

Nang Rong Projects

Codebook for the Circular Migration Data File

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Circular Migration Data File

The Goal

As described in Ron Rindfuss' document "Instructions for creating the circular migration file" dated December 22, 2003: "The goal is to create a file that characterizes the migration experience of migrants in terms of departures and returns from the village of origin. A departure and a return constitutes a circular migration. A person can have numerous such circular migrations. The first one is "order 1;" and the order for subsequent circular migrations increase one at a time."

The Input Data

To create the circular migration file, all of the life history data from the Nang Rong Projects data archive needed to be brought together into one data file. This included data from the following forms:

- Form 5 from the 1994 Household Survey
- Form 10 from the 1994-1995 Migrant Follow-Up Survey
- Form 5 from the 2000 Household Survey
- Form 11 from the 2000-2001 Migrant Follow-Up Survey

The one life history data file was then used to construct the final circular migration data file. The construction of this one life history data file required three major steps:

- 1) The first major step involved standardizing the residence codes, since they were different across the four life history data files.
- 2) The second major step involved the removal of overlapping years. Some individuals had life history data from both 1994 and 2000, which produced overlap of four or more years. When there was overlap, the rules described on page 4 of "Instructions for creating the circular migration file" were used to remove the overlapping years.
- 3) The third major step involved restructuring the life history data file from one record being a person year to one record being a residence where the individual lived. For each person year, an individual could live in 6 different residences. The restructuring of the data involved outputting each residence along with the job(s) and the education (if any) of that residence.

Once the life history data was restructured to the residence level, the final circular migration data file was constructed.

The Data File

The circular migration data file is a file where each circular migration interval order "i" for an individual is a record. Some individuals have just one record, while other individuals have multiple records.

SAS Xport Data Set	N	# of Variables	1 obs =	Sorted by
circmig	33,727 intervals (for 18,745 individuals)	135	circular migration interval	NRPID ORDER

Individual, Household and Migrant Identifiers

Variable			Description	Code
Name	Type	Size		
Nang Rong Person Identifier				
NRPID	A	6	A unique 6-digit sequence number that uniquely identifies an individual who participated in either the household and/or migrant follow-up phases of the Nang Rong Projects data collections in 1984, 1994 and/or 2000.	000001 – 057416
Household ID from 2000 Questionnaire				
HHID00	A	9	<ul style="list-style-type: none"> First 6 digits are 2000 village number Last 3 digits are 2000 house number N/A	Village # + House # []
2000 CEP Number				
CEP00	A	2	2-digit sequence number N/A	01 – 20 []
Household ID from 1994 Questionnaire				
HHID94	N	8	<ul style="list-style-type: none"> First 4 digits are 1994 village number Next 3 digits are sequence number Last digit is type of household (1=old household, 2=new household) N/A	[.]
1994 CEP Number				
CEP94	A	3	Member listed on Form 1 of an Old HH, which is <u>not</u> the Secondary HH in a Combined Old HH Member listed on Form 2 of an Old HH Member listed on Form 3 of a New HH Member listed on Form 1 of the Secondary Combined Old HH... If member is coded as '1' on Q1 If member is coded as '0' or '3' on Q1 N/A	101 – 205 401 – 409 501 – 511 401 – 407, 501 491 – 494 []

Variable			Description	Code
Name	Type	Size		
1984 Village Number				
VILL84	A	2	Please note that the village # was recoded for some houses in village 21, since it split into villages 21 and 51 shortly after the 1984 data collection. N/A	01 – 51 []
1984 House Number				
HOUSE84	A	3	A 3-digit sequence number that is part of the 1984 household questionnaire identifier. N/A	001 – 185 []
1984 CEP Number				
CEP84	A	3	Current household member (A1) Temporarily absent household member (A2) N/A	101 – 118 201 – 209 []
Migrant Follow-Up ID from 2000 Questionnaire				
MID00	A	11	<ul style="list-style-type: none"> First 6 digits = 2000 Origin Village Number Last 5 digits = Sequence Number N/A	Village # + Sequence # []
2000 Migrant Type				
MIGTYPE	A	4	Rural to urban migrant Rural to urban migrant who returned home Rural to rural migrant Rural to rural migrant who returned home N/A	R2U R2UR R2R R2RR []
2000 MCEP code				
MCEP00	A	2	2-digit sequence number N/A	01 – 10 []
Migrant Follow-Up ID from 1994 Questionnaire				
MID	N	7	<ul style="list-style-type: none"> First 4 digits = 1994 Origin Village Number Last 3 digits = Sequence Number N/A	Village # + Sequence # [.]
1994 MCEP code				
MCEP8	A	3	3-digit sequence number N/A	801 – 810 []
Order of the Circular Migration				
ORDER	N	2	Circular migration interval number	1 – 31

Individual-Level Flag and Status Variables

Variable			Description	Code
Name	Type	Size		
			Sample Migrant Village	
MIGVILL	N	1	Not a sample migrant village Sample migrant village	0 1
			Identifiers flag variable that indicates which survey years the individual has household and individual identifiers.	
IDSFL	A	6	1984, 1994 and 2000 1984 and 1994 1984 and 2000 1984 only 1994 and 2000 1994 only 2000 only N/A	849400 8494__ 84__00 84____ __9400 __94__ ____00 []
			Migrant identifiers flag variable that indicates which survey years the individual has migrant identifiers.	
MIGIDSFL	A	4	1994 and 2000 1994 only 2000 only N/A	9400 94__ __00 []
			1994 Migrant Type	
MTYPE94	A	4	Rural to urban migrant Rural to urban migrant who returned home N/A	R2U R2UR []
			The Life History forms variable specifies which forms for which there is life history data for the individual. Please note that many individuals have data from 2 or more forms.	
LHCFORMS	A	7	1994 Form 5 only 1994 Form 5 and 2000 Form 5 1994 Form 5 and 2000 Form 11 1994 Form 5, 2000 Form 5 and 2000 Form 11 1994 Form 5 and 1994 Form 10 1994 Form 5, 1994 Form 10 and 2000 Form 5 1994 Form 5, 1994 Form 10 and 2000 Form 11 1994 Form 10 only 1994 Form 10 and 2000 Form 5 1994 Form 10 and 2000 Form 11 2000 Form 5 only 2000 Form 5 and 2000 Form 11 2000 Form 11 only	5/_ 5/5 5/11 5/5&11 5&10/_ 5&10/5 5&10/11 10/_ 10/5 10/11 _/5 _/5&11 /11

Variable			Description	Code
Name	Type	Size		
			The Life History Calendar for this 1994 individual ended before 1994.	
LT1994	N	1	No Yes	0 1
			The Life History Calendar for this 2000 individual ended before 2000.	
LT2000	N	1	No Yes	0 1
			The ages over the individual's entire Life History Calendar are not sequential.	
AGEPRFL	N	1	No Yes	0 1
			The number of years in age the individual's Life History Calendar jumps forward or backward.	
AGEDIFF	N	2	Number of years N/A	-18 – 14 [.]
			The years over the individual's entire Life History Calendar are not sequential.	
YRPRFL	N	1	No Yes	0 1
			The number of years the individual's Life History Calendar jumps forward.	
YRDIFF	N	1	Number of years N/A	2 – 3 [.]
			The individual was in the origin village at the age of 13 for the start of the Life History Calendar.	
VILAT13	N	1	No Yes	0 1
			Left censored. The individual does not have a 1994 Life History Calendar but the 2000 Life History Calendar began at an age other than 13.	
LEFTCEN	N	1	No Yes	0 1

Variable			Description	Code
Name	Type	Size		
			Sex of the individual based on one of the following sources (in priority order): <ul style="list-style-type: none"> • 2000 Household Survey • 2000 Migrant Follow-Up Survey • 1994 Household Survey • 1994 Migrant Follow-Up Survey • Life History Calendar (LHC_UYR) 	
GENDER	N	1	Male Female	1 2
			Age at first marriage of the individual, based on one of the following sources (in priority order): <ul style="list-style-type: none"> • 2000 Household Survey • 2000 Migrant Follow-Up Survey • 1994 Household Survey • 1994 Migrant Follow-Up Survey 	
AAFM	N	2	Actual age in years N/A	11 – 55 [.]
			For women only, age at first birth based on one of the following sources (in priority order): <ul style="list-style-type: none"> • 2000 Household Survey • 2000 Migrant Follow-Up Survey • 1994 Household Survey • 1994 Migrant Follow-Up Survey 	
AAFB	N	2	Actual age in years N/A	13 – 45 [.]
			Age when the individual is first reported to be living in the origin village.	
AGERV	N	2	Actual age in years N/A	13 – 58 [.]
			For those individuals who were not in the village at age 13, were they married before, after or during the same year that they moved into the origin village?	
MARMVE13	N	1	In village at age 13 Married before moved into the village Married same year moved into the village Married after moved into the village LHC is left-censored - do not know if the individual was in the village at age 13. N/A	0 1 2 3 9 [.]

Circular Migration Interval Variables

Variable			Description	Code
Name	Type	Size		
			Type of circular migration	
TYPE	N	1	Returned to the origin village Still gone Never left the origin village Not in the origin village since age 13 Missing all of the residence data	1 2 3 4 9
			A count of residences before the circle is completed by the individual returning to the origin village.	
RESNUM	N	2	Number of residences N/A	1 – 43 [.]
			The “jth” residence in the circular migration interval.	
RES1	A	3	Residence 1 In their (1984) origin village Another village in Nang Rong Another district in Buriram Bangkok Khorat Rayong Chonburi Another province Another country N/A Missing/Don't know Residences 2 – 43	0 1 2 3 4 5 6 7+ Province # 8 + Country # [] 999
Residences 2 – 43 use the same codes as Residence 1				
RES2	A	3		
RES3	A	3		
RES4	A	3		
RES5	A	3		
RES6	A	3		
RES7	A	3		
RES8	A	3		
RES9	A	3		
RES10	A	3		
“	“	“		
“	“	“		
“	“	“		
RES41	A	3		
RES42	A	3		
RES43	A	3		

Variable			Description	Code
Name	Type	Size		
AGERES1	N	2	<p>The age when the individual was <u>first</u> in the “jth” residence in the circular migration interval.</p> <p>Age at Residence 1</p> <p>Age in years N/A</p> <p>Age at Residences 2 – 43</p> <p>Age at Residences 2 – 43 use the same codes as Age at Residence 1</p>	13 – 54 [.]
AGERES2	N	2		
AGERES3	N	2		
AGERES4	N	2		
AGERES5	N	2		
AGERES6	N	2		
AGERES7	N	2		
AGERES8	N	2		
AGERES9	N	2		
AGERES10	N	2		
“	“	“		
“	“	“		
“	“	“		
AGERES41	N	2		
AGERES42	N	2		
AGERES43	N	2		
BEGAGE	N	2	<p>Age at the start of the circular migration interval.</p> <p>Age in years N/A</p>	13 – 58 [.]
BEGYR	N	4	<p>Year at the start of the circular migration interval.</p> <p>Western calendar year N/A</p>	1955 – 2001 [.]
MAR_BEG	N	1	<p>Married at the start of the circular migration interval. Please note that for some individuals, it is unclear if they were married at the start. Half of these individuals were randomly chosen and coded as married.</p> <p>No Yes</p>	0 1
AMBMARFL	N	1	<p>It is unclear as to whether the individual was married at the start of the circular migration interval (AAFMM=BEGAGE).</p> <p>No Yes</p>	0 1

Variable			Description	Code
Name	Type	Size		
			Parent at the start of the circular migration interval. Please note that for some individuals, it is unclear if they were a parent at the start. Half of these individuals were randomly chosen and coded as a parent.	
PAR_BEG	N	1	No Yes N/A	0 1 [.]
			It is unclear as to whether the individual was a parent at the start of the circular migration interval (AAFB=BEGAGE).	
AMBPARFL	N	1	No Yes N/A	0 1 [.]
			Age at the end of the circular migration interval.	
ENDAGE	N	2	Age in years N/A	13 – 66 [.]
			Year at the end of the circular migration interval.	
ENDYR	N	4	Western calendar year N/A	1956 – 2001 [.]
			Duration of the circular migration interval.	
DUR	N	2	Number of years in age (ENDAGE – BEGAGE) N/A	-10 – 45 [.]
			The individual was a student at <u>any time</u> during the circular migration interval.	
STUDENT	N	1	No Yes N/A	0 1 [.]
			The individual was a construction worker for the <u>entire duration</u> of the circular migration interval.	
CONSTR	N	1	No Yes N/A	0 1 [.]

Variable			Description	Code
Name	Type	Size		
			Was the Life History data a proxy report for the beginning and ending of the circular migration interval?	
PROXY	A	3	<p>Since the data source could be different from the beginning to the end of the circular migration interval, there are two codes separated by a '/',.</p> <p>Possible beginning and ending codes:</p> <p>0 = No, this not a proxy report. 1 = Yes, this is a proxy report. 2 = Unknown (special R2UR in 1994). 9 = Missing/don't know.</p>	Beg. Code / End Code
			Source of the data at the beginning of the circular migration interval.	
SOURCEB	N	1	1994 Household Survey (Form 5) 1994 Migrant Follow-Up Survey (Form 10) 2000 Household Survey (Form 5) 2000 R2U Migrant Follow-Up Survey (Form 11) 2000 R2R Migrant Follow-Up Survey (Form 11)	1 2 3 4 5
			Source of the data at the end of the circular migration interval.	
SOURCEE	N	1	1994 Household Survey (Form 5) 1994 Migrant Follow-Up Survey (Form 10) 2000 Household Survey (Form 5) 2000 R2U Migrant Follow-Up Survey (Form 11) 2000 R2R Migrant Follow-Up Survey (Form 11)	1 2 3 4 5
			1994 and/or 2000 data are available for this individual within this circular migration interval.	
TWOSOU	N	1	Both 1994 and 2000 data are available Just 1994 data are available Just 2000 data are available	1 2 3