

revised 11/5/96

VILLAGE TIES: Shared Schools, elementary and secondary:

There are two relations described here. The relations (sharing secondary schools and sharing elementary schools) are coded in separate matrices:

changes from previous version:

I have removed references to where students went to school before there was a school in the village.

There is no check on the school *most* students attend.

I have added instructions for coding elementary schools, so there are two sets of instructions, one for secondary schools and one for elementary schools..

Sharing secondary schools:

Relevant variables:

Q3.43 Does this village have a secondary school?

Q3.47.1 In which secondary school do the children in this village study?

Q3.47.2

Q3.47.3

Coding instructions sharing secondary schools:

if Q3.43 = 1 then for responding village i , $x_{ii} = 1$; then go to the next village record

(comment: there is a tie from a village to itself if the village has a secondary school. The skip pattern in the questionnaire shows that if a village has a secondary school, questions about students going to other schools are not asked so I am assuming variables Q3.47.1 to Q3.47.3 and Q3.48 would be inapplicable. This could be checked.)

if Q3.43 = 2 then go to Q3.47.1

(comment: the village does not have a secondary school)

Q3.47.1 is the number of the village/district/province named by the responding village

if Q3.47.1 = 9998 then go to next village/record

(comment: the response is inapplicable. I assume that Q3.47.2 and Q3.47.3 are also inapplicable, but this can be checked)

(comment: The following lines will sort out whether Q3.47.1 is a village, district, or province number and then go to the appropriate coding description.)

if the first digit of Q3.47.1 is 2 then another village is named; skip to instructions for coding ties to other villages

if the first digit of Q3.47.1 is 3 then a village in another district is named; skip to instructions for coding ties to villages in other districts

if the first digit of Q3.47.1 is 4 then a village in another province is named; skip to instructions for coding ties to villages in other provinces

- skip to here if Q3.47.1 is a village number

let j = the position of village number Q3.47.1 in the ordered list of villages

$x_{ij} = 1$

(comment: responding village i has named village j as a village to which students go for secondary school. The tie from i to j is coded as present.)

Go to the next named village/district/province (Q3.47.2, Q3.47.3)

- skip to here if Q3.47.1 is a district number

let j = the position of district number Q3.47.1 in the ordered list of districts

$y_{ij} = 1$

(comment: responding village i has named district j as a district to which students go for secondary school. The tie from i to j is coded as present.)

Go to the next named village/district/province (Q3.47.2 or Q3.47.3)

- skip to here if Q3.47.1 is a province number

let j = the position of province number Q3.47.1 in the ordered list of provinces

$z_{ij} = 1$

(comment: responding village i has named province j as a province to which students go for secondary school. The tie from i to j is coded as present.)

Go to the next named village/district/province (Q3.47.2 or Q3.47.3)

Q3.47.2 and Q3.47.3 will be handled in the same way as Q3.47.1

Sharing elementary schools:

Relevant variables:

Q3.36 Does this village have a primary school?

Q3.40.1 What's village school that the children study? 1st named school

Q3.40.2 What's village school that the children study? 2nd named school

Q3.40.3 What's village school that the children study? 3rd named school

(comment: my versions of the codebook are not clear about the variable names for the three named schools. I am assuming that they follow the usual convention Qx.xx.1, Qx.xx.2, Qx.xx.3).

Coding instructions for sharing elementary schools:

if Q3.36 = 1 then for responding village i , $x_{ii} = 1$; then go to the next village record

(comment: there is a tie from a village to itself if the village has an elementary school.)

if Q3.36 = 2 then go to Q3.40.1

(comment: the village does not have a elementary school)

Q3.40.1 is the number of the village/district/province named by the responding village

if Q3.40.1 = 9998 then go to next village/record

(comment: the response is inapplicable. I assume that Q3.40.2 and Q3.40.3 are also inapplicable, but this can be checked)

(comment: The following lines will sort out whether Q3.40.1 is a village, district, or province number and then go to the appropriate coding description.)

if the first digit of Q3.40.1 is 2 then another village is named; skip to instructions for coding ties to other villages

if the first digit of Q3.40.1 is 3 then a village in another district is named; skip to instructions for coding ties to villages in other districts

if the first digit of Q3.40.1 is 4 then a village in another province is named; skip to instructions for coding ties to villages in other provinces

- skip to here if Q3.40.1 is a village number

let j = the position of village number Q3.40.1 in the ordered list of villages

$$x_{ij} = 1$$

(comment: responding village i has named village j as a village to which students go for elementary school. The tie from i to j is coded as present.)

Go to the next named village/district/province (Q3.40.2, Q3.40.3)

- skip to here if Q3.40.1 is a district number

let j = the position of district number Q3.40.1 in the ordered list of districts

$$y_{ij} = 1$$

(comment: responding village i has named district j as a district to which students go for elementary school. The tie from i to j is coded as present. We will have a matrix with entries y_{ij} that is villages by districts to code the ties outside the village.)

Go to the next named village/district/province (Q3.40.2 or Q3.40.3)

- skip to here if Q3.40.1 is a province number

let j = the position of province number Q3.40.1 in the ordered list of provinces

$$z_{ij} = 1$$

(comment: responding village i has named province j as a province to which students go for elementary school. The tie from i to j is coded as present.)

Go to the next named village/district/province (Q3.40.2 or Q3.40.3)

Q3.40.2 and Q3.40.3 will be handled in the same way as Q3.40.1
