4113	0.2061	0.0072	0.8153	1.9951	**0.0460**
dec*item*is	bro, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0215	.	.	.	.	.	

***Bro* by Island and Decile (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	bro	0.0986	0.5438	-0.9673	1.1645	0.1813	0.8561
item*island	bro, 1	1.2899	0.3880	0.5294	2.0505	3.3242	**0.0009**
item*island	bro, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	bro	-0.2308	0.0706	-0.3692	-0.0925	-3.270	**0.0011**
scale	0.9854	.	.	.	.	.	

***Bro* by Decile in North 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	bro	0.9520	0.4572	0.0559	1.8481	2.0823	0.0373
decile*item	bro	-0.1499	0.0746	-0.2962	-0.0037	-2.009	**0.0445**
scale	1.0000	.	.	.	.	.	

***Bro* by Decile in South 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	bro	1.8929	1.0057	-0.0782	3.8640	1.8822	0.0598
decile*item	bro	-0.5612	0.1922	-0.9379	-0.1846	-2.921	**0.0035**
scale	1.0556	.	.	.	.	.	

Summary of Main Results for *you guys*

You Guys 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	uguys	-1.2993	0.6513	-2.5759	-0.0227	-1.995	0.0461
item*region1	uguys, 1	-0.0225	0.7279	-1.4491	1.4041	-.0309	0.9754
item*region1	uguys, 2	0.8831	0.6912	-0.4716	2.2379	1.2776	0.2014
item*region1	uguys, 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 uguys	1	5.4559	**0.0195**	LR

You Guys 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	uguys	-0.2384	0.2622	-0.7524	0.2756	-.9092	0.3633
item*urb_rur	uguys, 1	-1.0907	0.3729	-1.8215	-0.3599	-2.925	**0.0034**
item*urb_rur	uguys, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

You Guys by Urban/Rural and Main Region (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	uguys	-0.6250	0.7141	-2.0245	0.7745	-.8753	0.3814
item*region1	uguys, 1	-0.1017	0.7627	-1.5965	1.3931	-.1333	0.8939
item*region1	uguys, 2	0.7146	0.7290	-0.7143	2.1435	0.9802	0.3270
item*region1	uguys, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	uguys, 1	-1.0292	0.3786	-1.7712	-0.2872	-2.719	**0.0066**
item*urb_rur	uguys, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0009	.	.	.	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for uguys	1	4.0564	**0.0440**	LR