Truce Terms
Laurie and Winifred Bauer

A 'truce term' (in the terminology used by child folklorists) is a term which gives you temporary immunity when you are playing a game. It does not mean that you are giving in, or giving up, but gives a period of temporary respite. Sometimes children establish the grounds for granting truces (e.g. not allowed for being puffed or getting a drink, but allowed for taking off excess clothing or tying up shoelaces) at the start of a game; sometimes they agree that there will be no truces (e.g. by saying "No *pegs*" which means that the use of the truce term *pegs* will not be allowed in this game).
Question 1(d) asked about truce terms in the basic chasing game. The question was a sub-part of a question about this game:

1 At your school, do children play a game with many players where one player has to run and try to touch another player while all the other players try to run away and not get touched?
(a) …
(b) …
(c) …
(d) Is there a word which you can say to show that you are not playing for a short time, for instance because you need to tie up your shoelace?

Question 1(d) produced a considerable variety of different responses, 83 in all. Reducing this data to manageable proportions was not entirely straightforward. Forms occurring only once (e.g. *jinx, taiho, halftime, nots* (probably *knots*), *Bali* (for *barley*)) were eliminated, even where it is known that these are regional terms from Britain.
Certain other variants were grouped together:
Pegs includes *pegsed, pex, pax, pags,* and perhaps more controversially *pads* and *paxted.*
Poison includes *poisons, poisoned, poisonous.*
Quits includes *quitsies, quids and quince.*
Fans includes *fangs.*
Tags includes *tag, tax, taxed.*
Time out includes *time* and a T hand or finger gesture.
Certain groups were made on semantic rather than formal grounds:
Wait includes *hold, hold on/up, hang on, wait on/up, wait there.*
Stop includes *pause(d).*
Den includes *base, home.*

Even after all that simplification of categories, there were still over twenty forms left in the analysis. Further small categories (fewer than 5 occurrences) which did not show any regional tendency were then eliminated (e.g. *(white) rabbits*).
The remaining terms fell into two broad groups. The first group could be regarded as ordinary language terms asking for a truce: *time (out), stop, not playing/ready, wait.* While these were quite common responses, they did not appear to show any evidence of regional distribution. The second group consists of special terms whose use in this context could not be predicted from their meaning: *pegs, bags, fans, twig(s), nibs, gates, tags, flicks, quits,* and perhaps more

controversially, *poison* and *safe*. A number of these showed clear patterns of regional distribution. Only this second group was considered further.

There are five of these terms which are strongly regional in their distribution. The clearest case is *nibs*, which is found in Southland / Otago, almost to the exclusion of any other term. The boundary of the *nibs* region is very similar to that found with other chasing-game terms: the Central Otago Lakes district is not part of this linguistic cluster, but it extends north as far as the Maniototo and the Clutha Valley.

Fans is restricted to the Wellington region. It is found almost to the exclusion of other terms in the Wellington urban area, and is reported as far north as N.Wairarapa, but not in the Manawatu. Because of a shortage of data in the Wairarapa, it is not clear how widespread it is there. Two schools in the Wellington area reported *fangs* as well: this looks like the kind of joke which pervades the data, but it may point to a change to come. School visits confirmed that it is not used in the north of the Wellington sub-region, and neither is it known in southern Hawkes Bay.

Gates is largely restricted to the Auckland urban area. It is not the dominant term there, but coexists with a variety of other forms. However, six schools in that area reported it. There was one isolated occurrence in the central North Island. During school visits, it was reported from another school in the Auckland sub-region, but was not known in the other schools visited in the Northern Region.

Twig(s) is fairly strongly regionalised to Taranaki, where it is found almost to the exclusion of other terms. However, there are two reports of this term in the Hauraki Plains south-east of Auckland, and another in Northland (in a school which we know to have a population drawn from many other areas). We presume that these occurrences outside Taranaki are produced by mobile populations, although one school in the Hauraki Plains reported no other terms, which is surprising. Two years later, during school visits, this term was still in use in the Northland school which originally reported it. The children said they had learned it at pre-school.

The terms *tags, tag, taxed* (which were grouped together) are also concentrated in the north of the Nelson and Marlborough areas of the South Island. Again, they are found there almost to the exclusion of other terms, although one school in the area did not report this term. There are two reports of this term from Northland, as well, which is quite unexpected and no obvious explanation for this presents itself. Statistically, the regionalisation to Nelson – Marlborough is not significant.

Some of the other minor terms also have regional strongholds. *Safe* has only five occurrences in all, but all of them are in the South Island, three in Canterbury. (One of the others is in the far south of Southland, which regularly reports a mixture of regional terms, presumably because the establishment of the aluminium smelter there has brought in many outsiders.)

Quits (with only eight occurrences) is a North Island term, although there is one report from Christchurch. Five of the eight occurrences are in the Auckland urban area.

Flicks/flix is a lower North Island term. Four of the five reports of this term are in the Wellington and Wairarapa regions. (The other is from central Auckland, presumably an import.) Because Wellington and Wairarapa are not in the same sub-region on our analysis, this regionalisation is not supported statistically.

This leaves three high-frequency terms. Two of these also show a strong tendency to regional distribution, although there are quite a number of reports from areas outside the dominant region. *Bags* is fairly regularly reported as far south as the Hauraki Plains, but is reported only sporadically south of that area. *Poison* is found with great regularity in the North Island as far south as the Manawatu, but only very sporadically south of that. However, the southern border of this term is further south than the border between the Northern and Central areas falls in other sets of data. During school visits, a number of schools in the Northern Region reported that *poison* is reserved exclusively for the game Handball/Four Square. It is thus in all probability not a competitor with *pegs*, which is used in games like Tiggy.

The "elsewhere" truce term is *pegs*. It is reported by almost every school from Northland to Manawatu, where it gives way to *fans*. It is then reported by almost every school from the south of the Nelson district (including the West Coast), as far as the Clutha River, where it gives way to *nibs*. While it competes with *bags* and/or *poison* in the North Island, it is found almost to the exclusion of other terms in the central areas of the South Island.

A table showing the distribution of these three last terms follows.

	Northern		Central		Southern	
	No.	%	No.	%	No.	%
Schools	57	38	78	52	14	9
bags	19	73	7	27	0	0
poison	22	51	19	44	2	5
pegs	37	40	53	57	3	3

Two maps are included to illustrate this data. The first contains the very localised truce terms. The second contains the three forms from the last table.

Statistical Analysis

Because of the large number of terms in this set which appeared to be regionalised in very small regions, the statistical analysis was less satisfactory than with many other sets of data. In particular, this was a problem in terms of analysis into sub-regions. The following information was deduced from the statistical analysis.

Bags

Bags is more common in the Northern Region than the Southern Region, (p-value 0.0001), and more common in the Northern than the Central Region (p-value 0.0004). *Bags* was reported from all sub-regions except the West Coast and Southland–Otago. When just the Northern Region sub-regions are considered, *bags* is significantly more common in WNth (p-value 0.0101) and Ak (0.0052) than in CNIs. When just the North Island sub-regions are considered, *bags* is significantly more common in WNth (p-value 0.0053) and Ak (0.0050) than in Wn. *Bags* was shown to be significantly more common in the North Island than the South (p-value 0.0137). This was predictable in light of its prominence in the Northern Region.

Fans

Fans is more common in high decile schools (p-value 0.0340). The term *fans* is found only in the Wellington sub-region. *Fans* is also more common in Catholic

schools than non-Catholic schools (p-value 0.0167). This is almost certainly just a reflection of the distribution of Catholic schools in the Wellington region.
Similarly, *fans* was the only truce term affected by the Urban / Rural distribution: it was more common (p-value 0.0116) in urban than rural schools. This is also a reflection of the dominance of the Wellington urban area in the Wellington sub-region. When just the Wellington sub-region is considered, *fans* was not significantly correlated with any of these other factors, which shows clearly that they are a reflection of the characteristics of the participating schools in this region.

Flix

Flix is just significantly high decile (p-value 0.0440). It is more common in the Northern Region than the Southern Region (p-value 0.0001), but no figure is given by the program for the comparison between the Central Region and the Southern Region. Since all occurrences of *flix* except one are in the Central Region, this lack of result is counter-intuitive. The sub-regional analysis confirmed that almost all the occurrences are in the Wellington sub-region. The correlation with high decile is almost certainly a result of the Wellington sub-region location.

Gates

G*ates* is found only in the Northern Region. When just the Northern Region was considered, *gates* is shown to be significantly more common in Ak (p-value 0.0309) than CNIs.

Nibs

Because there was one occurrence of *nibs* outside the Southern Region (in the nearest school in the Central Region), the program reported that *nibs* was significantly less common in the Central than the Southern Region (p-value 0.0001). However, with no occurrences of *nibs* in the Northern Region, the p-value comparing the Northern and Southern Regions was 0.9998, which, of course is not significant at all, contrary to expectations. *Nibs* was reported as significantly less common in sub-region T – CL than in S–O (p-value 0.0022). This confirms that it is predominantly restricted to the Southern Region.

Pegs

Pegs is commoner in both the Northern and Central Regions than in the Southern Region (p-values respectively 0.0069 and 0.0041). However, the difference between the Northern and Central Regions is not significant (p-value 0.0766), although the fact that the p-value is not so far above the significant figure (0.05) shows that there is clearly a tendency for *pegs* to be more common in the Central Region than the Northern Region.
Pegs was reported as significantly more common in many sub-regions than in S–O. For WNth the p-value was 0.0225; for CNIs 0.0067; for HB 0.0027; for WCst 0.0225; for Chch 0.0007.
Clearly, the most important fact about *pegs* is that it is much less common in the Southern Region than elsewhere.

Poison

All three regional comparisons for *poison* were calculated, and none was significant. However, *poison* is significantly more common in the North Island (p-value 0.0078) than the South.

Quits

Quits is significantly more common in the Northern Region than in the Southern Region (p-value 0.0001). When the Southern Region was eliminated, *quits* was shown to be significantly more common in the Northern Region than the Central (0.0283). *Quits* was reported as significantly more common in both Ak and CNIs than in S–O (p-value 0.0001 in both cases). All other sub-regions except Chch were recorded as identical to S–O, in not having *quits.* Considering just the North Island, *quits* is significantly more common in Ak (p-value 0.0001) than in Wn. When S–O was excluded, *quits* was more common in Ak and CNIs than T–CL (both p-values 0.0001).

This confirms that *quits* is largely an Auckland and Central North Island form.

Tags

Tags is significantly more common in the Northern Region than in the Southern Region (p-value 0.0001). *Tags,* however, is another case where the result is counter-intuitive: there are more instances of *tags* in the Central Region than in the Northern Region, and none in the Southern Region, but the program does not produce a figure for the Central-Southern comparison. *Tags* was reported as significantly more common in ENth than in S–O (p-value 0.0001). All other regions were recorded as identical to S–O (ie do not report *tags*) except region 7, Nelson–Marlborough, which is reported as having a large sampling error. This is the region where *tags* is most frequent, so the figures here are also counter-intuitive. When S–O was excluded, *tags* was more common in ENth than T–CL (0.0001). *Tags* is less common in the North Island than the South (p-value 0.0445).

Twigs

Because *twigs* is reported almost exclusively from the Central Region, and not at all from the Southern Region, the figures produced by the program for this form are also unhelpful. For *twigs,* WNth is reported as significantly more likely to have *twigs* than S–O, and all other regions except 4 (CNIs) are recorded as identical to S–O in not having *twigs*. CNIs includes Taranaki and the Hauraki Plains, where almost all the reports of *twigs* are found, so again, the lack of a high p-value for the comparison with this region is counter-intuitive. Considering just the North Island, *twigs* is significantly more common in WNth than in Wn (but this comparison still does not report the regionalisation to CNIs as significant.) When S–O was excluded, *twigs* was more common in WNth (0.0001) than in T–CL.

Again, the statistical process failed to produce a result which reflects what we know about the distribution of this form.

What we know of these terms elsewhere

The major published source of information on truce terms in Britain is Iona and Peter Opie's *The Lore and Language of School Children* (pp. 141-153). Some British truce terms are amongst those in use in New Zealand, but not all NZ terms are traceable to British terms recorded there. An article by Mary and Herbert Knapp outlines the truce terms found in the USA (Knapp & Knapp, 1973). The Knapps found that the principal truce terms in the USA in 1973 were *time (out)* and forms related to *Kings X*. While *time (out)* was found quite frequently in our survey, there was no evidence here of *Kings X* (or the related terms found in both the USA and Britain). Truce terms do not appear to have been recorded in Harry

Orsman's data base of NZ English: there was no record there even of the common form *pegs*, let alone the regionally restricted terms.

Pegs

We presume *pegs*, (including *pegsed, pex, pags, pagsed*) to be derived from *pax* (also attested in one case). The Opies found that *pax* was not a regional term in Britain: "The usual term in private schools and school stories, 'pax' is group dialect not regional dialect" (1959, 152). Why this rather upper-class term should have become the norm in NZ is an interesting, but probably unanswerable question. The most likely hypothesis is that it derived from the books and comics about life in British public schools. From our survey of *Listener* readers, it is clear that *pax* came to NZ in the 1920s and it was reported throughout the country in that decade. However, many respondents of that period reported that they did not have a truce term. In the 1940s *pax* became the norm for most respondents.

Nibs

We have not traced any other occurrences of *nibs*. It was not known by Iona Opie, who has studied these terms in Britain (there is no mention in Opie, 1959, and she confirmed by personal communication that she had not encountered it). Given the location in NZ in which it is found, the obvious hypothesis is that it is a Scottish term, but we have not been able to confirm this: it is not recorded in the *Scottish National Dictionary* (nor the *OED*) (the normal truce terms in Scotland in 1959 were *barley* or *keys*), and personal contacts in Scotland know only the standard Scottish truce terms.

One possible explanation is that it is a corruption of *nix* in the sense "nothing doing". (The use of this term to warn of the approach of a figure of authority, such as a teacher, may also play a part.) The likelihood that this is the origin is increased by the information (personal communication) from Marc Armitage of the Playpeople project based in Hull, UK, that the truce term *nigs* or *nix* was reported as used in South Africa by a boy who had moved from South Africa to Yorkshire. The term *nix* was confirmed as normal in South Africa by a visiting S. African linguist (Vivien de Klerk, personal communication), who was able to tell us that it comes to S. Africa via Afrikaans. *Nibs* would be a likely rationalisation from *nigs/nix*. If *nix* is indeed the origin, it is British public school slang, like *pax* (which gives rise to *pegs*); its strong regionalisation in NZ must then be good evidence for the cohesiveness and exclusiveness of the Southland-Otago linguistic region. However, there is an alternative origin: the Opies report (1959, 152) that *nicks* or *nix* was reported in Warwick, where it used to be *nicklas*. However, there is no obvious reason why a Warwick term should be transplanted to Southland-Otago. The earliest report of *nibs* from the *Listener* respondents was in the 1940s, and it has gradually ousted *pax* in that region. (It was also reported (Dianne Bardsley, personal communication) that *nibs* was used in the Wairarapa in the 1940s, although there is no trace of it there in our data now.)

Fans

Fans is likely to derive from *fains* (a form of *fainites*), which is known in the south of Britain. The Opies identify its range as "London and throughout southern England from Margate to Penzance" (1959, 151) except for some areas of east Hampshire and Devon. They found the variant *fans* in Gillingham in Kent. They have traced the term back to medieval English. It was first reported by our *Listener* readers before 1920, in the singular; the plural was the norm in the

1920's, and although it coexisted with *pax* in the Wellington region throughout the 1900s, it has always been the dominant term there. It was presumably brought from Britain by the settlers. Its restriction to the Wellington region is likely to provide good evidence of the cohesion and separateness of that region.

Quits

Quits was also noted by the Opies in various parts of Britain, but they comment that it is "probably not an 'authentic' truce term". It was first reported by *Listener* readers in the Northern Region (Auckland, Bay of Plenty) in the 1960s. It may thus have been brought by British migrants at that time. It was also reported by *Listener* respondents in Wellington in the 1930s-50s, but it then vanished in that area, presumably unable to survive against the widespread *pax* and *fans.*

Twigs

Twigs was found by the Opies in Penrith, and recollected from Cumbria. It apparently derives from a custom of crossing two *twigs* as a truce sign. The source of its importation to the Taranaki area remains a mystery. To judge by the reports of our Taranaki *Listener* respondents, it appeared in Taranaki in the 1970s, and seems almost to have ousted *pax/pegs* there. It seems likely that the reports in our data outside Taranaki are the result of Taranaki migrants.

None of the remaining common NZ truce terms (*bags, poison, gates, tags, flicks, safe*) is listed by the Opies (although some of those which were reported just once here, like *barley, den* are found in Britain). A search of dictionaries did not produce anything of value. None of these terms is listed as a truce term in any of the other major regional varieties of English (checks were made of the *Scottish National Dictionary*, *Webster's* and *Random House* (for the USA), the *Canadian Oxford*, the *Australian National Dictionary* and the *Macquarie Dictionary*, and the *South African Dictionary*).

Safe

The use of *safe* in this context is presumably just a minor extension of its normal language use. It is possible that the use of this term in baseball has influenced its use in this way.

Poison

The use of *poison*, is probably also an extension of the normal language use, although the semantics are very different from *safe*. The rationale must be that you claim that you are poison (or poisonous) to inhibit the chaser from touching you. It should perhaps be noted that it was the name for a particular hole when playing marbles, but we have not been able to trace any possible connection between this and the use as a truce term. However, during school visits, it became clear that in at least some schools this term is confined to the game Four Square or Hand Ball.

Tags

It seems possible that *tags* (which includes *tax(ed), tag*) is, like *pegs*, a corruption of *pax*. If this is the case, then *tax*, rather than *tags* is presumably the basic form; the fact that it is used in the game of Tag presumably contributed to the change in the final segment. However, Marc Armitage (personal communication) reports that since 1994, he has met *tax/taxed/taxes/tax it* as a truce term in Britain with increasing frequency. This would appear to throw doubt on the origin in *pax*, since *pax* was not a normal truce term in the area of Britain where these forms are appearing. It also calls into question which form is basic in the set. Further

questions about its origin are raised by the fact that in the Nelson-Marlborough area, its stronghold, it was first reported by *Listener* respondents in the 1930s. This was before the period when *pax* became common, although *pax* was reported in that area in the 1920s. It would perhaps be surprising if the corruption took place before the term became widespread.

Bags

Bags may also be a corruption of *pax*. The fact that it is quite widespread tends to confirm this. If *pax* was first corrupted to *pags*, then either *pegs* or *bags* would be a likely rationalisation towards a known item. This may have been indirectly reinforced by the use of *bags* in the sense "to lay claim to", as in *I bags the back seat*. If you bag(s) the back seat, you have reserved or saved that seat for yourself: the seat is saved or safe. (Both *saved* and *safe* occurred in that context in the responses to our questionnaire.) When you want to save yourself from tagging, or to make yourself safe, using the same term probably seems reasonable. It must be noted here that there were a small number of occurrences of *bags not* and *no bags* amongst the responses for truce terms. These are commonly used to ensure that something doesn't happen: *Bags not put the rubbish in the bin* is a formula used to ensure that you will not have to do this job. *Bags not* thus gives immunity from some situation. *No bags* is used similarly: if a classmate tries to give you a piece of rubbish, you can say *No bags*, and (theoretically!) this gives you immunity from receiving it. Both these terms thus also make you safe, and so both the positive and the negative of *bags* can be seen as conferring immunity, and thus appropriate to use as truce terms. If these hypotheses are correct, then the use of *bags* as a truce term is the result of a complex interaction between two different sources of the form *bags*.

Gates

The origin of the term *gates* remains a mystery, but our *Listener* respondents reported its occurrence in the Auckland and Northland regions in the 1920s. It was quite widespread in the 1930s and 40s throughout the Northern Region, but does not appear to have spread south of that. The *Listener* responses suggest that it was the dominant term Auckland until the 1970s.

Flicks/Flix

We are able to offer no explanation at all for the term *flicks* (often spelt *flix* or *flixs*). It is a term used in playing marbles, but, as with *poison*, there does not appear to be any connection between the two uses. Marc Armitage (personal communication) reports that this term was known in South Africa by a boy who moved from there to Yorkshire. Armitage considers it likely that this also derives from *pax* or *nix*. It appears to be a recent arrival in the Wellington area, first reported by *Listener* readers in the 1970s in the form *flex*.

Accompanying Gestures

During the school visits, we attempted to gain more systematic information about the gestures which might accompany these truce words. It appears that the only gesture used is crossing the fingers on one hand. Children were asked whether this was optional or obligatory. There was little pattern to be observed, although there was possibly a tendency for girls to demand the gesture more than boys. The obligatoriness of the gesture showed no signs of regionalisation.

Safe Places

It was clear from the question about truce terms that names for the safe place in certain games overlapped to some extent with truce terms. We also got data of

this kind from the readers of *The Listener* who responded to our questions. During the school visits, an attempt was made to find out whether these terms also showed signs of regionalisation.

The questions asked were:

In games that involve having a place which is safe, what do you call the safe place? Is it called the same thing in all the games you play? Do you have a rule about the chaser not being able to stay too close to the safe place? What is the rule?

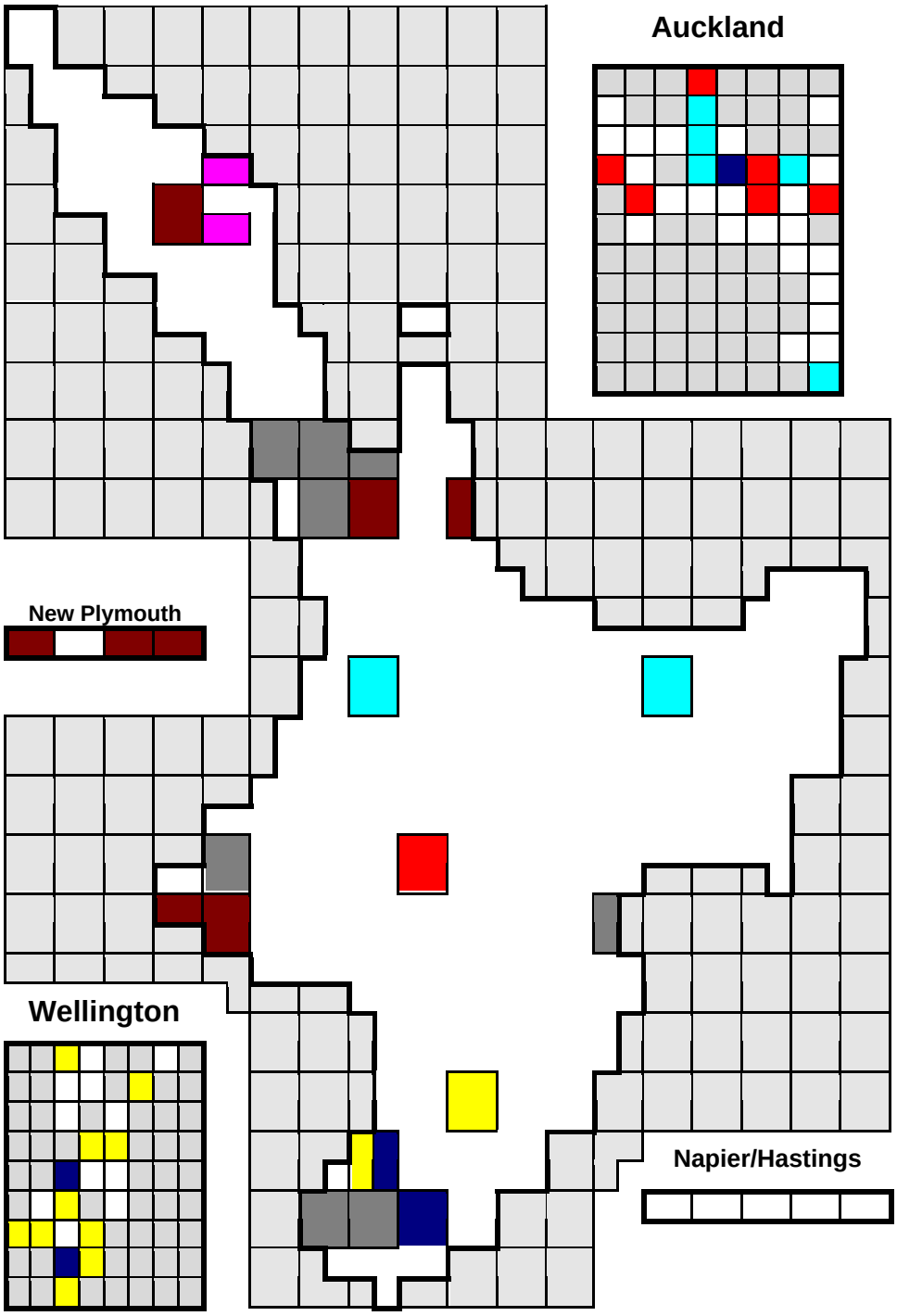
The simplest question is the last of these. All the schools visited had a rule which forbade the chaser from staying close to the safe place, and the rule was expressed in the same way in all schools: *No goose-guarding.* This term, however, is not known to the teachers in the schools, who professed themselves astonished at it. It appears to have arrived in NZ in the 1980s, but where it came from we are not sure.

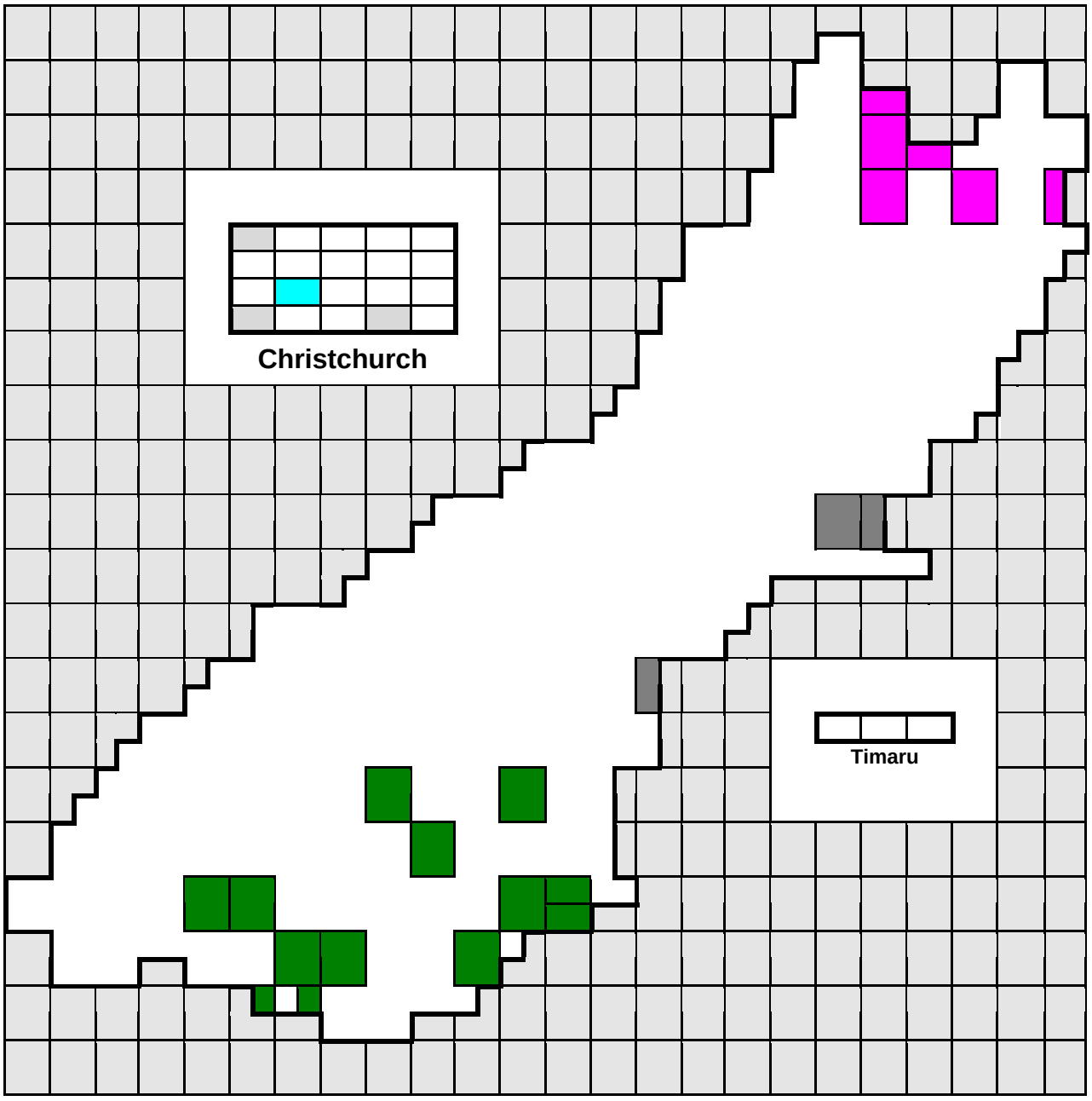
The name of the safe place, however, is not so uniform, and indeed shows signs of regionalisation. In the Northern Region, the standard term is *base*, although this term is also in much less consistent use in the rest of the country as well. Every school visited from Auckland north reported *base.* The Central North Island reported a mixture of *base* and the chief Central Region term: *home. Home* was reported from every school visited from the Wellington sub-region to Timaru.

In addition, the term *den* was reported from two of the Southland – Otago schools, and also from one in the Central Lakes district. It was also reported from three isolated schools in the Northern Region. Two schools reported the mixed form *home base*: one in Northland, and one in Timaru.

Thus the terms for the safe place also show signs of regionalisation. A map showing these terms on the basis of the school visits follows the truce term maps.

Map 1 for Q1(d): Localised Truce Terms



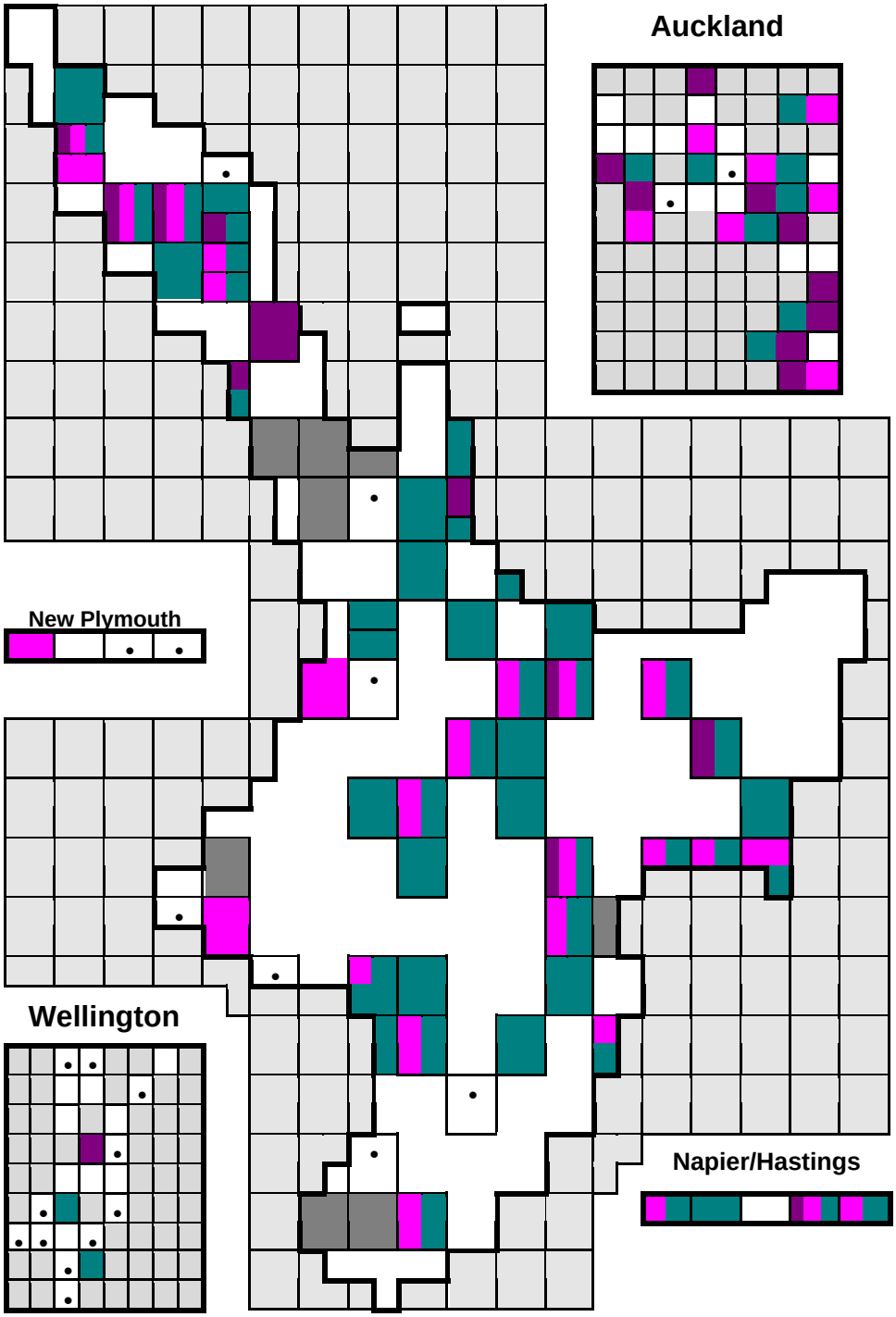


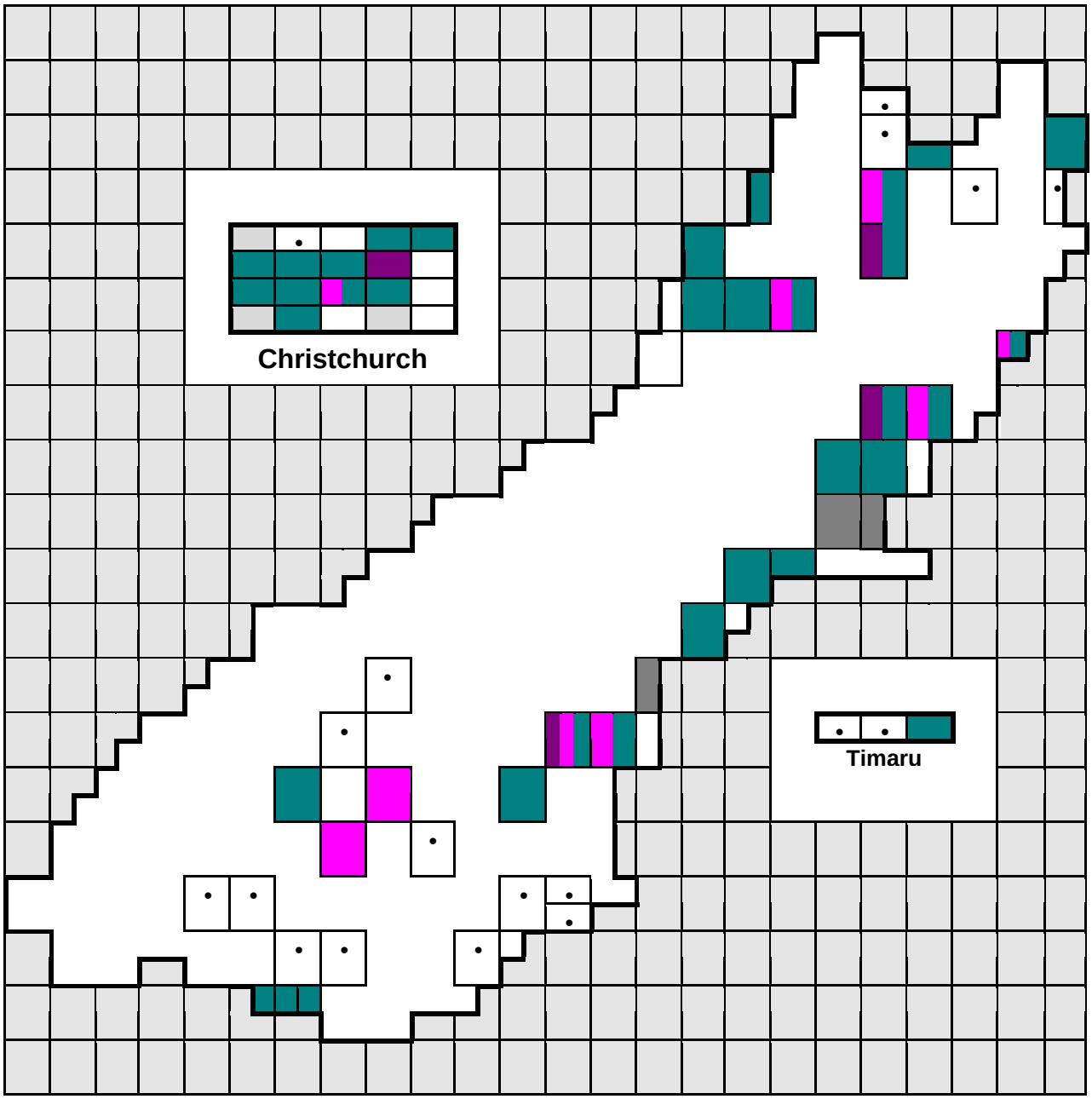
Key

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. In insets where one school reported two of the mapped terms, one of the shadings was from necessity recorded in the nearest unshaded box.

fans	gates	quits(ies)
twigs	tags	See urban map insert
nibs	flicks	

Map2 for Q1(d): Truce terms *pegs*, *bags* and *poison*



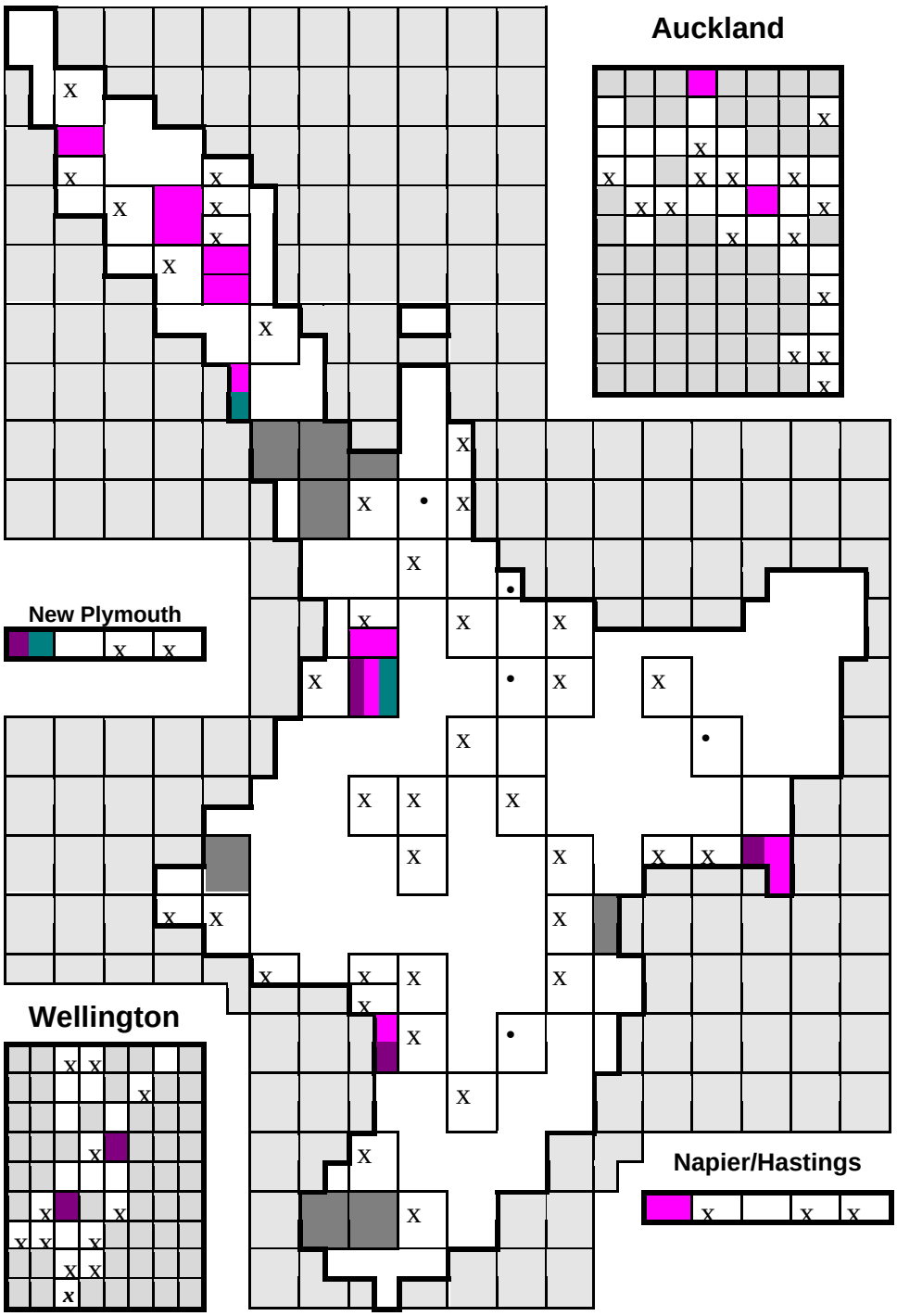


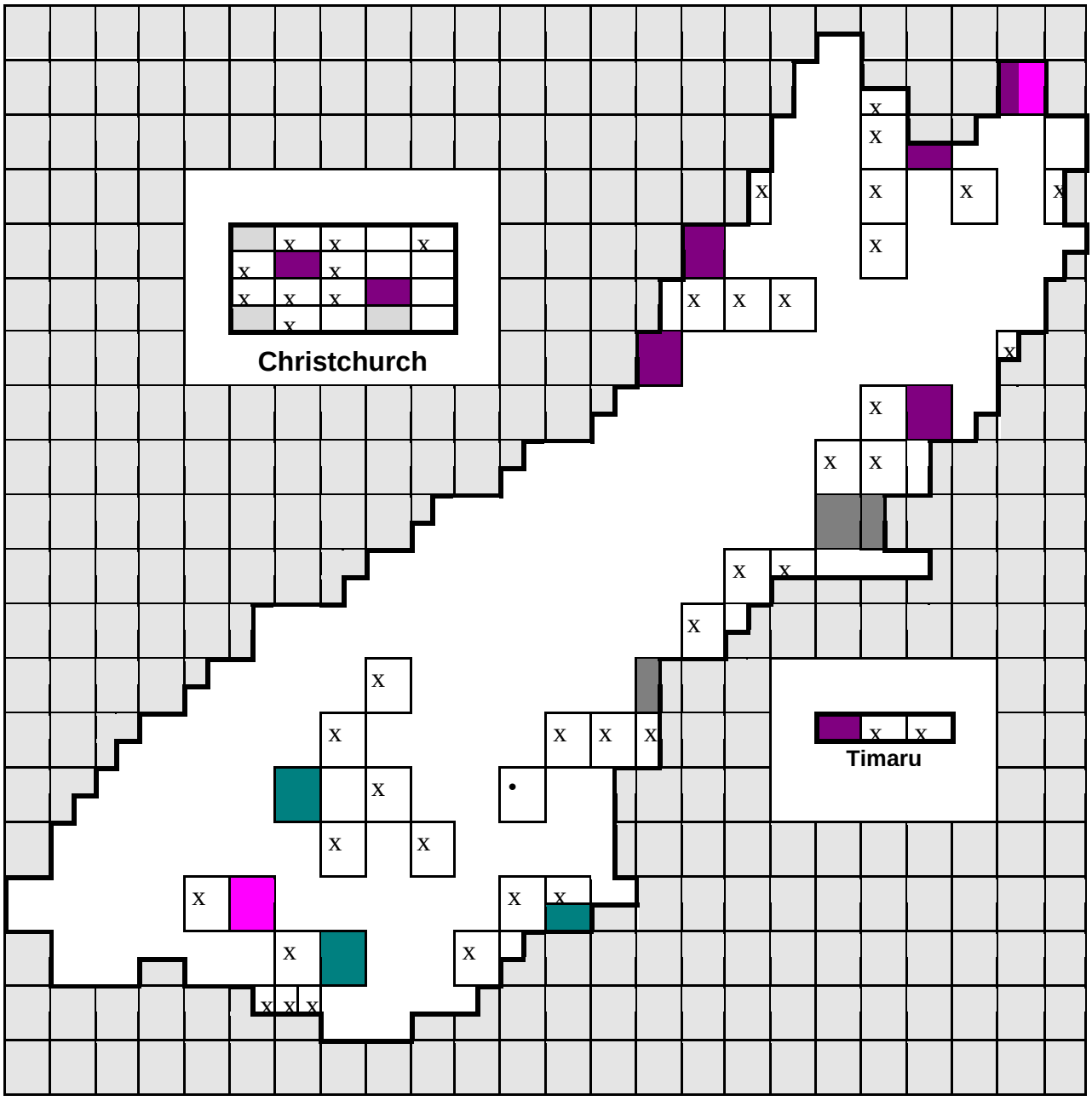
Key

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		pegs		See urban map insert
	poison			•	No relevant data/Neither of these

Map 3 for Q1(d): The name of the safe place in hiding and chasing games (school visits)





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.

	home		See urban map insert
	base	x	school not visited
	den	•	no relevant data

Statistics for 1d: truce terms

Truce terms 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	0.000	.	.	.	.	.	
item	bags	-1.0957	0.4899	-2.0558	-0.1356	-2.237	0.0253
item	fans	-4.6645	1.2267	-7.0687	-2.2603	-3.803	0.0001
item	flix	-6.2876	1.7048	-9.6290	-2.9463	-3.688	0.0002
item	gate	-3.3223	1.0605	-5.4008	-1.2438	-3.133	0.0017
item	nibs	-2.4206	0.6421	-3.6791	-1.1621	-3.770	0.0002
item	pegs	0.9485	0.3986	0.1673	1.7297	2.3797	0.0173
item	poiso	-0.1990	0.3943	-0.9718	0.5738	-.5046	0.6138
item	quit	-4.4757	1.0761	-6.5849	-2.3665	-4.159	0.0000
item	tags	-2.9626	0.4565	-3.8574	-2.0679	-6.490	0.0000
item	twig	-2.0537	0.6725	-3.3718	-0.7356	-3.054	0.0023
decile*item	bags	-0.0840	0.0826	-0.2458	0.0778	-1.017	0.3091
decile*item	fans	0.3294	0.1554	0.0248	0.6341	2.1197	**0.0340**
decile*item	flix	0.4131	0.2050	0.0112	0.8149	2.0144	**0.0440**
decile*item	gate	0.0513	0.1611	-0.2645	0.3671	0.3185	0.7501
decile*item	nibs	0.0113	0.0981	-0.1811	0.2036	0.1149	0.9085
decile*item	pegs	-0.0834	0.0610	-0.2029	0.0361	-1.368	0.1713
decile*item	pois	-0.1282	0.0658	-0.2572	0.0008	-1.948	0.0515
decile*item	quit	0.2438	0.1402	-0.0310	0.5186	1.7387	0.0821
decile*item	tags	0.0148	0.0477	-0.0788	0.1083	0.3099	0.7567
decile*item	twig	-0.1575	0.1191	-0.3909	0.0760	-1.322	0.1862
scale	0.9938	.	.	.	.	.	

Truce terms by Main Region

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bags	1	-27.3653	0.3962	4771.5887	0.0001
item	fans	1	-27.3654	0.3138	7603.8579	0.0001
item	flix	1	-27.3653	0.5133	2841.8165	0.0001
item	gate	1	-27.3653	0.4036	4598.2468	0.0001
item	nibs	1	1.7918	0.7638	5.5035	0.0190
item	pegs	1	-1.2993	0.6513	3.9792	0.0461
item	pois	1	-1.7918	0.7638	5.5035	0.0190
item	quit	1	-27.3659	1.0065	739.2923	0.0001
item	tags	1	-27.3655	0.4249	4147.5955	0.0001
item	twig	1	-27.3653	0.3813	5150.0404	0.0001
item*region1	bags, 1	1	26.6722	0.4857	3015.8465	**0.0001**
item*region1	bags, 2	0	25.0486	0.0000	.	.
item*region1	bags, 3	0	0.0000	0.0000	.	.

item*region1	fans, 1	1	0.0001	115975.683	0.0000	1.0000
item*region1	fans, 2	0	25.6606	0.0000	.	.
item*region1	fans, 3	0	0.0000	0.0000	.	.
item*region1	flix, 1	1	23.3399	1.1320	425.1315	**0.0001**
item*region1	flix, 2	0	24.4475	0.0000	.	.
item*region1	flix, 3	0	0.0000	0.0000	.	.
item*region1	gate, 1	0	25.3991	0.0000	.	.
item*region1	gate, 2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	gate, 3	0	0.0000	0.0000	.	.
item*region1	nibs, 1	1	-29.1571	115975.683	0.0000	0.9998
item*region1	nibs, 2	1	-6.1356	1.2635	23.5825	**0.0001**
item*region1	nibs, 3	0	0.0000	0.0000	.	.
item*region1	pegs, 1	1	1.9145	0.7080	7.3118	**0.0069**
item*region1	pegs, 2	1	1.9924	0.6942	8.2372	**0.0041**
item*region1	pegs, 3	0	0.0000	0.0000	.	.
item*region1	pois, 1	1	1.3275	0.8108	2.6806	0.1016
item*region1	pois, 2	1	0.6587	0.8080	0.6645	0.4150
item*region1	pois, 3	0	0.0000	0.0000	.	.
item*region1	quit, 1	1	25.3998	1.0844	548.6698	**0.0001**
item*region1	quit, 2	0	23.0221	0.0000	.	.
item*region1	quit, 3	0	0.0000	0.0000	.	.
item*region1	tags, 1	1	24.0513	0.8359	827.8739	**0.0001**
item*region1	tags, 2	0	24.8806	0.0000	.	.
item*region1	tags, 3	0	0.0000	0.0000	.	.
item*region1	twig, 1	0	25.5529	0.0000	.	.
item*region1	twig, 2	1	-0.0001	99141.8609	0.0000	1.0000
item*region1	twig, 3	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce terms by Sub-Regions

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bags	1	-26.3653	1.0541	625.6154	0.0001
item	fans	1	-26.3653	0.4282	3791.6242	0.0001
item	flix	1	-26.3653	0.5528	2274.9743	0.0001
item	gate	1	-26.3654	1.0198	668.3984	0.0001
item	nibs	1	1.7918	0.7638	5.5035	0.0190
item	pegs	1	-1.2993	0.6513	3.9792	0.0461
item	pois	1	-1.7918	0.7638	5.5035	0.0190
item	quit	1	-26.3654	1.0290	656.5167	0.0001
item	tags	1	-26.3653	0.7071	1390.2530	0.0001
item	twig	1	-26.3654	0.4421	3555.8731	0.0001
item*region2	bags, 1	1	27.0584	1.3642	393.3987	**0.0001**
item*region2	bags, 2	1	25.6721	1.3642	354.1211	**0.0001**

item*region2	bags, 3	1	26.4706	1.1499	529.9374	**0.0001**
item*region2	bags, 4	1	24.3284	1.2198	397.7835	**0.0001**
item*region2	bags, 5	1	24.7558	1.3081	358.1602	**0.0001**
item*region2	bags, 6	1	23.3208	1.4693	251.9342	**0.0001**
item*region2	bags, 7	1	24.2858	1.4954	263.7625	**0.0001**
item*region2	bags, 8	1	-0.0000	216811.094	0.0000	1.0000
item*region2	bags, 9	1	24.2858	1.2937	352.4129	**0.0001**
item*region2	bags, 10	0	24.1681	0.0000	.	.
item*region2	bags, 11	0	0.0000	0.0000	.	.
item*region2	fans, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	fans, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	fans, 3	1	0.0000	121837.317	0.0000	1.0000
item*region2	fans, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	fans, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	fans, 6	0	26.5477	0.0000	.	.
item*region2	fans, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	fans, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	fans, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	fans, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	fans, 11	0	0.0000	0.0000	.	.
item*region2	flix, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	flix, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	flix, 3	1	23.4750	1.1667	404.8707	**0.0001**
item*region2	flix, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	flix, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	flix, 6	0	24.8613	0.0000	.	.
item*region2	flix, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	flix, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	flix, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	flix, 10	1	0.0000	167941.152	0.0000	1.0000
item*region2	flix, 11	0	0.0000	0.0000	.	.
item*region2	gate, 1	1	0.0001	216811.094	0.0000	1.0000
item*region2	gate, 2	1	0.0001	216811.094	0.0000	1.0000
item*region2	gate, 3	1	25.5922	1.1330	510.2575	**0.0001**
item*region2	gate, 4	0	23.1465	0.0000	.	.
item*region2	gate, 5	1	0.0001	153308.595	0.0000	1.0000
item*region2	gate, 6	1	0.0001	113225.901	0.0000	1.0000
item*region2	gate, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	gate, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	gate, 9	1	0.0001	125175.944	0.0000	1.0000
item*region2	gate, 10	1	0.0001	167941.152	0.0000	1.0000
item*region2	gate, 11	0	0.0000	0.0000	.	.
item*region2	nibs, 1	1	-28.1571	216811.094	0.0000	0.9999
item*region2	nibs, 2	1	-28.1571	216811.094	0.0000	0.9999
item*region2	nibs, 3	1	-28.1571	121837.317	0.0000	0.9998

item*region2	nibs, 4	1	-28.1571	104152.681	0.0000	0.9998
item*region2	nibs, 5	1	-28.1571	153308.595	0.0000	0.9999
item*region2	nibs, 6	1	-28.1571	113225.901	0.0000	0.9998
item*region2	nibs, 7	1	-28.1571	177025.517	0.0000	0.9999
item*region2	nibs, 8	1	-28.1571	216811.094	0.0000	0.9999
item*region2	nibs, 9	1	-28.1571	125175.944	0.0000	0.9998
item*region2	nibs, 10	1	-3.9890	1.3017	9.3907	**0.0022**
item*region2	nibs, 11	0	0.0000	0.0000	.	.
item*region2	pegs, 1	1	2.9087	1.2745	5.2090	**0.0225**
item*region2	pegs, 2	1	1.9924	1.0836	3.3807	0.0660
item*region2	pegs, 3	1	1.4046	0.7971	3.1054	0.0780
item*region2	pegs, 4	1	2.1102	0.7777	7.3628	**0.0067**
item*region2	pegs, 5	1	3.6972	1.2309	9.0216	**0.0027**
item*region2	pegs, 6	1	0.7397	0.7878	0.8815	0.3478
item*region2	pegs, 7	1	1.5224	0.9350	2.6512	0.1035
item*region2	pegs, 8	1	2.9087	1.2745	5.2090	**0.0225**
item*region2	pegs, 9	1	4.1325	1.2178	11.5150	**0.0007**
item*region2	pegs, 10	1	1.2993	0.9079	2.0481	0.1524
item*region2	pegs, 11	0	0.0000	0.0000	.	.
item*region2	pois, 1	1	3.4012	1.3354	6.4868	**0.0109**
item*region2	pois, 2	1	1.0986	1.1547	0.9052	0.3414
item*region2	pois, 3	1	1.2528	0.8997	1.9387	0.1638
item*region2	pois, 4	1	0.9808	0.8740	1.2594	0.2618
item*region2	pois, 5	1	2.8904	1.0138	8.1285	**0.0044**
item*region2	pois, 6	1	-0.0541	0.9845	0.0030	0.9562
item*region2	pois, 7	1	0.5390	1.1073	0.2369	0.6264
item*region2	pois, 8	1	0.1823	1.3354	0.0186	0.8914
item*region2	pois, 9	1	-0.2877	1.0704	0.0722	0.7881
item*region2	pois, 10	1	0.4055	1.0992	0.1361	0.7122
item*region2	pois, 11	0	0.0000	0.0000	.	.
item*region2	quit, 1	1	0.0001	216811.094	0.0000	1.0000
item*region2	quit, 2	1	0.0001	216811.094	0.0000	1.0000
item*region2	quit, 3	1	25.3358	1.1534	482.5422	**0.0001**
item*region2	quit, 4	1	23.8805	1.2651	356.3151	**0.0001**
item*region2	quit, 5	1	0.0001	153308.595	0.0000	1.0000
item*region2	quit, 6	1	0.0001	113225.901	0.0000	1.0000
item*region2	quit, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	quit, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	quit, 9	0	23.5322	0.0000	.	.
item*region2	quit, 10	1	0.0001	167941.152	0.0000	1.0000
item*region2	quit, 11	0	0.0000	0.0000	.	.
item*region2	tags, 1	1	-0.0001	216811.094	0.0000	1.0000
item*region2	tags, 2	1	25.6721	1.1180	527.2456	**0.0001**
item*region2	tags, 3	1	-0.0001	121837.317	0.0000	1.0000
item*region2	tags, 4	1	-0.0001	104152.681	0.0000	1.0000

item*region2	tags, 5	1	-0.0001	153308.595	0.0000	1.0000
item*region2	tags, 6	1	-0.0001	113225.901	0.0000	1.0000
item*region2	tags, 7	0	27.0584	0.0000	.	.
item*region2	tags, 8	1	-0.0001	216811.094	0.0000	1.0000
item*region2	tags, 9	1	-0.0001	125175.944	0.0000	1.0000
item*region2	tags, 10	1	-0.0001	167941.152	0.0000	1.0000
item*region2	tags, 11	0	0.0000	0.0000	.	.
item*region2	twig, 1	1	24.7559	1.1813	439.1698	**0.0001**
item*region2	twig, 2	1	0.0001	216811.094	0.0000	1.0000
item*region2	twig, 3	1	0.0001	121837.317	0.0000	1.0000
item*region2	twig, 4	0	25.3668	0.0000	.	.
item*region2	twig, 5	1	0.0001	153308.595	0.0000	1.0000
item*region2	twig, 6	1	0.0001	113225.901	0.0000	1.0000
item*region2	twig, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	twig, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	twig, 9	1	0.0001	125175.944	0.0000	1.0000
item*region2	twig, 10	1	0.0001	167941.152	0.0000	1.0000
item*region2	twig, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce terms by Island

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bags	1	-2.5840	0.5185	24.8339	0.0001
item	fans	1	-27.3653	0.3093	7826.7976	0.0001
item	flix	1	-27.3653	0.4597	3542.9948	0.0001
item	gate	1	-27.3653	0.3930	4847.4595	0.0001
item	nibs	1	-1.2192	0.3157	14.9176	0.0001
item	pegs	1	0.4643	0.2721	2.9122	0.0879
item	pois	1	-1.6740	0.3632	21.2377	0.0001
item	quit	1	-4.0254	1.0089	15.9192	0.0001
item	tags	1	-2.1401	0.4316	24.5867	0.0001
item	twig	1	-27.3653	0.3698	5475.5357	0.0001
item*island	bags, 1	1	1.4124	0.5731	6.0741	**0.0137**
item*island	bags, 2	0	0.0000	0.0000	.	.
item*island	fans, 1	0	25.4558	0.0000	.	.
item*island	fans ,2	0	0.0000	0.0000	.	.
item*island	flix ,1	0	24.4974	0.0000	.	.
item*island	flix, 2	0	0.0000	0.0000	.	.
item*island	gate, 1	0	24.8569	0.0000	.	.
item*island	gate, 2	0	0.0000	0.0000	.	.
item*island	nibs, 1	1	-26.1461	90795.2008	0.0000	0.9998
item*island	nibs, 2	0	0.0000	0.0000	.	.
item*island	pegs, 1	1	-0.0048	0.3455	0.0002	0.9890
item*island	pegs, 2	0	0.0000	0.0000	.	.
item*island	pois, 1	1	1.1228	0.4223	7.0703	**0.0078**
item*island	pois, 2	0	0.0000	0.0000	.	.
item*island	quit ,1	1	1.5169	1.0827	1.9628	0.1612
item*island	quit, 2	0	0.0000	0.0000	.	.
item*island	tags, 1	1	-1.6776	0.8350	4.0365	**0.0445**
item*island	tags, 2	0	0.0000	0.0000	.	.
item*island	twig, 1	0	25.0021	0.0000	.	.
item*island	twig, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce terms by Catholic

Analysis Of Initial Parameter Estimates

parameter	DF	Est.	Std Err	ChiSquare	Pr>Chi	
intercept	0	0.00	0.0000	.	.	
item	bags	1	-1.9459	0.7559	6.6265	0.0100
item	fans	1	-1.0986	0.5774	3.6208	0.0571
item	flix	1	-1.9459	0.7559	6.6265	0.0100
item	gate	1	-24.3653	0.3885	3933.6226	0.0001
item	nibs	1	-24.3653	0.3029	6471.4438	0.0001
item	pegs	1	1.0986	0.5774	3.6208	0.0571
item	pois	1	-1.4663	0.6405	5.2410	0.0221
item	quit	1	-2.7081	1.0328	6.8752	0.0087
item	tags	1	-2.7081	1.0328	6.8752	0.0087
item	twig	1	-2.7081	1.0328	6.8752	0.0087
item*catholic	bags, 1	1	0.3993	0.7900	0.2554	0.6133
item*catholic	bags, 2	0	0.0000	0.0000	.	.
item*catholic	fans, 1	1	-1.6341	0.6830	5.7247	**0.0167**
item*catholic	fans, 2	0	0.0000	0.0000	.	.
item*catholic	flix, 1	1	-1.8075	0.9553	3.5801	0.0585
item*catholic	flix, 2	0	0.0000	0.0000	.	.
item*catholic	gate, 1	0	21.4909	0.0000	.	.
item*catholic	gate, 2	0	0.0000	0.0000	.	.
item*catholic	nibs, 1	0	22.0711	0.0000	.	.
item*catholic	nibs, 2	0	0.0000	0.0000	.	.
item*catholic	pegs, 1	1	-0.6804	0.6043	1.2676	0.2602
item*catholic	pegs, 2	0	0.0000	0.0000	.	.
item*catholic	pois, 1	1	0.6444	0.6680	0.9304	0.3348
item*catholic	pois, 2	0	0.0000	0.0000	.	.
item*catholic	quit, 1	1	-0.1663	1.1034	0.0227	0.8802
item*catholic	quit, 2	0	0.0000	0.0000	.	.
item*catholic	tags, 1	1	-0.1663	1.1034	0.0227	0.8802
item*catholic	tags, 2	0	0.0000	0.0000	.	.
item*catholic	twig, 1	1	-0.1663	1.1034	0.0227	0.8802
item*catholic	twig, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce terms 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	bags	-1.3652	0.3234	-1.9992	-0.7313	-4.221	0.0000
item	fans	-1.7148	0.3621	-2.4245	-1.0051	-4.736	0.0000
item	flix	-2.9267	0.5926	-4.0882	-1.7652	-4.939	0.0000
item	gate	-2.1785	0.4307	-3.0228	-1.3343	-5.058	0.0000
item	nibs	-2.9267	0.5926	-4.0882	-1.7652	-4.939	0.0000
item	pegs	0.2384	0.2622	-0.2756	0.7524	0.9092	0.3633
item	pois	-1.1676	0.3060	-1.7674	-0.5678	-3.815	0.0001
item	quit	-2.1785	0.4307	-3.0228	-1.3343	-5.058	0.0000
item	tags	-4.0604	1.0086	-6.0372	-2.0837	-4.026	0.0001
item	twig	-4.0604	1.0086	-6.0372	-2.0837	-4.026	0.0001
item*urb_rur	bags, 1	-0.2724	0.4358	-1.1265	0.5818	-.6250	0.5320
item*urb_rur	bags, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	fans, 1	-2.0229	0.8019	-3.5945	-0.4512	-2.523	**0.0116**
item*urb_rur	fans, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	flix, 1	-0.8109	0.9290	-2.6318	1.0099	-.8729	0.3827
item*urb_rur	flix, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	gate, 1	-2.2641	1.0942	-4.4087	-0.1195	-2.069	**0.0385**
item*urb_rur	gate, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	nibs, 1	0.8986	0.6814	-0.4370	2.2342	1.3187	0.1873
item*urb_rur	nibs, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	pegs, 1	0.4373	0.3476	-0.2438	1.1185	1.2584	0.2083
item*urb_rur	pegs, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	pois, 1	0.4918	0.3817	-0.2562	1.2399	1.2887	0.1975
item*urb_rur	pois, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	quit, 1	-1.5591	0.8351	-3.1960	0.0777	-1.867	0.0619
item*urb_rur	quit, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	tags, 1	1.6369	1.0829	-0.4856	3.7594	1.5115	0.1307
item*urb_rur	tags, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	twig, 1	1.4702	1.0938	-0.6736	3.6140	1.3441	0.1789
item*urb_rur	twig, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Truce Terms in Northern Sub-Regions Only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bags	1	-2.0369	0.6138	11.0105	0.0009
item	fans	1	-27.3653	171718.740	0.0000	0.9999
item	flix	1	-27.3653	1.0274	709.4465	0.0001
item	gate	1	-3.2189	1.0198	9.9627	0.0016
item	nibs	1	-27.3653	171718.740	0.0000	0.9999
item	pegs	1	0.8109	0.4249	3.6421	0.0563
item	pois	1	-0.8109	0.4249	3.6421	0.0563
item	quit	1	-2.4849	0.7360	11.3996	0.0007
item	tags	1	-27.3653	0.8660	998.4801	0.0001
item	twig	1	-0.9985	0.4421	5.1003	0.0239
item*region2	bags, 1	1	2.7300	1.0615	6.6143	**0.0101**
item*region2	bags, 2	1	1.3437	1.0615	1.6024	0.2056
item*region2	bags, 3	1	2.1422	0.7668	7.8058	**0.0052**
item*region2	bags, 4	0	0.0000	0.0000	.	.
item*region2	fans, 1	1	0.0000	396567.444	0.0000	1.0000
item*region2	fans, 2	1	0.0000	396567.444	0.0000	1.0000
item*region2	fans, 3	1	0.0000	264269.565	0.0000	1.0000
item*region2	fans, 4	0	0.0000	0.0000	.	.
item*region2	flix, 1	1	-0.0000	357461.063	0.0000	1.0000
item*region2	flix, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	flix, 3	0	24.4749	0.0000	.	.
item*region2	flix, 4	0	0.0000	0.0000	.	.
item*region2	gate, 1	1	-24.1464	357461.063	0.0000	0.9999
item*region2	gate, 2	1	-24.1464	357461.063	0.0000	0.9999
item*region2	gate, 3	1	2.4457	1.1330	4.6599	**0.0309**
item*region2	gate, 4	0	0.0000	0.0000	.	.
item*region2	nibs, 1	1	0.0000	396567.444	0.0000	1.0000
item*region2	nibs, 2	1	0.0000	396567.444	0.0000	1.0000
item*region2	nibs, 3	1	0.0000	264269.565	0.0000	1.0000
item*region2	nibs, 4	0	0.0000	0.0000	.	.
item*region2	pegs, 1	1	0.7985	1.1750	0.4619	0.4968
item*region2	pegs, 2	1	-0.1178	0.9647	0.0149	0.9028
item*region2	pegs, 3	1	-0.7056	0.6258	1.2711	0.2596
item*region2	pegs, 4	0	0.0000	0.0000	.	.
item*region2	pois, 1	1	2.4204	1.1750	4.2434	**0.0394**
item*region2	pois, 2	1	0.1178	0.9647	0.0149	0.9028
item*region2	pois, 3	1	0.2719	0.6378	0.1818	0.6698
item*region2	pois, 4	0	0.0000	0.0000	.	.
item*region2	quit, 1	1	-24.8804	357461.063	0.0000	0.9999
item*region2	quit, 2	1	-24.8804	357461.063	0.0000	0.9999
item*region2	quit, 3	1	1.4553	0.9017	2.6047	0.1065

item*region2	quit, 4	0	0.0000	0.0000	.	.
item*region2	tags, 1	1	-0.0000	357461.063	0.0000	1.0000
item*region2	tags, 2	0	26.6722	0.0000	.	.
item*region2	tags, 3	1	-0.0000	200875.776	0.0000	1.0000
item*region2	tags, 4	0	0.0000	0.0000	.	.
item*region2	twig, 1	1	-0.6109	1.1813	0.2674	0.6051
item*region2	twig, 2	1	-26.3668	357461.063	0.0000	0.9999
item*region2	twig, 3	1	-26.3668	200875.776	0.0000	0.9999
item*region2	twig, 4	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce Terms in Central Sub-Regions Only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
item	bags	1	-2.1972	1.0541	4.3450	0.0371
item	fans	1	-27.3653	0.4282	4084.6814	0.0001
item	flix	1	-27.3651	0.5528	2450.7864	0.0001
item	gate	1	-27.3653	276888.149	0.0000	0.9999
item	nibs	1	-2.1972	1.0541	4.3450	0.0371
item	pegs	1	0.0000	0.6325	0.0000	1.0000
item	pois	1	-1.3863	0.7906	3.0749	0.0795
item	quit	1	-27.3653	1.0290	707.2569	0.0001
item	tags	1	-27.3653	0.7071	1497.7191	0.0001
item	twig	1	-27.3653	276888.149	0.0000	0.9999
item*region2	bags, 5	1	0.5878	1.3081	0.2019	0.6532
item*region2	bags, 6	1	-0.8473	1.4693	0.3326	0.5642
item*region2	bags, 7	1	0.1178	1.4954	0.0062	0.9372
item*region2	bags, 8	1	-25.1681	357461.063	0.0000	0.9999
item*region2	bags, 9	1	0.1178	1.2937	0.0083	0.9275
item*region2	bags, 10	0	0.0000	0.0000	.	.
item*region2	fans, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	fans, 6	0	27.5476	0.0000	.	.
item*region2	fans, 7	1	-0.0000	291865.736	0.0000	1.0000
item*region2	fans, 8	1	-0.0000	357461.063	0.0000	1.0000
item*region2	fans, 9	1	-0.0000	206380.241	0.0000	1.0000
item*region2	fans, 10	0	0.0000	0.0000	.	.
item*region2	flix, 5	1	-0.0002	252763.142	0.0000	1.0000
item*region2	flix, 6	0	25.8611	0.0000	.	.
item*region2	flix, 7	1	-0.0002	291865.736	0.0000	1.0000
item*region2	flix, 8	1	-0.0002	357461.063	0.0000	1.0000
item*region2	flix, 9	1	-0.0002	206380.241	0.0000	1.0000
item*region2	flix, 10	0	0.0000	0.0000	.	.
item*region2	gate, 5	1	-0.0000	374908.326	0.0000	1.0000
item*region2	gate, 6	1	-0.0000	333939.672	0.0000	1.0000
item*region2	gate, 7	1	0.0000	402309.153	0.0000	1.0000

item*region2	gate, 8	1	0.0000	452156.453	0.0000	1.0000
item*region2	gate, 9	1	0.0000	345340.196	0.0000	1.0000
item*region2	gate 10	0	0.0000	0.0000	.	.
item*region2	nibs, 5	1	-25.1681	252763.142	0.0000	0.9999
item*region2	nibs, 6	1	-25.1681	186677.952	0.0000	0.9999
item*region2	nibs, 7	1	-25.1681	291865.736	0.0000	0.9999
item*region2	nibs, 8	1	-25.1681	357461.063	0.0000	0.9999
item*region2	nibs, 9	1	-25.1681	206380.241	0.0000	0.9999
item*region2	nibs, 10	0	0.0000	0.0000	.	.
item*region2	pegs, 5	1	2.3979	1.2210	3.8566	0.0495
item*region2	pegs, 6	1	-0.5596	0.7723	0.5251	0.4687
item*region2	pegs, 7	1	0.2231	0.9220	0.0586	0.8088
item*region2	pegs, 8	1	1.6094	1.2649	1.6189	0.2032
item*region2	pegs, 9	1	2.8332	1.2078	5.5024	**0.0190**
item*region2	pegs, 10	0	0.0000	0.0000	.	.
item*region2	pois, 5	1	2.4849	1.0341	5.7738	**0.0163**
item*region2	pois, 6	1	-0.4595	1.0055	0.2089	0.6476
item*region2	pois, 7	1	0.1335	1.1260	0.0141	0.9056
item*region2	pois, 8	1	-0.2231	1.3509	0.0273	0.8688
item*region2	pois, 9	1	-0.6931	1.0897	0.4046	0.5247
item*region2	pois, 10	0	0.0000	0.0000	.	.
item*region2	quit, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	quit, 6	1	-0.0000	186677.952	0.0000	1.0000
item*region2	quit, 7	1	-0.0000	291865.736	0.0000	1.0000
item*region2	quit, 8	1	-0.0000	357461.063	0.0000	1.0000
item*region2	quit, 9	0	24.5321	0.0000	.	.
item*region2	quit, 10	0	0.0000	0.0000	.	.
item*region2	tags, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	tags, 6	1	-0.0000	186677.952	0.0000	1.0000
item*region2	tags, 7	0	28.0584	0.0000	.	.
item*region2	tags, 8	1	-0.0000	357461.063	0.0000	1.0000
item*region2	tags, 9	1	-0.0000	206380.241	0.0000	1.0000
item*region2	tags, 10	0	0.0000	0.0000	.	.
item*region2	twig, 5	1	-0.0000	374908.326	0.0000	1.0000
item*region2	twig, 6	1	-0.0000	333939.672	0.0000	1.0000
item*region2	twig, 7	1	0.0000	402309.153	0.0000	1.0000
item*region2	twig, 8	1	0.0000	452156.453	0.0000	1.0000
item*region2	twig, 9	1	0.0000	345340.196	0.0000	1.0000
item*region2	twig, 10	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce Terms 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	bags	1	-3.0445	1.0235	8.8478	0.0029
item	fans	1	0.1823	0.4282	0.1813	0.6702
item	flix	1	-1.5041	0.5528	7.4037	0.0065
item	gate	1	-27.3654	1.0198	720.0611	0.0001
item	nibs	1	-27.3653	186677.952	0.0000	0.9999
item	pegs	1	-0.5596	0.4432	1.5943	0.2067
item	pois	1	-1.8458	0.6213	8.8274	0.0030
item	quit	1	-27.3654	0.7360	1382.5230	0.0001
item	tags	1	-27.3653	0.8660	998.4784	0.0001
item	twig	1	-27.3653	0.4421	3830.6995	0.0001
item*region2	bags, 1	1	3.7377	1.3408	7.7715	**0.0053**
item*region2	bags, 2	1	2.3514	1.3408	3.0757	0.0795
item*region2	bags, 3	1	3.1499	1.1219	7.8824	**0.0050**
item*region2	bags, 4	1	1.0076	1.1935	0.7128	0.3985
item*region2	bags, 5	1	1.4351	1.2836	1.2500	0.2636
item*region2	bags, 6	0	0.0000	0.0000	.	.
item*region2	fans, 1	1	-27.5476	357461.063	0.0000	0.9999
item*region2	fans, 2	1	-27.5476	357461.063	0.0000	0.9999
item*region2	fans, 3	1	-27.5476	200875.776	0.0000	0.9999
item*region2	fans, 4	1	-27.5476	171718.740	0.0000	0.9999
item*region2	fans, 5	1	-27.5476	252763.142	0.0000	0.9999
item*region2	fans, 6	0	0.0000	0.0000	.	.
item*region2	flix, 1	1	-25.8612	357461.063	0.0000	0.9999
item*region2	flix, 2	1	-25.8612	357461.063	0.0000	0.9999
item*region2	flix, 3	1	-1.3863	1.1667	1.4119	0.2347
item*region2	flix, 4	1	-25.8612	171718.740	0.0000	0.9999
item*region2	flix, 5	1	-25.8612	252763.142	0.0000	0.9999
item*region2	flix, 6	0	0.0000	0.0000	.	.
item*region2	gate, 1	1	0.0000	357461.063	0.0000	1.0000
item*region2	gate, 2	1	0.0000	357461.063	0.0000	1.0000
item*region2	gate, 3	1	26.5922	1.1330	550.9113	**0.0001**
item*region2	gate, 4	0	24.1465	0.0000	.	.
item*region2	gate, 5	1	0.0000	252763.142	0.0000	1.0000
item*region2	gate, 6	0	0.0000	0.0000	.	.
item*region2	nibs, 1	1	-0.0000	403270.467	0.0000	1.0000
item*region2	nibs, 2	1	-0.0000	403270.467	0.0000	1.0000
item*region2	nibs, 3	1	-0.0000	274225.701	0.0000	1.0000
item*region2	nibs, 4	1	-0.0000	253645.389	0.0000	1.0000
item*region2	nibs, 5	1	-0.0000	314225.816	0.0000	1.0000
item*region2	nibs, 6	0	0.0000	0.0000	.	.
item*region2	pegs, 1	1	2.1691	1.1817	3.3692	0.0664

item*region2	pegs 2	1	1.2528	0.9728	1.6582	0.1978
item*region2	pegs, 3	1	0.6650	0.6384	1.0850	0.2976
item*region2	pegs, 4	1	1.3705	0.6140	4.9827	**0.0256**
item*region2	pegs, 5	1	2.9575	1.1346	6.7945	**0.0091**
item*region2	pegs, 6	0	0.0000	0.0000	.	.
item*region2	pois, 1	1	3.4553	1.2594	7.5278	**0.0061**
item*region2	pois, 2	1	1.1527	1.0658	1.1696	0.2795
item*region2	pois, 3	1	1.3068	0.7824	2.7898	0.0949
item*region2	pois, 4	1	1.0349	0.7527	1.8905	0.1691
item*region2	pois, 5	1	2.9444	0.9113	10.4403	**0.0012**
item*region2	pois, 6	0	0.0000	0.0000	.	.
item*region2	quit, 1	1	0.0001	357461.063	0.0000	1.0000
item*region2	quit 2	1	0.0001	357461.063	0.0000	1.0000
item*region2	quit, 3	1	26.3358	0.9017	853.0056	**0.0001**
item*region2	quit, 4	0	24.8805	0.0000	.	.
item*region2	quit, 5	1	0.0001	252763.142	0.0000	1.0000
item*region2	quit, 6	0	0.0000	0.0000	.	.
item*region2	tags, 1	1	-0.0000	357461.063	0.0000	1.0000
item*region2	tags, 2	0	26.6721	0.0000	.	.
item*region2	tags, 3	1	-0.0000	200875.776	0.0000	1.0000
item*region2	tags, 4	1	-0.0000	171718.740	0.0000	1.0000
item*region2	tags, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	tags, 6	0	0.0000	0.0000	.	.
item*region2	twig, 1	1	25.7558	1.1813	475.3628	**0.0001**
item*region2	twig, 2	1	-0.0000	357461.063	0.0000	1.0000
item*region2	twig, 3	1	-0.0000	200875.776	0.0000	1.0000
item*region2	twig 4	0	26.3668	0.0000	.	.
item*region2	twig, 5	1	-0.0000	252763.142	0.0000	1.0000
item*region2	twig 6	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce Terms in South Island Sub-Regions Only

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bags	1	-27.3653	1.0541	673.9760	0.0001
item	fans	1	-27.3653	234013.197	0.0000	0.9999
item	flix	1	-27.3653	234013.197	0.0000	0.9999
item	gate	1	-27.3653	234013.197	0.0000	0.9999
item	nibs	1	1.7918	0.7638	5.5035	0.0190
item	pegs	1	-1.2993	0.6513	3.9792	0.0461
item	pois	1	-1.7918	0.7638	5.5035	0.0190
item	quit	1	-27.3653	1.0290	707.2566	0.0001
item	tags	1	-27.3653	0.7071	1497.7185	0.0001
item	twig	1	-27.3653	234013.197	0.0000	0.9999
item*region2	bags, 7	1	25.2859	1.4954	285.9326	**0.0001**
item*region2	bags, 8	1	0.0000	357461.063	0.0000	1.0000
item*region2	bags, 9	1	25.2859	1.2937	382.0344	**0.0001**
item*region2	bags, 10	0	25.1681	0.0000	.	.
item*region2	bags, 11	0	0.0000	0.0000	.	.
item*region2	fans, 7	1	0.0000	374095.956	0.0000	1.0000
item*region2	fans, 8	1	0.0000	427247.689	0.0000	1.0000
item*region2	fans, 9	1	0.0000	312017.596	0.0000	1.0000
item*region2	fans, 10	1	0.0000	362531.686	0.0000	1.0000
item*region2	fans, 11	0	0.0000	0.0000	.	.
item*region2	flix, 7	1	0.0000	374095.956	0.0000	1.0000
item*region2	flix, 8	1	0.0000	427247.689	0.0000	1.0000
item*region2	flix, 9	1	0.0000	312017.596	0.0000	1.0000
item*region2	flix, 10	1	0.0000	362531.686	0.0000	1.0000
item*region2	flix, 11	0	0.0000	0.0000	.	.
item*region2	gate, 7	1	0.0000	374095.956	0.0000	1.0000
item*region2	gate, 8	1	0.0000	427247.689	0.0000	1.0000
item*region2	gate, 9	1	0.0000	312017.596	0.0000	1.0000
item*region2	gate, 10	1	0.0000	362531.686	0.0000	1.0000
item*region2	gate, 11	0	0.0000	0.0000	.	.
item*region2	nibs, 7	1	-29.1571	291865.736	0.0000	0.9999
item*region2	nibs, 8	1	-29.1571	357461.063	0.0000	0.9999
item*region2	nibs, 9	1	-29.1571	206380.241	0.0000	0.9999
item*region2	nibs, 10	1	-3.9890	1.3017	9.3907	**0.0022**
item*region2	nibs, 11	0	0.0000	0.0000	.	.
item*region2	pegs, 7	1	1.5224	0.9350	2.6512	0.1035
item*region2	pegs, 8	1	2.9087	1.2745	5.2090	**0.0225**
item*region2	pegs, 9	1	4.1325	1.2178	11.5150	**0.0007**
item*region2	pegs, 10	1	1.2993	0.9079	2.0481	0.1524
item*region2	pegs, 11	0	0.0000	0.0000	.	.
item*region2	pois, 7	1	0.5390	1.1073	0.2369	0.6264

item*region2	pois, 8	1	0.1823	1.3354	0.0186	0.8914
item*region2	pois, 9	1	-0.2877	1.0704	0.0722	0.7881
item*region2	pois, 10	1	0.4055	1.0992	0.1361	0.7122
item*region2	pois, 11	0	0.0000	0.0000	.	.
item*region2	quit, 7	1	-0.0000	291865.736	0.0000	1.0000
item*region2	quit, 8	1	-0.0000	357461.063	0.0000	1.0000
item*region2	quit, 9	0	24.5321	0.0000	.	.
item*region2	quit, 10	1	-0.0000	276888.149	0.0000	1.0000
item*region2	quit, 11	0	0.0000	0.0000	.	.
item*region2	tags, 7	0	28.0584	0.0000	.	.
item*region2	tags, 8	1	-0.0000	357461.063	0.0000	1.0000
item*region2	tags, 9	1	-0.0000	206380.241	0.0000	1.0000
item*region2	tags, 10	1	-0.0000	276888.149	0.0000	1.0000
item*region2	tags 11	0	0.0000	0.0000	.	.
item*region2	twig, 7	1	0.0000	374095.956	0.0000	1.0000
item*region2	twig, 8	1	0.0000	427247.689	0.0000	1.0000
item*region2	twig, 9	1	0.0000	312017.596	0.0000	1.0000
item*region2	twig, 10	1	0.0000	362531.686	0.0000	1.0000
item*region2	twig, 11	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce Terms 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	bags	1	-2.3168	0.3962	34.2001	0.0001
item	fans	1	-1.7047	0.3138	29.5088	0.0001
item	flix	1	-2.9178	0.5133	32.3072	0.0001
item	gate	1	-27.3653	0.4036	4598.2640	0.0001
item	nibs	1	-4.3438	1.0065	18.6267	0.0001
item	pegs	1	0.6931	0.2402	8.3279	0.0039
item	pois	1	-1.1331	0.2638	18.4521	0.0001
item	quit	1	-4.3438	1.0065	18.6267	0.0001
item	tags	1	-2.4849	0.4249	34.1987	0.0001
item	twig	1	-27.3653	0.3813	5150.0551	0.0001
item*region1	bags, 1	1	1.6236	0.4857	11.1754	**0.0008**
item*region1	bags, 2	0	0.0000	0.0000	.	.
item*region1	fans, 1	1	-25.6606	115975.683	0.0000	0.9998
item*region1	fans, 2	0	0.0000	0.0000	.	.
item*region1	flix, 1	1	-1.1076	1.1320	0.9574	0.3279
item*region1	flix, 2	0	0.0000	0.0000	.	.
item*region1	gate, 1	0	25.3992	0.0000	.	.
item*region1	gate, 2	0	0.0000	0.0000	.	.
item*region1	nibs, 1	1	-23.0215	115975.683	0.0000	0.9998
item*region1	nibs, 2	0	0.0000	0.0000	.	.

item*region1	pegs, 1	1	-0.0780	0.3670	0.0451	0.8318
item*region1	pegs, 2	0	0.0000	0.0000	.	.
item*region1	pois, 1	1	0.6688	0.3790	3.1146	0.0776
item*region1	pois, 2	0	0.0000	0.0000	.	.
item*region1	quit, 1	1	2.3777	1.0844	4.8080	**0.0283**
item*region1	quit, 2	0	0.0000	0.0000	.	.
item*region1	tags, 1	1	-0.8293	0.8359	0.9842	0.3212
item*region1	tags, 2	0	0.0000	0.0000	.	.
item*region1	twig, 1	0	25.5529	0.0000	.	.
item*region1	twig, 2	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Truce Terms in Sub-Regions Excluding Southland-Otago

Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00	0.0000	.	.	
item	bags	1	-2.1972	1.0541	4.3450	0.0371
item	fans	1	-26.3653	0.4282	3791.6244	0.0001
item	flix	1	-26.3653	0.5528	2274.9728	0.0001
item	gate	1	-26.3655	1.0198	668.4024	0.0001
item	nibs	1	-2.1972	1.0541	4.3450	0.0371
item	pegs	1	0.0000	0.6325	0.0000	1.0000
item	pois	1	-1.3863	0.7906	3.0749	0.0795
item	quit	1	-26.3655	1.0290	656.5215	0.0001
item	tags	1	-26.3653	0.7071	1390.2534	0.0001
item	twig	1	-26.3654	0.4421	3555.8775	0.0001
item*region2	bags, 1	1	2.8904	1.3642	4.4889	0.0341
item*region2	bags, 2	1	1.5041	1.3642	1.2155	0.2702
item*region2	bags, 3	1	2.3026	1.1499	4.0098	**0.0452**
item*region2	bags, 4	1	0.1603	1.2198	0.0173	0.8954
item*region2	bags, 5	1	0.5878	1.3081	0.2019	0.6532
item*region2	bags, 6	1	-0.8473	1.4693	0.3326	0.5642
item*region2	bags, 7	1	0.1178	1.4954	0.0062	0.9372
item*region2	bags, 8	1	-24.1681	216811.094	0.0000	0.9999
item*region2	bags, 9	1	0.1178	1.2937	0.0083	0.9275
item*region2	bags, 10	0	0.0000	0.0000	.	.
item*region2	fans, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	fans, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	fans, 3	1	0.0000	121837.317	0.0000	1.0000
item*region2	fans, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	fans, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	fans, 6	0	26.5477	0.0000	.	.
item*region2	fans, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	fans, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	fans, 9	1	0.0000	125175.944	0.0000	1.0000

item*region2	fans, 10	0	0.0000	0.0000	.	.
item*region2	flix, 1	1	0.0000	216811.094	0.0000	1.0000
item*region2	flix, 2	1	0.0000	216811.094	0.0000	1.0000
item*region2	flix, 3	1	23.4750	1.1667	404.8704	**0.0001**
item*region2	flix, 4	1	0.0000	104152.681	0.0000	1.0000
item*region2	flix, 5	1	0.0000	153308.595	0.0000	1.0000
item*region2	flix, 6	0	24.8613	0.0000	.	.
item*region2	flix, 7	1	0.0000	177025.517	0.0000	1.0000
item*region2	flix, 8	1	0.0000	216811.094	0.0000	1.0000
item*region2	flix, 9	1	0.0000	125175.944	0.0000	1.0000
item*region2	flix, 10	0	0.0000	0.0000	.	.
item*region2	gate, 1	1	0.0002	216811.094	0.0000	1.0000
item*region2	gate, 2	1	0.0002	216811.094	0.0000	1.0000
item*region2	gate, 3	1	25.5923	1.1330	510.2606	**0.0001**
item*region2	gate, 4	0	23.1466	0.0000	.	.
item*region2	gate, 5	1	0.0002	153308.595	0.0000	1.0000
item*region2	gate, 6	1	0.0002	113225.901	0.0000	1.0000
item*region2	gate, 7	1	0.0002	177025.517	0.0000	1.0000
item*region2	gate, 8	1	0.0002	216811.094	0.0000	1.0000
item*region2	gate, 9	1	0.0002	125175.944	0.0000	1.0000
item*region2	gate, 10	0	0.0000	0.0000	.	.
item*region2	nibs, 1	1	-24.1681	216811.094	0.0000	0.9999
item*region2	nibs, 2	1	-24.1681	216811.094	0.0000	0.9999
item*region2	nibs, 3	1	-24.1681	121837.317	0.0000	0.9998
item*region2	nibs, 4	1	-24.1681	104152.681	0.0000	0.9998
item*region2	nibs, 5	1	-24.1681	153308.595	0.0000	0.9999
item*region2	nibs, 6	1	-24.1681	113225.901	0.0000	0.9998
item*region2	nibs, 7	1	-24.1681	177025.517	0.0000	0.9999
item*region2	nibs, 8	1	-24.1681	216811.094	0.0000	0.9999
item*region2	nibs, 9	1	-24.1681	125175.944	0.0000	0.9998
item*region2	nibs, 10	0	0.0000	0.0000	.	.
item*region2	pegs, 1	1	1.6094	1.2649	1.6189	0.2032
item*region2	pegs, 2	1	0.6931	1.0724	0.4178	0.5180
item*region2	pegs, 3	1	0.1054	0.7817	0.0182	0.8928
item*region2	pegs, 4	1	0.8109	0.7619	1.1327	0.2872
item*region2	pegs, 5	1	2.3979	1.2210	3.8566	**0.0495**
item*region2	pegs, 6	1	-0.5596	0.7723	0.5251	0.4687
item*region2	pegs, 7	1	0.2231	0.9220	0.0586	0.8088
item*region2	pegs, 8	1	1.6094	1.2649	1.6189	0.2032
item*region2	pegs, 9	1	2.8332	1.2078	5.5024	**0.0190**
item*region2	pegs, 10	0	0.0000	0.0000	.	.
item*region2	pois, 1	1	2.9957	1.3509	4.9175	**0.0266**
item*region2	pois, 2	1	0.6931	1.1726	0.3494	0.5544
item*region2	pois, 3	1	0.8473	0.9226	0.8434	0.3584
item*region2	pois, 4	1	0.5754	0.8975	0.4110	0.5215

item*region2	pois, 5	1	2.4849	1.0341	5.7738	**0.0163**
item*region2	pois, 6	1	-0.4595	1.0055	0.2089	0.6476
item*region2	pois, 7	1	0.1335	1.1260	0.0141	0.9056
item*region2	pois, 8	1	-0.2231	1.3509	0.0273	0.8688
item*region2	pois, 9	1	-0.6931	1.0897	0.4046	0.5247
item*region2	pois, 10	0	0.0000	0.0000	.	.
item*region2	quit, 1	1	0.0002	216811.094	0.0000	1.0000
item*region2	quit, 2	1	0.0002	216811.094	0.0000	1.0000
item*region2	quit, 3	1	25.3359	1.1534	482.5459	**0.0001**
item*region2	quit, 4	1	23.8806	1.2651	356.3180	**0.0001**
item*region2	quit, 5	1	0.0002	153308.595	0.0000	1.0000
item*region2	quit, 6	1	0.0002	113225.901	0.0000	1.0000
item*region2	quit, 7	1	0.0002	177025.517	0.0000	1.0000
item*region2	quit, 8	1	0.0002	216811.094	0.0000	1.0000
item*region2	quit, 9	0	23.5323	0.0000	.	.
item*region2	quit, 10	0	0.0000	0.0000	.	.
item*region2	tags, 1	1	-0.0001	216811.094	0.0000	1.0000
item*region2	tags, 2	1	25.6721	1.1180	527.2457	**0.0001**
item*region2	tags, 3	1	-0.0001	121837.317	0.0000	1.0000
item*region2	tags, 4	1	-0.0001	104152.681	0.0000	1.0000
item*region2	tags, 5	1	-0.0001	153308.595	0.0000	1.0000
item*region2	tags, 6	1	-0.0001	113225.901	0.0000	1.0000
item*region2	tags, 7	0	27.0584	0.0000	.	.
item*region2	tags, 8	1	-0.0001	216811.094	0.0000	1.0000
item*region2	tags, 9	1	-0.0001	125175.944	0.0000	1.0000
item*region2	tags, 10	0	0.0000	0.0000	.	.
item*region2	twig, 1	1	24.7560	1.1813	439.1704	**0.0001**
item*region2	twig, 2	1	0.0001	216811.094	0.0000	1.0000
item*region2	twig, 3	1	0.0001	121837.317	0.0000	1.0000
item*region2	twig, 4	0	25.3669	0.0000	.	.
item*region2	twig, 5	1	0.0001	153308.595	0.0000	1.0000
item*region2	twig, 6	1	0.0001	113225.901	0.0000	1.0000
item*region2	twig, 7	1	0.0001	177025.517	0.0000	1.0000
item*region2	twig, 8	1	0.0001	216811.094	0.0000	1.0000
item*region2	twig, 9	1	0.0001	125175.944	0.0000	1.0000
item*region2	twig, 10	0	0.0000	0.0000	.	.
scale	0	1.00	0.0000	.	.	

Fans only: Further investigations
Fans by Decile
(Don't know why this figure isn't the same as when it did all the terms!! The figures for Catholic and U/R were the same!)
Analysis Of GEE Parameter Estimates – Empirical 95% Confidence Limits
Empirical Standard Error Estimates

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	fans	-4.6952	1.2442	-7.1339	-2.2566	-3.774	0.0002
decile*item	fans	0.3336	0.1572	0.0255	0.6417	2.1220	**0.0338**
scale	1.0443	.	.	.	.	.	

Fans by Decile in Sub-Region 6 only
Analysis Of GEE Parameter Estimates – Empirical 95% Confidence Limits
Empirical Standard Error Estimates

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	fans	-1.3583	1.2656	-3.8389	1.1223	-1.073	0.2832
decile*item	fans	0.2213	0.1694	-0.1107	0.5532	1.3065	0.1914
scale	1.0012	.	.	.	.	.	

Fans by Catholic in Sub-Region 6 only
Analysis Of Initial Parameter Estimates

parameter		DF	Estimate	Std Err	ChiSquare	Pr>Chi
intercept	0	0.00,	0.0000	.	.	
item	fans	1	26.3653	0.4859	2944.0826	0.0001
item*catholic	fans, 1	0	-26.4831	0.0000	.	.
item*catholic	fans, 2	0	0.0000	0.0000	.	.
scale	0	1.00,	0.0000	.	.	

Fans by Urban/Rural in Sub-Region 6 only
Analysis Of GEE Parameter Estimates – Empirical 95% Confidence Limits
Empirical Standard Error Estimates

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	fans	0.2513	0.5040	-0.7364	1.2390	0.4987	0.6180
item*urb_rur	fans, 1	-0.6568	1.0427	-2.7005	1.3869	-.6299	0.5288
item*urb_rur	fans, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0000	.	.	.	.	.	

Fans by Decile and Catholic (whole country), Model 2 (no sig. figs. Model 1)

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

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	fans	-3.5411	1.4141	-6.3127	-0.7696	-2.504	0.0123
decile*item	fans	0.3446	0.1817	-0.0115	0.7007	1.8968	0.0579
item*catholic	fans, 1	-1.5017	0.7081	-2.8896	-0.1138	-2.121	**0.0339**
item*catholic	fans, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.1108	.	.	.	.	.	

Fans by Decile and Urban/Rural (whole country) , Model 2 (no sig. figs. Model 1)

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

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	fans	-3.3661	1.0850	-5.4928	-1.2395	-3.102	0.0019
decile*item	fans	0.2340	0.1378	-0.0361	0.5041	1.6981	0.0895
item*urb_rur	fans, 1	-1.7718	0.7827	-3.3059	-0.2377	-2.264	**0.0236**
item*urb_rur	fans, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0651	.	.	.	.	.	

Fans by Catholic and Urban/Rural (whole c'ntry), Model 2 (no sig. figs. Mdl 1)

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

parameter		Estimate	Std Err	Lower	Upper	Z	Pr>|Z|
intercept	0.0000	.	.	.	.	.	
item	fans	-0.7016	0.6022	-1.8819	0.4788	-1.165	0.2440
item*catholic	fans, 1	-1.3006	0.6936	-2.6601	0.0589	-1.875	0.0608
item*catholic	fans, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
item*urb_rur	fans, 1	-1.8733	0.8013	-3.4438	-0.3028	-2.338	**0.0194**
item*urb_rur	fans, 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
scale	1.0360	.	.	.	.	.	

