***No backs*: refusing to take back something you have just given**
Laurie and Winifred Bauer

Question 12 asked what children say to stop someone giving them back something they don't want:

12 At your school, are there special things you do and say to stop someone giving **back** something you've given them? If so, what?

This question was intended to contrast with Q11, so that Q11 elicited forms like *no gives* and Q12 elicited forms like *no backs, no returns*. However, as commented on in Q11, it is not clear whether a distinction was made between the two situations by all of the children responding. Many forms are possible as responses to both questions, which would have added to the confusion.

The same two situations as were described in Q11 give rise to these sayings, and there were a number of responses to 12 which were germ-oriented, but as with 11, the numbers were insignificant.

As with Q11, there were very large numbers of differing responses, and similar simplifications to those adopted in Q11 were applied to the data in Q12. Most notably, forms showing the same basic roots were grouped (*no swap back, no swaps back, no swap backs*, for instance). Truce terms were once again grouped. Many one-report forms were eliminated.

There were still a large number of forms left after this process of simplification. High frequency forms included (no. of occurrences in brackets): *no returns* (80); *no backs* (37); *no bags (back)* (35); *bags not (back)* (33); truce terms (18); *Indian giver* (17); *white rabbit(s)* (16); *you touched it last* (16).

Low frequency forms: *no swaps back* (7); *pegs not (back)* (7); *no pegs (back)* (5); *no give backs* (6); *no gives* (5); *no passes* (3); *vaccinated* (3); *shotgun not (back)* (2); *oo-fu* (2).

Most of the forms show little or no evidence of regional distribution.

No returns is widespread throughout the country, although it appears to have fewer competitors in Southland-Otago than elsewhere.

No backs is also widespread.

No bags (back) is predominantly found in the North Island and Nelson-Marlborough, with only two reports south of that, one in Christchurch and one in Timaru.

Bags not (back) is most common in the Northern Region, but there are nonetheless 10 reports south of this. It is absent from Hawkes Bay, where it has been ousted by the corresponding *pegs* form.

The truce-term responses are scattered throughout the country.

Indian giver is also commoner in the Northern Region than elsewhere, but there are still 5 reports from south of that area.

White rabbit(s) is not reported in this context in Auckland or Northland, but has a number of small pockets of popularity: in Taranaki, Wellington, and North Canterbury. It is also absent from Southland-Otago. There are six reports in the Northern region (3 of them in Taranaki) so it is largely a Central Region form.

You touched it last is dotted throughout the country with the exception of Hawkes Bay and Wairarapa.

No swaps back is dotted from Northland to Canterbury.

Pegs not back is one of the few regionalised terms: 6 of the 7 occurrences are from Hawkes Bay-Poverty Bay, with the remaining one from the West Coast.

No pegs back is found exclusively in Hawkes Bay. (The fact that these *pegs* terms have ousted *bags* in Hawkes Bay has already been commented on.)
The remaining forms are so infrequent that little can be made of their distribution, even where it is regionalised.
No give backs has four occurrences in the Northern Region and one in Wellington.
No gives is dotted from Auckland to Southland.
No passes is recorded in Northland and Auckland.
Vaccinated is recorded in Wellington, Christchurch and Dunedin.
Shotgun not (back) is reported only from Timaru (*shotgun* was reported from there in Q11 as well).
Oo-fu is reported only from West Auckland. (We have no idea where this form has come from, but it might conceivably come from another language.)

Statistical Analysis

While little could be expected from the analysis of the responses to this question, seven forms were included in the analysis: *bags not, Indian giver, no passes, no bags, oo fu, pegs not, white rabbits*.

Bags not

Bags not was shown to be significantly more common in the Northern Region than the Central Region (p-value 0.0001), but the other regional contrasts were not significant. *Bags not* is also significantly more common in the North Island (0.0107). When the interaction between the Main Region and Island factors was investigated, this showed that the Main Region factor is more important. The p-value for the Northern – Central contrast when Island is taken into account is 0.0019; the p-value for Island when Main Region distribution is taken into account is not significant. Thus the Island effect is largely due to the fact that this is a Northern Region form.

Indian giver

Indian Giver is more likely in low decile schools (p-value 0.0043). It is also significantly more common in the Northern Region than the Central Region (p-value 0.0096), but the other regional contrasts are not significant. When the interaction between Decile and Main Region is considered, the analysis shows that the Northern – Central Region contrast is still just significant (p-value 0.0500) when decile is taken into account, while Decile is also just significant when Main Region is taken into account (p-value 0.0229). This suggests that the capacity of these two factors to explain each other is about equal, and that neither of them offers a good enough explanation for the other for us to disregard either. Decile is probably a little stronger, but there is not a lot in it.

No passes

No passes is found only in WNth and Ak. It is therefore exclusive to the Northern Region and to the North Island, but both of these are consequences of the restricted sub-region distribution.

No bags

No bags is absent from the Southern Region. More importantly, it is significantly more common in the Northern than the Central Region (0.0050) (when the

Southern Region is eliminated). *No bags* is also a North Island form (p-value 0.0055). Because this form was absent from the Southern Region, this region was deleted in order to get useful results from the interaction calculation. When the interaction of Main Region and Island was investigated, the results showed that the variation by Island when Main Region was taken into account was not significant (p-value 0.4780). When Island is taken into account, the Northern – Central Region contrast is not significant, either (p-value 0.0666). This suggests that the North Island correlation is largely a result of the prevalence of this form in the Northern Region (the p-value is considerably lower for the regional contrast than for the Island contrast). However, Island also has a noticeable capacity to explain the regional distribution.

Oo fu

This form was included largely for the contribution it might make to the establishment of sub-regions. Since it was a very low frequency form, it is not surprising that it showed no correlations with any of the factors considered.

Pegs not

Pegs not is absent from the Southern Region, and is just significantly more common in the Central Region than the Northern Region (p-value 0.0476). It is also found only in some sub-regions, notably Hawkes Bay – Wairarapa.

White rabbits

W*hite rabbits* has an almost significant tendency to occur in high decile schools, p-value 0.0514. *White rabbits* is absent from the Southern Region, but does not otherwise correlate significantly with any of the factors considered.

Comments from school visits

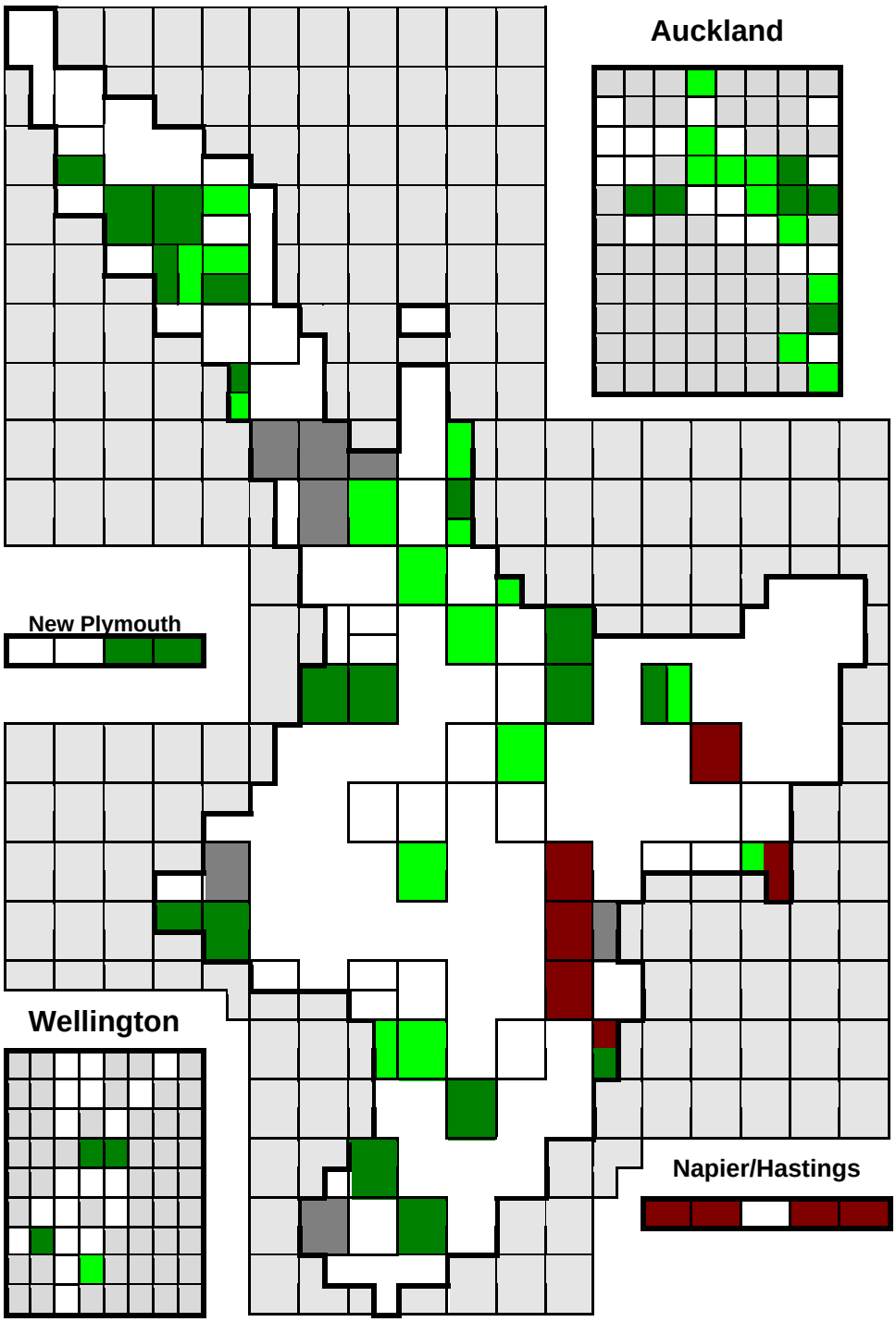
We endeavoured to find out a little more about the expression *Indian giver* during the visits. Where it is known, an *Indian giver* is a person who gives you something and then says they only lent it to you and now want it back. It was suggested by one child that it was used more in Australia, and we asked an Australian children's folklorist for further information on this. It is in Australian dictionaries, and is believed to refer to a N. American Indian, but is not widely used by children in Australia today.

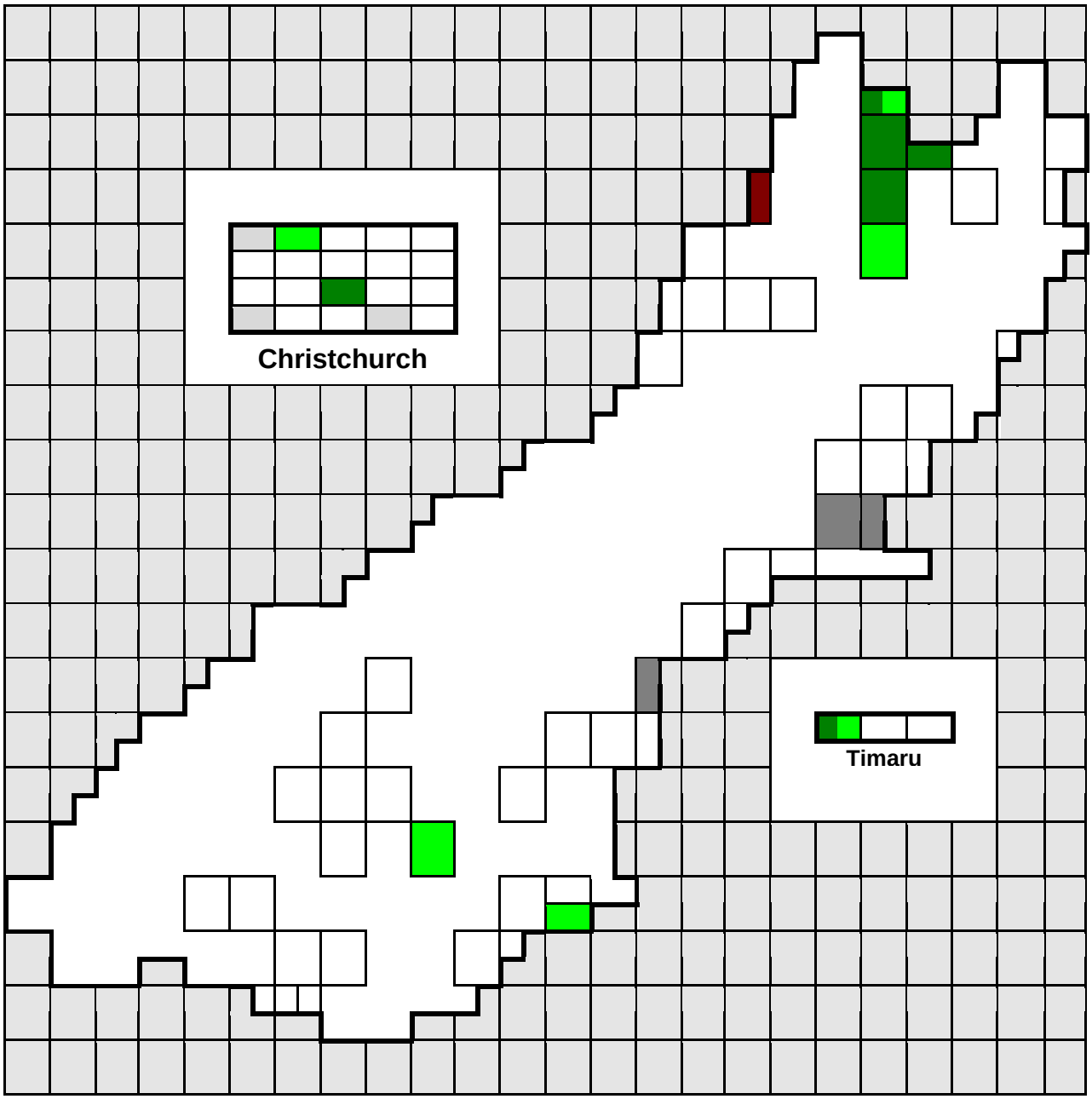
In the schools visited, it was clear that it was most widely known in the Northern Region: most of the schools where all the children knew it were there. However, it was known to at least some children in nearly all schools visited.

Summary

There is yet again evidence for the importance of the three main regions in accounting for the distribution of these forms.

Map 1: Alternatives to *No backs: bags not, no bags, pegs not, no pegs*





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.

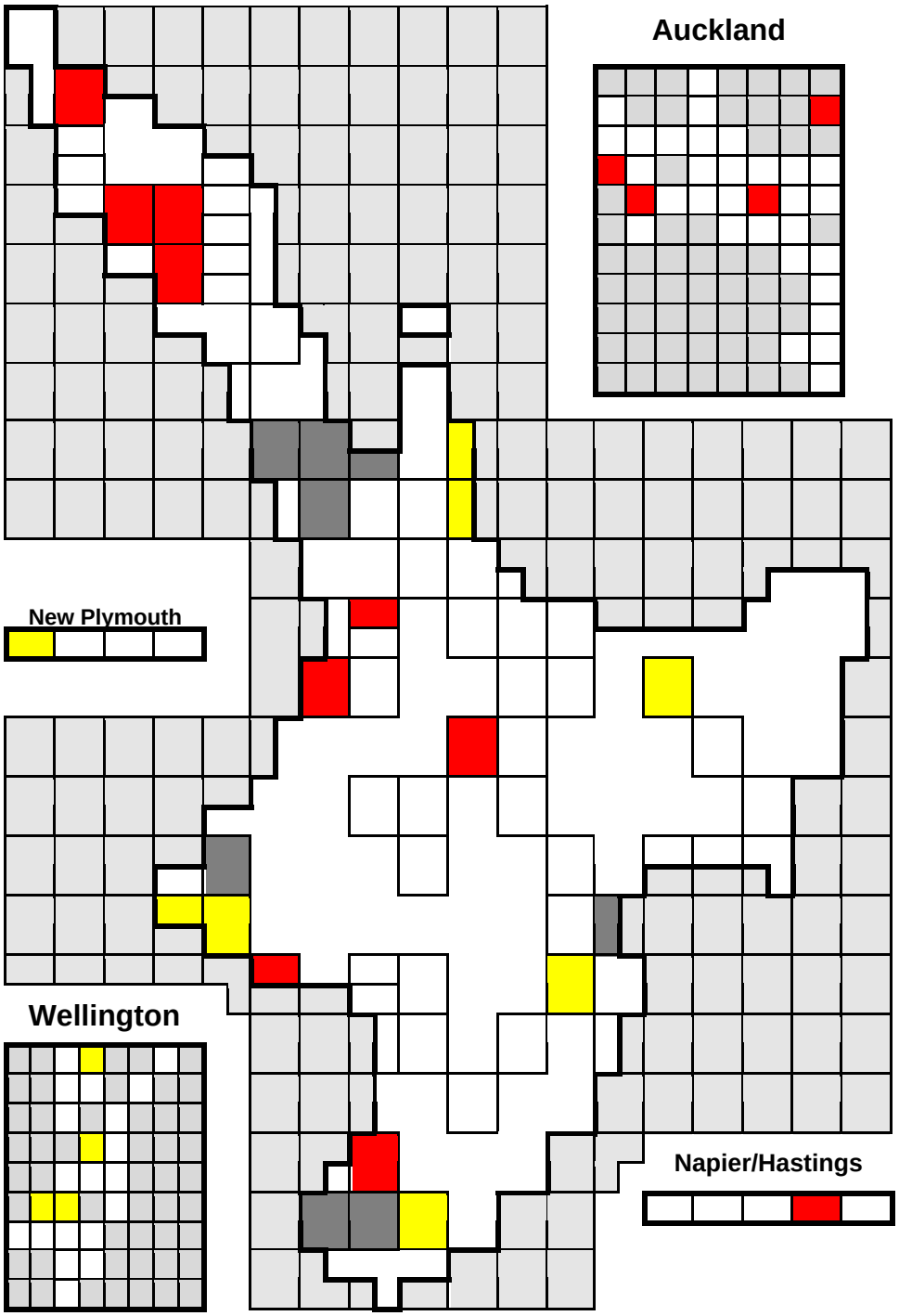
Bags not

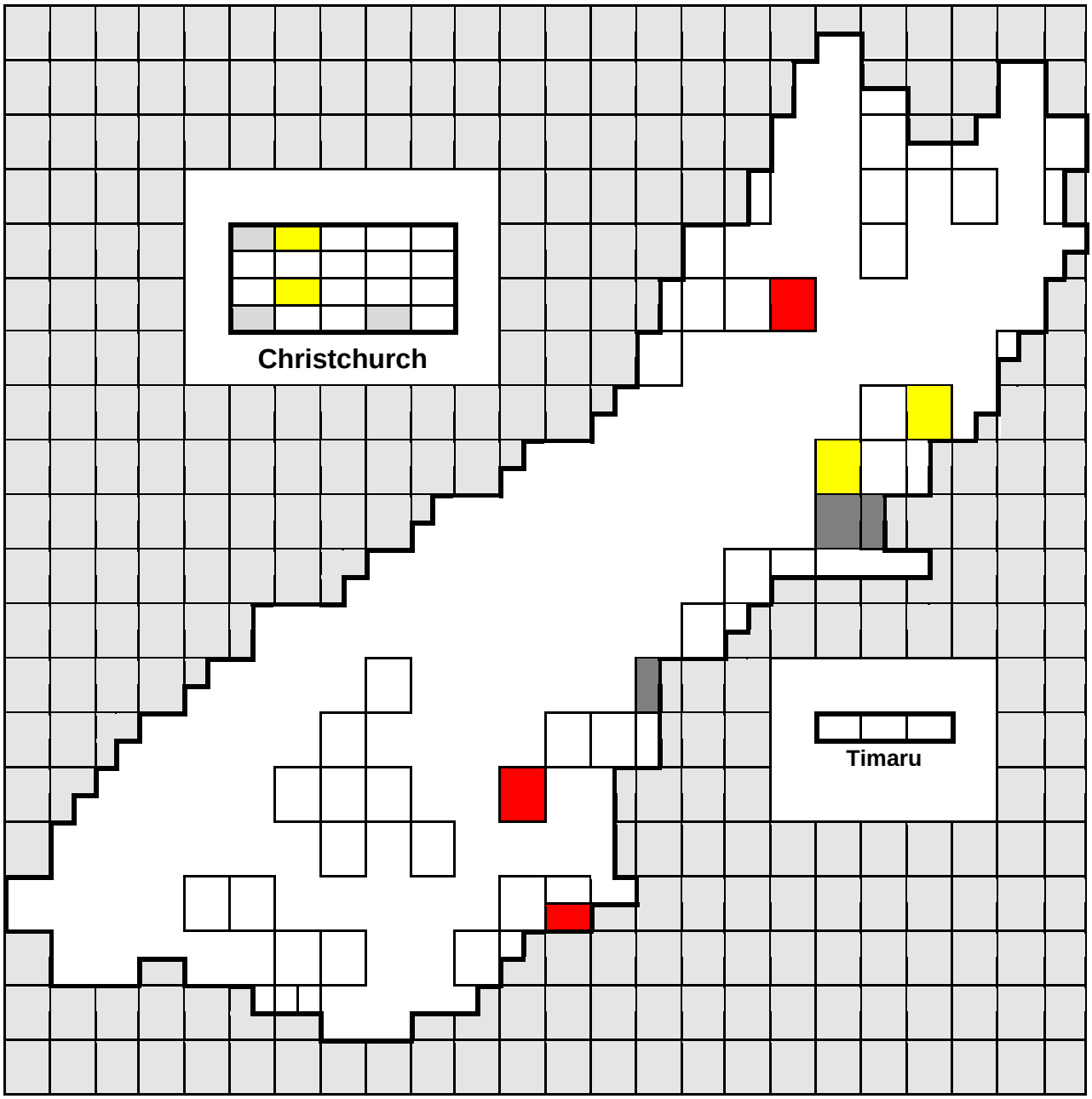
No bags

See urban map insert

Pegs not and No pegs

Map 2: Alternatives to *No backs: Indian giver, white rabbits*





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.

Indian Giver

See urban map insert

White rabbits

Q12 statistics: alternatives to *no returns*
Alternatives to *no returns* by Decile
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	bagsno12	-1.7738	0.4587	-2.6729	-0.8747	-3.867	0.0001
item	indian	-0.5857	0.5133	-1.5918	0.4205	-1.141	0.2539
item	no_pass	-2.6837	1.4191	-5.4650	0.0976	-1.891	0.0586
item	nobags12	-0.8091	0.4250	-1.6422	0.0239	-1.904	0.0569
item	oo_fu	-3.4231	1.3308	-6.0314	-0.8147	-2.572	0.0101
item	pegsn12	-1.7527	0.6203	-2.9684	-0.5369	-2.826	0.0047
item	whiter12	-3.4994	0.8156	-5.0979	-1.9010	-4.291	0.0000
decile*item	bagsno12	0.0853	0.0681	-0.0481	0.2188	1.2537	0.2099
decile*item	indian	-0.2998	0.1050	-0.5056	-0.0939	-2.854	**0.0043**
decile*item	no_pass	-0.2480	0.3243	-0.8835	0.3876	-.7647	0.4444
decile*item	nobags12	-0.0676	0.0689	-0.2026	0.0674	-.9819	0.3261
decile*item	oo_fu	-0.1718	0.2502	-0.6622	0.3187	-.6865	0.4924
decile*item	pegsn12	-0.1484	0.1111	-0.3662	0.0694	-1.336	0.1817
decile*item	whiter12	0.2149	0.1103	-0.0013	0.4311	1.9483	0.0514
scale	1.0141	.	.	.	.	.	

Alternatives to *no returns* by Main Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-1.7918	0.7638	5.5035	0.0190
item	indian	1	-2.5649	1.0377	6.1090	0.0134
item	no_pass	1	-27.3651	0.5932	2128.3102	0.0001
item	nobags12	1	-27.3650	0.3038	8112.4660	0.0001
item	oo_fu	1	-27.3652	0.7198	1445.1621	0.0001
item	pegsn12	1	-27.3652	0.3387	6528.4515	0.0001
item	whiter12	1	-27.3645	0.3387	6528.1613	0.0001
item*region1	bagsno12, 1	1	1.4009	0.8101	2.9906	0.0837
item*region1	bagsno12, 2	1	-0.3773	0.8501	0.1970	0.6572
item*region1	bagsno12, 3	0	0.0000	0.0000	.	.
item*region1	Indian,1	1	1.1342	1.0907	1.0814	0.2984
item*region1	Indian,2	1	-0.3528	1.1578	0.0929	0.7606
item*region1	Indian,3	0	0.0000	0.0000	.	.
item*region1	no_pass, 1	0	24.4748	0.0000	.	.
item*region1	no_pass, 2	1	-0.0002	99141.8609	0.0000	1.0000
item*region1	no_pass, 3	0	0.0000	0.0000	.	.
item*region1	nobags12, 1	1	26.9007	0.4078	4350.5753	**0.0001**
item*region1	nobags12, 2	0	25.7556	0.0000	.	.
item*region1	nobags12, 3	0	0.0000	0.0000	.	.
item*region1	oo_fu,1	0	24.0511	0.0000	.	.
item*region1	oo_fu,2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	oo_fu,3	0	0.0000	0.0000	.	.
item*region1	pegsn12, 1	1	23.3398	1.0642	480.9856	**0.0001**
item*region1	pegsn12, 2	0	25.4482	0.0000	.	.
item*region1	pegsn12, 3	0	0.0000	0.0000	.	.
item*region1	whiter12, 1	1	25.2245	0.5486	2114.0065	**0.0001**
item*region1	whiter12, 2	0	25.4476	0.0000	.	.
item*region1	whiter12, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 -2 for bagsno12	1	17.0149	**0.0001**	LR
1 -2 for Indian	1	6.7109	**0.0096**	LR

Alternatives to *no returns* by Sub-Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-1.7918	0.7638	5.5035	0.0190
item	indian	1	-2.5649	1.0377	6.1090	0.0134
item	no_pass	1	-26.3651	0.7475	1243.8964	0.0001
item	nobags12	1	-26.3652	1.0541	625.6105	0.0001
item	oo_fu	1	-26.3653	0.7475	1243.9175	0.0001
item	pegsn12	1	-26.3653	1.0954	579.2728	0.0001
item	whiter12	1	-26.3650	0.5669	2162.5707	0.0001
item*region2	bagsno12, 1	1	0.1823	1.3354	0.0186	0.8914
item*region2	bagsno12, 2	1	1.0986	1.1547	0.9052	0.3414
item*region2	bagsno12, 3	1	2.3308	0.8997	6.7106	**0.0096**
item*region2	bagsno12, 4	1	0.9808	0.8740	1.2594	0.2618
item*region2	bagsno12, 5	1	-0.6061	1.2939	0.2194	0.6395
item*region2	bagsno12, 6	1	-0.0541	0.9845	0.0030	0.9562
item*region2	bagsno12, 7	1	0.5390	1.1073	0.2369	0.6264
item*region2	bagsno12, 8	1	-24.5736	216811.094	0.0000	0.9999
item*region2	bagsno12, 9	1	-1.0415	1.2815	0.6605	0.4164
item*region2	bagsno12, 10	1	-0.4055	1.3017	0.0970	0.7554
item*region2	bagsno12, 11	0	0.0000	0.0000	.	.
item*region2	indian, 1	1	3.2581	1.3516	5.8104	**0.0159**
item*region2	indian, 2	1	-23.8004	216811.094	0.0000	0.9999
item*region2	indian, 3	1	1.2432	1.1805	1.1090	0.2923
item*region2	indian, 4	1	0.5281	1.2057	0.1918	0.6614
item*region2	indian, 5	1	0.1671	1.4724	0.0129	0.9097
item*region2	indian, 6	1	-0.4796	1.4576	0.1083	0.7421
item*region2	indian, 7	1	-23.8004	177025.517	0.0000	0.9999
item*region2	indian, 8	1	0.9555	1.5089	0.4010	0.5266
item*region2	indian, 9	1	-23.8004	125175.944	0.0000	0.9998
item*region2	indian, 10	1	0.3677	1.4792	0.0618	0.8037
item*region2	indian, 11	0	0.0000	0.0000	.	.
item*region2	no_pass, 1	1	24.7557	1.3262	348.4391	**0.0001**
item*region2	no_pass, 2	1	-0.0002	216811.094	0.0000	1.0000
item*region2	no_pass, 3	0	24.2250	0.0000	.	.
item*region2	no_pass, 4	1	-0.0002	104152.681	0.0000	1.0000
item*region2	no_pass, 5	1	-0.0002	153308.595	0.0000	1.0000
item*region2	no_pass, 6	1	-0.0002	113225.901	0.0000	1.0000
item*region2	no_pass, 7	1	-0.0002	177025.517	0.0000	1.0000
item*region2	no_pass, 8	1	-0.0002	216811.094	0.0000	1.0000
item*region2	no_pass, 9	1	-0.0002	125175.944	0.0000	1.0000
item*region2	no_pass, 10	1	-0.0002	167941.152	0.0000	1.0000
item*region2	no_pass, 11	0	0.0000	0.0000	.	.
item*region2	nobags12, 1	1	27.0583	1.3642	393.3957	**0.0001**

item*region2	nobags12, 2	1	24.7557	1.5202	265.1741	**0.0001**
item*region2	nobags12, 3	1	25.8262	1.1564	498.7595	**0.0001**
item*region2	nobags12, 4	1	25.8952	1.1285	526.5031	**0.0001**
item*region2	nobags12, 5	1	23.9673	1.4839	260.8654	**0.0001**
item*region2	nobags12, 6	1	25.3844	1.1577	480.7700	**0.0001**
item*region2	nobags12, 7	1	26.1420	1.2494	437.7691	**0.0001**
item*region2	nobags12, 8	1	-0.0001	216811.094	0.0000	1.0000
item*region2	nobags12, 9	1	23.5320	1.4731	255.1936	**0.0001**
item*region2	nobags12, 10	0	24.1680	0.0000	.	.
item*region2	nobags12, 11	0	0.0000	0.0000	.	.
item*region2	oo_fu, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	oo_fu, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	oo_fu, 3	0	24.2253	0.0000	.	.
item*region2	oo_fu, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	oo_fu, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	oo_fu, 6	1	0.0000	113225.901	0.0000	1.0000
item*region2	oo_fu, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	oo_fu, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	oo_fu, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	oo_fu, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	oo_fu, 11	0	0.0000	0.0000	.	.
item*region2	pegsn12, 1	1	-0.0001	216811.094	0.0000	1.0000
item*region2	pegsn12, 2	1	-0.0001	216811.094	0.0000	1.0000
item*region2	pegsn12, 3	1	-0.0001	121837.317	0.0000	1.0000
item*region2	pegsn12, 4	1	23.1464	1.4967	239.1765	**0.0001**
item*region2	pegsn12, 5	1	27.4639	1.2824	458.6745	**0.0001**
item*region2	pegsn12, 6	1	-0.0001	113225.901	0.0000	1.0000
item*region2	pegsn12, 7	1	-0.0001	177025.517	0.0000	1.0000
item*region2	pegsn12, 8	0	24.7558	0.0000	.	.
item*region2	pegsn12, 9	1	-0.0001	125175.944	0.0000	1.0000
item*region2	pegsn12, 10	1	-0.0001	167941.152	0.0000	1.0000
item*region2	pegsn12, 11	0	0.0000	0.0000	.	.
item*region2	whiter12, 1	1	-0.0003	216811.094	0.0000	1.0000
item*region2	whiter12, 2	1	-0.0003	216811.094	0.0000	1.0000
item*region2	whiter12, 3	1	23.4746	1.1734	400.1913	**0.0001**
item*region2	whiter12, 4	1	24.9299	0.7544	1092.1749	**0.0001**
item*region2	whiter12, 5	1	23.9671	1.1884	406.7165	**0.0001**
item*region2	whiter12, 6	1	25.1412	0.7617	1089.3196	**0.0001**
item*region2	whiter12, 7	1	-0.0003	177025.517	0.0000	1.0000
item*region2	whiter12, 8	1	-0.0003	216811.094	0.0000	1.0000
item*region2	whiter12, 9	0	25.1122	0.0000	.	.
item*region2	whiter12, 10	1	-0.0003	167941.152	0.0000	1.0000
item*region2	whiter12, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Alternatives to *no returns* by Island

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-2.1401	0.4316	24.5867	0.0001
item	indian	1	-2.8904	0.5932	23.7437	0.0001
item	no_pass	1	-26.3653	0.5869	2018.1166	0.0001
item	nobags12	1	-2.1401	0.4316	24.5867	0.0001
item	oo_fu	1	-26.3653	0.7148	1360.3624	0.0001
item	pegsn12	1	-4.0254	1.0089	15.9192	0.0001
item	whiter12	1	-2.5840	0.5185	24.8339	0.0001
item*island	bagsno12, 1	1	1.2462	0.4883	6.5131	**0.0107**
item*island	bagsno12, 2	0	0.0000	0.0000	.	.
item*island	indian, 1	1	1.1600	0.6603	3.0866	0.0789
item*island	indian, 2	0	0.0000	0.0000	.	.
item*island	no_pass, 1	0	22.9641	0.0000	.	.
item*island	no_pass, 2	0	0.0000	0.0000	.	.
item*island	nobags12, 1	1	1.3485	0.4862	7.6926	**0.0055**
item*island	nobags12, 2	0	0.0000	0.0000	.	.
item*island	oo_fu, 1	0	22.5476	0.0000	.	.
item*island	oo_fu, 2	0	0.0000	0.0000	.	.
item*island	pegsn12, 1	1	1.9091	1.0630	3.2256	0.0725
item*island	pegsn12, 2	0	0.0000	0.0000	.	.
item*island	whiter12, 1	1	0.6745	0.6038	1.2478	0.2640
item*island	whiter12, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Alternatives to *no returns* by Catholic

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-1.9459	0.7559	6.6265	0.0100
item	indian	1	-2.7081	1.0328	6.8752	0.0087
item	no_pass	1	-25.3653	0.7126	1267.1532	0.0001
item	nobags12	1	-1.9459	0.7559	6.6265	0.0100
item	oo_fu	1	-25.3653	0.7126	1267.1532	0.0001
item	pegsn12	1	-2.7081	1.0328	6.8752	0.0087
item	whiter12	1	-1.9459	0.7559	6.6265	0.0100
item*catholic	bagsno12, 1	1	0.7320	0.7840	0.8717	0.3505
item*catholic	bagsno12, 2	0	0.0000	0.0000	.	.
item*catholic	indian, 1	1	0.6625	1.0686	0.3844	0.5353
item*catholic	indian, 2	0	0.0000	0.0000	.	.
item*catholic	no_pass, 1	0	21.1987	0.0000	.	.
item*catholic	no_pass ,2	0	0.0000	0.0000	.	.
item*catholic	nobags12, 1	1	0.8575	0.7823	1.2015	0.2730
item*catholic	nobags12, 2	0	0.0000	0.0000	.	.
item*catholic	oo_fu, 1	0	21.1987	0.0000	.	.
item*catholic	oo_fu, 2	0	0.0000	0.0000	.	.
item*catholic	pegsn12, 1	1	0.2148	1.0839	0.0393	0.8429
item*catholic	pegsn12, 2	0	0.0000	0.0000	.	.
item*catholic	whiter12, 1	1	-0.1772	0.8071	0.0482	0.8262
item*catholic	whiter12, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Alternatives to *no returns* by Urban/Rural

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-0.9886	0.2928	11.3969	0.0007
item	indian	1	-2.1785	0.4307	25.5802	0.0001
item	no_pass	1	-3.3499	0.7194	21.6829	0.0001
item	nobags12	1	-1.3652	0.3234	17.8175	0.0001
item	oo_fu	1	-3.3499	0.7194	21.6829	0.0001
item	pegsn12	1	-2.9267	0.5926	24.3908	0.0001
item	whiter12	1	-2.0053	0.4026	24.8098	0.0001
item*urb_rur	bagsno12, 1	1	-0.4123	0.3988	1.0685	0.3013
item*urb_rur	bagsno12, 2	0	0.0000	0.0000	.	.
item*urb_rur	indian, 1	1	0.2589	0.5383	0.2314	0.6305
item*urb_rur	indian, 2	0	0.0000	0.0000	.	.
item*urb_rur	no_pass, 1	1	-1.0927	1.2367	0.7808	0.3769
item*urb_rur	no_pass, 2	0	0.0000	0.0000	.	.
item*urb_rur	nobags12, 1	1	0.2974	0.4070	0.5338	0.4650
item*urb_rur	nobags12, 2	0	0.0000	0.0000	.	.
item*urb_rur	oo_fu, 1	1	-23.0154	57267.4574	0.0000	0.9997
item*urb_rur	oo_fu, 2	0	0.0000	0.0000	.	.
item*urb_rur	pegsn12, 1	1	0.6495	0.6993	0.8626	0.3530
item*urb_rur	pegsn12, 2	0	0.0000	0.0000	.	.
item*urb_rur	whiter12, 1	1	-0.2719	0.5476	0.2466	0.6195
item*urb_rur	whiter12, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Alternatives to *no returns* in 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	bagsno12	1	-2.1691	0.3732	33.7780	0.0001
item	indian	1	-2.9178	0.5133	32.3072	0.0001
item	no_pass	1	-26.3653	0.5932	1975.6300	0.0001
item	nobags12	1	-1.6094	0.3038	28.0615	0.0001
item	oo_fu	1	-26.3653	0.7198	1341.4795	0.0001
item	pegsn12	1	-1.9169	0.3387	32.0349	0.0001
item	whiter12	1	-1.9169	0.3387	32.0349	0.0001
item*region1	bagsno12, 1	1	1.7782	0.4606	14.9025	**0.0001**
item*region1	bagsno12, 2	0	0.0000	0.0000	.	.
item*region1	indian, 1	1	1.4870	0.6133	5.8784	**0.0153**
item*region1	indian, 2	0	0.0000	0.0000	.	.
item*region1	no_pass, 1	0	23.4749	0.0000	.	.
item*region1	no_pass, 2	0	0.0000	0.0000	.	.
item*region1	nobags12, 1	1	1.1451	0.4078	7.8837	**0.0050**
item*region1	nobags12, 2	0	0.0000	0.0000	.	.
item*region1	oo_fu, 1	0	23.0511	0.0000	.	.
item*region1	oo_fu, 2	0	0.0000	0.0000	.	.
item*region1	pegsn12, 1	1	-2.1084	1.0642	3.9251	**0.0476**
item*region1	pegsn12, 2	0	0.0000	0.0000	.	.
item*region1	whiter12, 1	1	-0.2231	0.5486	0.1654	0.6842
item*region1	whiter12, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Alternatives to *no returns* in 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	bagsno12	1	-1.8458	0.6213	8.8274	0.0030
item	indian	1	-3.0445	1.0235	8.8478	0.0029
item	no_pass	1	-27.3653	0.7475	1340.0636	0.0001
item	nobags12	1	-0.9808	0.4787	4.1979	0.0405
item	oo_fu	1	-27.3653	0.7475	1340.0641	0.0001
item	pegsn12	1	-27.3653	0.6667	1684.9364	0.0001
item	whiter12	1	-1.2238	0.5087	5.7863	0.0162
item*region2	bagsno12, 1	1	0.2364	1.2594	0.0352	0.8511
item*region2	bagsno12, 2	1	1.1527	1.0658	1.1696	0.2795
item*region2	bagsno12, 3	1	2.3848	0.7824	9.2907	**0.0023**
item*region2	bagsno12, 4	1	1.0349	0.7527	1.8905	0.1691
item*region2	bagsno12, 5	1	-0.5521	1.2153	0.2064	0.6496
item*region2	bagsno12, 6	0	0.0000	0.0000	.	.
item*region2	indian, 1	1	3.7377	1.3408	7.7715	**0.0053**

item*region2	indian, 2	1	-24.3208	357461.063	0.0000	0.9999
item*region2	indian, 3	1	1.7228	1.1680	2.1754	0.1402
item*region2	indian, 4	1	1.0076	1.1935	0.7128	0.3985
item*region2	indian, 5	1	0.6466	1.4624	0.1955	0.6584
item*region2	indian, 6	0	0.0000	0.0000	.	.
item*region2	no_pass, 1	1	25.7559	1.3262	377.1634	**0.0001**
item*region2	no_pass, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	no_pass, 3	0	25.2252	0.0000	.	.
item*region2	no_pass, 4	1	-0.0000	171718.740	0.0000	1.0000
item*region2	no_pass, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	no_pass, 6	0	0.0000	0.0000	.	.
item*region2	nobags12, 1	1	1.6740	0.9895	2.8618	0.0907
item*region2	nobags12, 2	1	-0.6286	1.1955	0.2765	0.5990
item*region2	nobags12, 3	1	0.4418	0.6748	0.4287	0.5126
item*region2	nobags12, 4	1	0.5108	0.6258	0.6662	0.4144
item*region2	nobags12, 5	1	-1.4171	1.1489	1.5212	0.2174
item*region2	nobags12, 6	0	0.0000	0.0000	.	.
item*region2	oo_fu, 1	1	-0.0000	357461.063	0.0000	1.0000
item*region2	oo_fu, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	oo_fu, 3	0	25.2252	0.0000	.	.
item*region2	oo_fu, 4	1	-0.0000	171718.740	0.0000	1.0000
item*region2	oo_fu, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	oo_fu, 6	0	0.0000	0.0000	.	.
item*region2	pegsn12, 1	1	-0.0000	357461.063	0.0000	1.0000
item*region2	pegsn12, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	pegsn12, 3	1	-0.0000	200875.776	0.0000	1.0000
item*region2	pegsn12, 4	1	24.1464	1.2184	392.7736	**0.0001**
item*region2	pegsn12, 5	0	28.4639	0.0000	.	.
item*region2	pegsn12, 6	0	0.0000	0.0000	.	.
item*region2	whiter12, 1	1	-26.1415	357461.063	0.0000	0.9999
item*region2	whiter12, 2	1	-26.1415	357461.063	0.0000	0.9999
item*region2	whiter12, 3	1	-1.6666	1.1465	2.1132	0.1460
item*region2	whiter12, 4	1	-0.2113	0.7116	0.0882	0.7665
item*region2	whiter12, 5	1	-1.1741	1.1618	1.0214	0.3122
item*region2	whiter12 6	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Alternatives to *no returns* by Island and Main Region, Model 2

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-1.7918	0.7638	5.5035	0.0190
item	indian	1	-2.5649	1.0377	6.1090	0.0134
item	no_pass	1	-27.3652	0.5932	2128.3299	0.0001
item	nobags12	1	-27.3652	0.4401	3866.1854	0.0001

item	oo_fu	1	-27.3652	0.7198	1445.1617	0.0001
item	pegsn12	1	-27.3648	1.0118	731.4166	0.0001
item	whiter12	1	-27.3655	0.5250	2716.8382	0.0001
item*region1	bagsno12, 1	1	1.1713	1.1019	1.1300	0.2878
item*region1	bagsno12, 2	1	-0.4855	0.9268	0.2744	0.6004
item*region1	bagsno12, 3	0	0.0000	0.0000	.	.
item*region1	indian, 1	1	0.9171	1.4981	0.3748	0.5404
item*region1	indian, 2	1	-0.4555	1.2654	0.1296	0.7189
item*region1	indian, 3	0	0.0000	0.0000	.	.
item*region1	no_pass, 1	0	24.4749	0.0000	.	.
item*region1	no_pass, 2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	no_pass, 3	0	0.0000	0.0000	.	.
item*region1	nobags12, 1	1	26.4681	0.5026	2773.4178	**0.0001**
item*region1	nobags12, 2	0	25.5461	0.0000	.	.
item*region1	nobags12, 3	0	0.0000	0.0000	.	.
item*region1	oo_fu, 1	0	24.0510	0.0000	.	.
item*region1	oo_fu, 2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	oo_fu, 3	0	0.0000	0.0000	.	.
item*region1	pegsn12, 1	1	20.6626	1.0805	365.7131	**0.0001**
item*region1	pegsn12, 2	0	23.6271	0.0000	.	.
item*region1	pegsn12, 3	0	0.0000	0.0000	.	.
item*region1	whiter12, 1	1	24.5237	0.6224	1552.3391	**0.0001**
item*region1	whiter12, 2	0	25.0883	0.0000	.	.
item*region1	whiter12, 3	0	0.0000	0.0000	.	.
item*island	bagsno12, 1	1	0.2296	0.7469	0.0945	0.7586
item*island	bagsno12, 2	0	0.0000	0.0000	.	.
item*island	indian, 1	1	0.2171	1.0270	0.0447	0.8326
item*island	indian, 2	0	0.0000	0.0000	.	.
item*island	no_pass, 1	0	0.0000	0.0000	.	.
item*island	no_pass, 2	0	0.0000	0.0000	.	.
item*island	nobags12, 1	1	0.4329	0.6101	0.5033	0.4780
item*island	nobags12, 2	0	0.0000	0.0000	.	.
item*island	oo_fu, 1	0	0.0000	0.0000	.	.
item*island	oo_fu, 2	0	0.0000	0.0000	.	.
item*island	pegsn12, 1	1	2.6768	1.0832	6.1065	**0.0135**
item*island	pegsn12, 2	0	0.0000	0.0000	.	.
item*island	whiter12, 1	1	0.7017	0.6905	1.0328	0.3095
item*island	whiter12, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Two alternatives to *no returns* 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	bagsno12	-1.7918	0.7638	-3.2887	-0.2948	-2.346	0.0190
item	indian	-2.5649	1.0377	-4.5989	-0.5310	-2.472	0.0134
item*reg1	bagsno12, 1	1.1713	1.1019	-0.9883	3.3309	1.0630	0.2878
item*reg1	bagsno12, 2	-0.4855	0.9268	-2.3020	1.3310	-.5238	0.6004
item*reg1	bagsno12, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*reg1	indian, 1	0.9171	1.4981	-2.0191	3.8533	0.6122	0.5404
item*reg1	indian, 2	-0.4555	1.2654	-2.9357	2.0247	-.3599	0.7189
item*reg1	indian, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	bagsno12, 1	0.2296	0.7469	-1.2344	1.6935	0.3074	0.7586
item*island	bagsno12, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*island	indian, 1	0.2171	1.0270	-1.7958	2.2299	0.2114	0.8326
item*island	indian, 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 bagsno12	1	9.6042	**0.0019**	LR

Two alternatives to *no returns* 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	bagsno12	-2.9556	0.9847	-4.8856	-1.0256	-3.001	0.0027
item	indian	-1.4038	0.9251	-3.2169	0.4094	-1.517	0.1292
item*reg 1	bagsno12, 1	1.5479	0.8251	-0.0692	3.1651	1.8761	0.0606
item*reg 1	bagsno12, 2	-0.6074	0.8514	-2.2761	1.0613	-.7135	0.4756
item*reg 1	bagsno12, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*reg 1	indian, 1	0.9760	1.1524	-1.2827	3.2347	0.8469	0.3971
item*reg 1	indian, 2	-0.1666	1.2755	-2.6665	2.3333	-.1306	0.8961
item*reg 1	indian, 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
decile*item	bagsno12	0.2002	0.0814	0.0407	0.3597	2.4594	**0.0139**
decile*item	indian	-0.2295	0.1009	-0.4272	-0.0318	-2.275	**0.0229**
scale	1.0459	.	.	.	.	.	

CONTRAST Statement Results

Contrast	DF	ChiSquare	Pr>Chi	Type
1 –2 for Indian	1	3.8411	**0.0500**	LR

Alternatives to *no returns* by Island and Main Region, N and C only, model 2

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bagsno12	1	-2.2773	0.5250	18.8141	0.0001
item	indian	1	-3.0204	0.7241	17.3973	0.0001
item	no_pass	1	-26.3653	0.5932	1975.6300	0.0001
item	nobags12	1	-1.8192	0.4401	17.0854	0.0001
item	oo_fu	1	-26.3653	0.7198	1341.4794	0.0001
item	pegsn12	1	-3.7377	1.0118	13.6453	0.0002
item	whiter12	1	-2.2773	0.5250	18.8141	0.0001
item*region1	bagsno12, 1	1	1.6568	0.5959	7.7294	**0.0054**
item*region1	bagsno12, 2	0	0.0000	0.0000	.	.
item*region1	indian, 1	1	1.3726	0.8018	2.9303	0.0869
item*region1	indian, 2	0	0.0000	0.0000	.	.
item*region1	no_pass, 1	0	23.4749	0.0000	.	.
item*region1	no_pass, 2	0	0.0000	0.0000	.	.
item*region1	nobags12, 1	1	0.9220	0.5026	3.3653	0.0666
item*region1	nobags12, 2	0	0.0000	0.0000	.	.
item*region1	oo_fu, 1	0	23.0511	0.0000	.	.
item*region1	oo_fu 2	0	0.0000	0.0000	.	.
item*region1	pegsn12, 1	1	-2.9645	1.0805	7.5278	**0.0061**
item*region1	pegsn12, 2	0	0.0000	0.0000	.	.
item*region1	whiter12, 1	1	-0.5645	0.6224	0.8226	0.3644
item*region1	whiter12, 2	0	0.0000	0.0000	.	.
item*island	bagsno12, 1	1	0.2296	0.7469	0.0945	0.7586
item*island	bagsno12, 2	0	0.0000	0.0000	.	.
item*island	indian, 1	1	0.2171	1.0270	0.0447	0.8326
item*island	indian, 2	0	0.0000	0.0000	.	.
item*island	no_pass, 1	0	-0.0000	0.0000	.	.
item*island	no_pass, 2	0	0.0000	0.0000	.	.
item*island	nobags12, 1	1	0.4329	0.6101	0.5033	0.4780
item*island	nobags12, 2	0	0.0000	0.0000	.	.
item*island	oo_fu, 1	0	-0.0000	0.0000	.	.
item*island	oo_fu 2	0	0.0000	0.0000	.	.
item*island	pegsn12, 1	1	2.6768	1.0832	6.1065	**0.0135**
item*island	pegsn12, 2	0	0.0000	0.0000	.	.
item*island	whiter12, 1	1	0.7017	0.6905	1.0328	0.3095
item*island	whiter12, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	