



IMG

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## ***Pauvreté multidimensionnelle***

Annexes techniques

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## **Appendice 2**

**Le Questionnaire Communautaire et le dictionnaire des données**

July

SOCIALIST REPUBLIC OF VIETNAM

NEW  
TRANSLATION

COMMUNITY QUESTIONNAIRE

Name of commune

Interview date

Supervisor

Time of begin

Time of end

National Steering Committee

September, 1992

\* LIST OF THE INTERVIEWED PERSONS \*

ORDER NUMBER	N A M E	TITLE AND PROFESSION
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

SECTION 1: DEMOGRAPHIC INFORMATION

1. How many people live in this community ? PERSON

2. How many of these people are female ? FEMALE

3. What is the date for which these numbers apply ?

DAY

MONTH

YEAR

4. How many households live in this community? HOUSEHOLDS

5. What are the principal ethnic groups represented in this community ?

LIST IN ORDER OF IMPORTANCE

KINH .....1	MUONG.....6	FIRST	<input type="text"/>
TAY.....2	NUNG.....7	SECOND	<input type="text"/>
THAI.....3	H'MONG....8	THIRD	<input type="text"/>
CHINESE...4	DAO.....9	FOURTH	<input type="text"/>
KHMER.....5	OTHER....10		

6. What are the major religions practiced by the residents of this community ?

LIST IN ORDER OF IMPORTANCE

BUDDHIST. . . . . 1	FIRST:	<input type="text"/>
CATHOLIC. . . . . 2	SECOND:	<input type="text"/>
PROTESTANT. . . . . 3	THIRD:	<input type="text"/>
OTHER . . . . . 4		

(SPECIFY \_\_\_\_\_ )

7. Since 1987 (that is, five years ago), have more new people moved to your community, or have there been more people that moved away ?

MORE ARRIVALS . . . . . 1	<input type="text"/>
MORE DEPARTURES . . . . . 2	
ABOUT THE SAME OF BOTH . . . . . 3	
NEITHER ARRIVALS NOR DEPARTURES . . . . . 4	

SECTION 2: ECONOMY AND INFRASTRUCTURE

1. What are the major income earning activities of the people of this community ?

LIST IN ORDER OF IMPORTANCE

- AGRICULTURE/FORESTRY.....1
- INDUSTRY.....2
- FISHING.....3
- CONSTRUCTION.....4
- COMMERCE.....5
- TRANSPORT.....6
- CRAFT/ARTISAN.....7
- SERVICE.....8
- OTHER.....9

FIRST:

SECOND:

THIRD:

2. Do you think that the life for the people in this community is better or worse than it was five years ago?

- BETTER.....1
- WORSE.....2
- NO CHANGE..3

3. Why ?

LIST IN ORDER OF IMPORTANCE

- CHANGES IN AGRICULTURAL POLICIES.....1
- EXPANSION IN NON-AGRICULTURAL EMPLOYMENT....2
- WEATHER.....3
- INFLATION.....4
- CHANGES IN CONDITIONS FOR IMPROVING ABILITIES, EDUCATION, SKILLS .....5
- CHANGES IN ACCESSIBILITY OF MEDICAL CARE....6
- CHANGES IN ACCESSIBILITY OF SOCIAL SERVICES.7
- NATURAL DISASTER.....8
- OTHER.....9

FIRST:

SECOND:

THIRD:

FOURTH:

4. Does a road (a road for motor vehicles) pass by this community?

- YES...1 ( >>6 )
- NO....2

5. How far from this village is the nearest road? (a road for motor vehicles)

KILOMETERS:

6. Is the road that comes to this community impassable during certain times of the year ?

YES . . . . 1   
NO . . . . 2 ( >>8 )

7. For how long is the road usually impassable during the year ?

NUMBER OF THE MONTHS:

8. Do any households in this community have electricity or a generator ?

YES. . . . 1   
NO . . . . 2 ( >>10 )

9. Do most households have electricity, or only a few ?

MOST HOUSEHOLDS . . . 1   
ONLY A FEW . . . . . 2

10. Do any households in this village have pipe-bourne water ?

YES. . . . 1   
NO . . . . 2 ( >>12 )

11. Do most households have pipe-bourne water, or only a few ?

MOST HOUSEHOLDS . . . 1   
ONLY A FEW . . . . . 2

12. What is the major source of drinking water for most the people in this community during the dry season ?

PRIVATE TAP . . . . . 1  
PUBLIC TAB . . . . . 2   
DEEP DRILLED WELL WITH PUMP . . 3  
HAND DUG WELL (WITHOUT PUMP). . 4  
SPRING RIVER, LAKE . . . . . 5  
RAIN WATER . . . . . 6  
OTHER . . . . . 7  
(SPECIFY: \_\_\_\_\_ )

13. And during the rainy season ?

- PRIVATE TAP. . . . . 1
- PUBLIC STAND PIPE . . . . . 2
- DEEP DRILLED WELL WITH PUMP. 3
- HAND DUG WELL WITHOUT PUMP. 4
- SPRING, RIVER, LAKE. . . . . 5
- RAIN WATER . . . . . 6
- OTHER . . . . . 7

(SPECIFY: \_\_\_\_\_ )

14. Is there a food shop or restaurant in this community ?

- YES. . . . . 1
- NO . . . . . 2

15. Is there a post office in this community ?

- YES. . . . 1 ( >>17 )
- NO . . . . 2

16. How far away is the nearest a post office ?

KILOMETERS:

17. Is there a public loudspeaker or radio station in this village ?

- YES. . . . . 1
- NO . . . . . 2

18. How many households have radio set or cassette player?

HOUSEHOLDS:

OR PERCENT

19. How many households have T.V. set ?

HOUSEHOLDS:

OR PERCENT

20. Is there a permanent (daily) market in this community?

- YES. . . . . 1 ( >> 24 )
- NO . . . . . 2

21. Is there a periodic market in this community ?

- YES. . . . . 1
- NO . . . . . 2 ( >>23 )

22. How often is this market ?

TIME UNIT CODE:	
WEEK . . . . . 4	QUARTER. . . . 6
MONTH . . . . . 5	HALF YEAR. . . 7
	YEAR . . . . . 8

NUMBER OF TIMES:

PER TIME UNIT:



23. How far away is nearest periodic or daily market ?

KILOMETERS:

24. Does public transport pass through this community ?

YES . . . . 1 ( >>26 )  
NO . . . . 2

25. How far away must you go to catch public transport ?

KILOMETERS:

26. How frequently does this public transport run ?

TIME UNIT CODE:	
DAY . . . . 3	QUARTER . . 6
WEEK . . . . 4	HALF YEAR . 7
MONTH . . . 5	YEAR . . . . 8

NUMBER OF TIMES:

PER TIME UNIT:

27. Do any of people in this community leave temporarily during certain times of the year to look work elsewhere ?

YES . . . . 1  
NO . . . . 2 ( >>33 )

28. How many people ?

PERSONS:

29. Where do most of them go ?

(NOTE WHETHER IT IS A URBAN AREA, RURAL AREA OR ABROAD?)

URBAN AREA . . . . 1  
RURAL AREA . . . . 2  
OVERSEAS . . . . 3

30. What type of work do they look for during these times of the year ?

TRADING . . . . .1  
AGRICULTURAL WORK FOR HIRE . . . . 2  
NON-AGRICULTURAL WORK FOR HIRE . . . 3  
OTHER . . . . .4

31. How long do they work away from the community before returning

TIME UNIT CODE:	WEEK . . . . .	4
	MONTH . . . . .	5
	QUARTER. . . . .	6
	HALF YEAR. . . . .	7

NUMBER:

TIME UNIT:

32. What ages are most of the people who find seasonal work outside of the community ? Are they male or female ?

LESS THAN 16 YEARS OLD. . 1  
 FROM 16 TO 25 YEARS OLD . 2  
 FROM 25 TO 35 YEARS OLD . 3  
 FROM 35 TO 45 YEARS OLD.. 4  
 FROM 45 TO 55 YEARS OLD...5  
 MORE THAN 55 YEARS OLD... 6

MALE . . . . 1  
 FEMALE . . . 2

AGE

SEX

33. Do any people come to this community temporarily during certain times of the year to look for work ?

YES. . . . . 1  
 NO . . . . . 2 ( >> 35 )

34. Where do most of them come from ?  
(NOTE WHETHER IT IS A URBAN AREA, RURAL AREA OR ABROAD?)

URBAN AREA. . . . 1  
 RURAL AREA. . . . 2  
 OVERSEAS . . . . . 3

35. What type of work do they in this community ?

TRADING . . . . . 1  
 AGRICULTURAL WORK FOR HIRE.....2  
 NON-AGRICULTURAL WORK FOR HIRE..3  
 OTHER.....4

36. How long do they work in this community before leaving ?

TIME UNIT CODE:	WEEK . . . . .	4
	MONTH . . . . .	5
	QUARTER. . . . .	6
	HALF YEAR. . . . .	7

NUMBER:

TIME UNIT:

37. What ages are the people who come here to seasonal work ?  
Are they male or female ?

LESS THAN 16 YEARS OLD . 1  
 FROM 16 TO 25 YEARS OLD. 2  
 FROM 25 TO 35 YEARS OLD. 3  
 FROM 35 TO 45 YEARS OLD. 4  
 FROM 45 TO 55 YEARS OLD..5  
 MORE THAN 55 YEARS OLD...6

MALE . . . . 1  
 FEMALE . . . 2

AGE

SEX

38. What kinds of government (or other organizations) development projects exist in this community ?

(a) \_\_\_\_\_

(b) \_\_\_\_\_

(c) \_\_\_\_\_

39. Is there any large industrial or commercial enterprise in this community (e.g. factories, companies...) or less than 10 km far from this community ?

YES.....1

NO.....2(>>41)

40. How many people in this community work on this enterprise ( these enterprises ) ?

PERSONS WORKING  
IN ENTERPRISE(S):

41. What kind of handicrafts or traditional jobs are there in this community ?

(a)-----

(b)-----

(c)-----

42. How many households in this community do these types work?

NUMBER OF HOUSEHOLDS

NUMBER OF PERSONS

SECTION 3: EDUCATION ( GO TO SCHOOLS TO COMPLETE )

1. Is there a primary school in this community ? YES. . . . 1 ( >>5 )   
 NO . . . . 2

2. How far away is the nearest primary school to this community ? KILOMETERS:

3. How the children go to primary school ?  
 PUBLIC TRANSPORT....1 GO ON FOOT.....4   
 PRIVATE MOTO-BIKE...2 OTHER.....5  
 BICYCLE.....3

4. How long does it take for children to go there ?  
 (TIME ONE WAY) HOURS:  MINUTES:

FOR ALL OF SCHOOLS ASK:	SCHOOL 1	SCHOOL 2	SCHOOL 3
5. What is the name of the school ? NAME:			
6. Is this public or private ? PUBLIC..1 MIXED GOVT/PRIV..2 PRIVATE..3			
7. In what year was this school built ?			
8. What is the highest grade taught in this school ?			
9. How many teachers are there in this school ?			
10. How many of these teachers have had teacher training ?			
11. How many pupils are enrolled in the school on the opening day of school year?			
12. How many pupils are listed in the school at the end of first term ?			

13. How much are the study fees for this school? GRADE 1-3 THOUSAND DONGS:  GRADE 4-5 THOUSAND DONGS:

14. Does this school provide text books to students free of charge or must they pay a free ?  
 FREE.....1   
 SOME STUDENTS MUST PAY.....2  
 ALL MUST PAY.....3

15. Does this school have enough textbooks for student' use ?  
 NO .....1   
 SOME, BUT NOT ENOUGH.....2  
 ENOUGH.....3

16. How many children aged 6 to 11 are enrolled ?

CHILDREN:

OF WHICH GIRLS:

17. How many children aged 6 to 11 are not enrolled ?

CHILDREN:

OF WHICH GIRLS:

18. Why are some children in this community not attending primary school ?

FIRST:

- SCHOOL IS TOO FAR AWAY.....1
- ECONOMICAL DIFFICULTIES/SCHOOL IS TOO EXPENSIVE..2
- CHILDREN ARE ILL.....3
- CHILDREN ARE INCAPABLE OR DON'T LIKE SCHOOL....4
- SCHOOL OVERCROWDED/NOT ENOUGH PLACES.....5
- PARENTS DON'T CARE ABOUT CHILDREN'S EDUCATION...6
- CHILDREN ARE WORKING.....7
- OTHER REASONS.....8

SECOND:

THIRD:

19. What are the major problems with primary schooling in this community?

LIST IN ORDER OF IMPORTANCE:

- POOR MATERIAL CONDITIONS..... 1
- LIVING STANDARD OF TEACHERS IS TOO LOW..... 2
- SCHOOL BUDGET CONSTRAINT..... 3
- NOT ENOUGH PLACES/DESKS..... 4
- NOT ENOUGH SUPPLIES..... 5
- POOR QUALITY OF TEACHERS..... 6
- OTHER REASONS.....7

FIRST:

SECOND:

THIRD:

20. Is there a lower secondary school in this community ?

YES. . . . . 1 ( >> 24 )   
NO . . . . . 2

21. How far away is the nearest lower secondary school to this village ?

KILOMETERS:

22. How do the children go to lower secondary school?

- PUBLIC TRANSPORT.....1
- PRIVATE MOTOBIKE.....2
- BICYCLE.....3
- GO ON FOOT.....4
- OTHER.....5

23. How long does it take children to go to this lower secondary school?  
(TIME ONE WAY) HOURS:  MINUTES:

NAME OF LOWER  
SECONDARY SCHOOL: \_\_\_\_\_

LOCATION: \_\_\_\_\_

24. Is the school public or private ?  
PUBLIC . . . . . 1   
MIXED GOVT/PRIVATE . 2  
PRIVATE. . . . . 3

25. In what year was it built ?  
19:

26. How many teachers are there ?  
NUMBER OF TEACHERS:

27. How much are the study fees for this school?  
THOUSAND DONGS:

28. Does this school provide textbooks to students  
free of charge or must they pay a fee?  
FREE. . . . . 1   
SOME STUDENTS MUST PAY. . 2  
ALL MUST PAY. . . . . 3

29. Does this school have enough textbooks for student's use?  
NO . . . . . 1   
SOME, BUT NOT ENOUGH. . . . . 2  
ENOUGH. . . . . 3

30. How many children aged 11 to 14 are enrolled?  
CHILDREN:   
OF WHICH GIRLS:

31. How many children aged 11 to 14 are not enrolled?  
CHILDREN:   
OF WHICH GIRLS:

32. Why are some children in this community not attending primary lower secondary school ?

- SCHOOL IS TOO FAR AWAY.....1
  - ECONOMIC DIFFICULTIES/SCHOOL IS TOO EXPENSIV ...2
  - CHILDREN ARE ILL .....3
  - CHILDREN ARE INCAPABLE OR DON'T LIKE SCHOOL....4
  - SCHOOL OVERCROWDED/NOT ENOUGH PLACES.....5
  - PARENTS DON'T CARE ABOUT CHILDREN'S EDUCATION...6
  - CHILDREN ARE WORKING.....7
  - OTHER REASONS.....8
- FIRST:
- SECOND:
- THIRD:

33. What are the major problems with lower secondary schooling in this community?

LIST IN ORDER OF IMPORTANCE:

- POOR MATERIAL CONDITIONS..... 1
  - LIVING STANDARD OF TEACHERS IS TOO LOW..... 2
  - SCHOOL BUDGET CONSTRAINT..... 3
  - NOT ENOUGH PLACES/DESKS..... 4
  - NOT ENOUGH SUPPLIES..... 5
  - POOR QUALITY OF TEACHERS..... 6
  - OTHER REASONS.....7
- FIRST:
- SECOND:
- THIRD:

34. Is there an upper secondary school in this community?

- YES. . . . . 1 (>>38)
  - NO . . . . . 2
- 

35. How far away is the nearest upper secondary school to this village?

KILOMETERS:

36. How do children go to upper secondary school?

- PUBLIC TRANSPORT... . 1
  - PRIVATE MOTOBIKE. . . 2
  - BICYCLE. . . . . 3
  - GO ON FOOT. . . . . 4
  - OTHER. . . . . 5
- 

37. How long does it take children to go to this upper secondary school

HOURS:  MINUTES:

NAME OF UPPER SECONDARY SCHOOL: \_\_\_\_\_

LOCATION: \_\_\_\_\_

38. Is the school public or private?

- PUBLIC. . . . . 1
  - MIXED GOVT/PRIVATE. . . 2
  - PRIVATE. . . . . 3
-

39. In what year was it built ?

19:

40. How much are the study fees at this school?

THOUSAND DONGS:

41. Does this school provide textbooks to students free of charge or must they pay a fee?

FREE. . . . .	1	<input type="text"/>
SOME STUDENTS MUST PAY . . .	2	
ALL MUST PAY. . . . .	3	

42. Does this school have enough textbooks for student's use?

NO . . . . .	1	<input type="text"/>
SOME, BUT NOT ENOUGH. . . . .	2	
ENOUGH. . . . .	3	

43. How many children aged 15 to 17 are enrolled?

CHILDREN:

OF WHICH GIRLS:

44. How many children aged 15 to 17 are not enrolled?

CHILDREN:

OF WHICH GIRLS:

45. What are the most important problems with upper secondary school from the point of view of the people in this community?

LIST IN ORDER OF IMPORTANT

- POOR MATERIAL CONDITIONS.....1
- LIVING STANDARD OF TEACHER IS TOO LOW.....2
- SCHOOL BUDGET CONSTRAINT.....3
- NOT ENOUGH PLACES/DESKS.....4
- NOT ENOUGH SUPPLIES.....5
- POOR QUALITY OF TEACHER .....6
- NO FUTURE, DIFFICULTIES IN FINDING WORK AFTER GRADUATION..7
- ECONOMIC PROBLEM OF FAMILY.....8
- OTHER.....9

FIRST:

SECOND:

THIRD:



46. Is there, or has there been an adult literacy program in this community?

YES. . . . . 1  
NO. . . . . 2(>>49)

47. In what year was this program launched?

19:

48. Has this program been completed?

YES. . . . . 1  
NO. . . . . 2

49. Are there any other classes in this community, besides classes already mentioned? (SPECIFY \_\_\_\_\_)

YES. . . . . 1  
NO. . . . . 2(>>SECTION 4)

50. How many people attend these classes at present?

TOTAL:

MEN:

WOMEN:

SECTION 4: HEALTH

1 Is there a ..... in this community?  YES..... 1 ( >>5 ) NO ..... 2 ( >>2 )	2 How far away is the nearest .....?  KILOMETERS	3 Where is the nearest ..... located?  PLACE	4 How long does it take to get there on foot?		5 In what year did this ..... begin operation or practice?  NEXT ITEM  YEAR
			HOURS	MINS.	
a. Hospital?					
b. Clinic?					
c. Pharmacy?					
d. Communal clinic?					
e. Doctor?					
f. Physician's assistant?					
g. Nurse?					
h. Pharmacist?					
i. Traditional midwife?					
j. Trained midwife?					
k. Traditional healer?					
l. Other? ( SPECIFY _____ )					

6. Are there any other health services or personnel in this community that I did not cite ?

YES ..... 1 >> SPECIFY: \_\_\_\_\_  
NO ..... 2

7. What are the major health problems in this community ?

LIST IN ORDER OF IMPORTANCE

- MALARIA.....1
- COMPLICATION FROM CHILD BIRTH....2
- CHILD MALNUTRITION.....3
- ADULT MALNUTRITION.....4
- INJURIES/ACCIDENTS.....5
- CHILDHOOD DISEASES(MEASLES,SMALLPOX,  
CHICKEN POX,...).....6
- DYSENTERY.....7
- RESPIRATORY DISEASES ( TUBER-  
CULOSIS,...).....8
- OTHER.....9

FIRST:

SECOND:

THIRD:

8. What are the major problem with the health service for the people in this community ?

- LACK OF FACILITIES .....1
- NOT ENOUGH MEDICINE.....2
- POOR QUALITY OF SERVICE  
AND DOCTOR.....3
- WEAKNESS IN MANAGMENT.....4
- HEALTH SERVICES ARE TOO  
EXPENSIVE.....5
- LONG DISTANCE TO BETTER  
QUALITY CARE.....6
- UNSANITARY HEALTH FACILITIES.....7
- OTHER .....8

FIRST:

SECOND:

THIRD:

9. Where do most of the women in this community give birth?

- THEIR HOME . . . . . 1
- HOSPITAL,COMMUNAL CLINIC . . . . . 2
- OTHER . . . . . 3
- (SPECIFY: \_\_\_\_\_ )

10. Has there been an immunisation campaign in this community within the last 12 months ?

YES. . . . . 1 ( >> 12 )  
NO . . . . . 2

11. Has there been an immunisation campaign in this community within the last five years ?

YES. . . . . 1  
NO . . . . . 2

12. Has there been an anti-malaria campaign in this community within the last 12 months ?

YES. . . . . 1 ( >> 14 )  
NO . . . . . 2

13. Has there been an anti-malaria or hemorrhagic fever campaign in this community within the last five years ?

YES. . . . . 1  
NO . . . . . 2

14. Has there been any campaign to educate mothers about health practices in this community within the last 12 months ?

YES. . . . . 1 (>>SECTION 5)  
NO . . . . . 2

15. Has there been any campaign to educate mothers about health practices in this community within the last five years ?

YES. . . . . 1  
NO . . . . . 2

SECTION 5: AGRICULTURE

<p>1 What are the major crops grown by the people of this community?  LIST IN ORDER OF IMPORTANCE</p>		<p>2 How many times per year is .....  ..... planted in general?  ONCE...1 TWICE..2 THREE AND OVER...3 PERENNIAL CROP...4</p>	<p>3 [ . . . . ] During which month(s) is it planted? During which month(s) is it harvested?  (FOR PERENNIAL CROPS ASK HARVEST ONLY)  JAN.....1 JUL.....7 FEB.....2 AUG.....8 MAR.....3 SEP.....9 APR.....4 OCT..... 10 MAY.....5 NOV..... 11 JUN.....6 DEC..... 12</p>						<p>4 How is the harvest of ..... ..... generally sold? Is it...  AT THE LOCAL MARKET.....1 AT THE MARKET OF ANOTHER PLACE.....2 TO GOVERNMENT...3 TO COOP.....4 TO PRIVATE .....5 NOT SOLD .....6 OTHER .....7 (SPECIFY _____)</p>		
CROPS			PLAN #1	HARV #1	PLAN #2	HARV #2	PLAN #3	HARV #3	FIR.	SEC.	THIRD
a.											
b.											
c.											
d.											
e.											
f.											
g.											
h.											
i.											

5  
What is the proportion of auctioned land, allocated land, private land or land of long-term use in the land fund of this commune?  
SB+SC+SD+SE+SF=100% OR SC+SD+SE+SF=100%

A. Is there ... [ ] ... in the land fund of the commune? PUT A CROSS IN THE APPROPRIATE BOX ASK QUESTION A FOR ALL KIND OF LAND BEFORE GOING TO Q.B, C, D, E, F		B What is proportion of allocated land of... [ ] ...? PERCENT		C What is proportion of auctioned land of... [ ] ...? PERCENT		D What is proportion of private land of... [ ] ...? PERCENT		E What is proportion of land for long term use of... [ ] ...? PERCENT		F What is proportion of other land of... [ ] ...? PERCENT	
Annual crop land ?	YES->>	01									
	<<-NO										
Perennial crop land ?	YES->>	02									
	<<-NO										
Water surface ?	YES->>	03									
	<<-NO										
Forest land ?	YES->>	04									
	<<-NO										
Other ?	YES->>	05									
	<<-NO										

6  
What is the proportion of cultivated land in land fund of this commune?

A. Is there any ... [ ] ... land in land fund of commune? PUT A CROSS IN THE APPROPRIATE BOX ASK QUESTION A FOR ALL KIND OF LAND BEFORE GOING TO Q.B		B What is proportion of... [ ] ... of commune? PERCENT	
Annual crop land	Rice ?	YES->>	01
		<<-NO	
	Other staples?	YES->>	02
		<<-NO	
	Other food crops?	YES->>	03
	<<-NO		
Other land	Annual industrial crops ?	YES->>	04
		<<-NO	
	Other annual crops ?	YES->>	05
		<<-NO	
	Industrial tree crops ?	YES->>	06
	<<-NO		
land	Fruit tree ?	YES->>	07
		<<-NO	
	Forest tree ?	YES->>	08
		<<-NO	
Other tree?	YES->>	09	
	<<-NO		

7  
 What is the proportion of each type of quality of land in the land fund of this commune?

A. Is there any ... quality land in land fund of this commune?  
 PUT A CROSS IN THE APPROPRIATE BOX  
 ASK QUESTION A FOR ALL TYPE OF QUALITY OF LAND BEFORE GOING TO QUESTION B

X  
 ↓  
  
 V

B  
 What is the proportion of ... quality in land fund of this commune?  
 PERCENT

Categorie 1 ?	YES->>	01
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>
Categorie 2 ?	YES->>	02
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>
Categorie 3 ?	YES->>	03
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>
Categorie 4 ?	YES->>	04
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>
Categorie 5 ?	YES->>	05
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>
Categorie 6 ?	YES->>	06
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>
Categorie 7 ?	YES->>	07
	<<-NO	<del>XXXXXXXXXXXXXXXXXXXX</del>

8  
 What is proportion of production given to the Cooperative, Government... in total production harvested in the last 12 months ?

A What plant? PLANT CODE	B Proportion of production for allocated land? PERCENT	C Proportion of production for auctioned land? PERCENT	D Proportion of production for agricultural tax? PERCENT
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			

9. On allocated land, for what kind of item do people have to pay the Cooperative?

PUT A CROSS IN THE APPROPRIATE BOXES

- |   |                          |
|---|--------------------------|
| A. PROPORTION OF PRODUCTION FROM ALLOCATED LAND | <input type="checkbox"/> |
| B. LAND PREPARATION                             | <input type="checkbox"/> |
| C. FERTILIZER                                   | <input type="checkbox"/> |
| D. SEED   | <input type="checkbox"/> |
| E. IRRIGATION                                   | <input type="checkbox"/> |
| F. PLANT PROTECTION                             | <input type="checkbox"/> |
| G. MANAGEMENT FEE                               | <input type="checkbox"/> |
| H. FUND   | <input type="checkbox"/> |
| I. OTHER  | <input type="checkbox"/> |

10. During the past 12 months, how many working days has one agricultural labour had to contribute to the Government? For example: obligation work, public welfare work.

IF NOTHING WRITE ZERO

DAYS :



11. Is there an agricultural extension center in this community ?  
(nursery, irrigation, plant protection, materials,...)   
YES. . . . . 1 (>>13)  
NO . . . . . 2

12. How far away is there an agricultural extension center ?  
KILOMETERS:

13. Has an agricultural extension agent visited the farmers of  
this community in the last 12 months ?  
YES. . . . . 1   
NO . . . . . 2 (>>15)

14. What services does the agent provides ?

MONEY.....1	FIRST: <input type="checkbox"/>
ANIMAL BREED.....2	
ANIMAL FOOD .....3	SECOND: <input type="checkbox"/>
VACINATION.....4	
MEDICINE.....5	THIRD: <input type="checkbox"/>
NEW SEED VARIETIES...6	
ADVICE ON CHEMICAL	
FERTILIZER.....7	
ADVICE ON PESTICIDES/ HERBICIDES.....8	
MARKETING ADVICE.....9	
OTHER.....10	

15. Is there an agricultural cooperative in this community ?  
YES. . . . . 1   
NO . . . . . 2

16. How many large tractors over 12 hp are there in this community ?  
Including private and cooperative ownership .  
NUMBER:

17. How many small tractors 12 hp and under are in this community ?  
Including private and cooperative ownership.  
NUMBER:

18. Is there a rice-husking machine in this community ?

YES . . . . . 1  
NO . . . . . 2

19. Do most of the farmers in this community use chemical fertilizer ?

YES . . . . . 1  
NO . . . . . 2

20. Are there any sharecroppers or renters in this community ?

YES . . . . . 1  
NO . . . . . 2

21. About how many households are sharecroppers or renters ?

MOST FARMERS . . . . . 1  
HALF . . . . . 2  
LESS THAN HALF . . . . . 3  
ONLY A FEW PEOPLE . . . . . 4

22. How much money does an agricultural labourer earn for a day's work ?

IF CAN'T CALCULATE IT THEN ASK FOR THE VALUE OF ON AVERAGE DAY OF HIRED LABOR

(THOUSAND DONGS PER DAY)

	PREPARATION	PLANTING TRANSPLANT	CARING FOR CROPS	HARVESTING
MAN				
WOMAN				
CHILD				

23. Is unskilled non-agricultural employment available in this community for some months of the year ?

YES . . . . . 1  
NO . . . . . 2 (>> 25)

24. How much money does an unskilled non-agricultural laborer earn for one day's work ?  
IF CAN'T CALCULATE THEN ASK FOR THE VALUE OF ONE DAY OF WORK IF HIRED OUT

THOUSAND DONGS

MAN:

WOMAN:

CHILD:

25. Is there a system of mutual aid among the farmers of this community for field work ?

YES . . . . . 1  
NO . . . . . 2

26. What are the main problems faced by the farmers in this community ?

- TRANSPORTATION/ACCESS TO MARKETS . . . . . 1
- AVAILABILITY OF INPUTS . . . . . 2
- DROUGHT/ FLOOD . . . . . 3
- INSECTS/ RODENTS . . . . . 4
- LACK OF KNOWLEDGE OF MODERN TECHNOLOGY . . . . . 5
- OTHER (SPECIFY) . . . . . 6

FIRST:

SECOND:

THIRD:

27. Were there any disasters in the past 12 months ?

YES . . . . . 1  
NO . . . . . 2

28. How many major disasters were there during the last 5 years ? (for example: storm, flood, drought, pest..)

TIMES:

DICTIONARY OF COMMUNE QUESTIONNAIRE VLSS92-93

PRICE

scr1.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. name	str30	%30s
4. antro	int	%8.0g
5. super	int	%8.0g
6. date1	float	%9.0g
7. date2	float	%9.0g
8. date3	float	%9.0g

scr2.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. order	int	%8.0g
4. observ	str30	%30s
5. price1	float	%9.0g
6. price2	float	%9.0g
7. price3	float	%9.0g

scr3.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. order	int	%8.0g
4. observ	str30	%30s
5. price1	float	%9.0g
6. price2	float	%9.0g
7. price3	float	%9.0g

scr4.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. order	int	%8.0g
4. observ	str30	%30s
5. price1	float	%9.0g
6. price2	float	%9.0g
7. price3	float	%9.0g

scr5.dta

1. section	int	%8.0g
2. cum	int	%8.0g

3. order	int	%8.0g
4. observ	str30	%30s
5. price1	float	%9.0g
6. price2	float	%9.0g
7. price3	float	%9.0g

scr6.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. order	int	%8.0g
4. price1	float	%9.0g
5. price2	float	%9.0g
6. price3	float	%9.0g

**COMMUNITY**

scr01.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. name	str30	%30s
4. date	int	%8.0g
5. sup	int	%8.0g
6. tim1	int	%8.0g
7. tim2	int	%8.0g
8. tim3	int	%8.0g
9. tim4	int	%8.0g

scr02.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. order	str30	%30s
4. titl	str30	%30s
5. prof	str30	%30s

scr03.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. slq01	int	%8.0g
4. slq02	int	%8.0g
5. slq03d	int	%8.0g
6. slq03m	int	%8.0g
7. slq03y	int	%8.0g
8. slq04	int	%8.0g
9. slq051	int	%8.0g

10. slq052	int	%8.0g
11. slq053	int	%8.0g
12. slq054	int	%8.0g
13. slq061	int	%8.0g
14. slq062	int	%8.0g
15. slq063	int	%8.0g
16. slq07	int	%8.0g

scr04.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. slq011	int	%8.0g
4. slq012	int	%8.0g
5. slq013	int	%8.0g
6. slq02	int	%8.0g
7. slq031	int	%8.0g
8. slq032	int	%8.0g
9. slq033	int	%8.0g
10. slq034	int	%8.0g
11. slq04	int	%8.0g
12. slq05	int	%8.0g
13. slq06	int	%8.0g
14. slq07	int	%8.0g
15. slq08	int	%8.0g
16. slq09	int	%8.0g
17. slq10	int	%8.0g
18. slq11	int	%8.0g
19. slq12	int	%8.0g
20. slq13	int	%8.0g

scr05.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s2q14	int	%8.0g
4. s2q15	int	%8.0g
5. s2q16	float	%9.0g
6. s2q17	int	%8.0g
7. s2q18n	int	%8.0g
8. s2q18p	float	%9.0g
9. s2q19n	int	%8.0g
10. s2q19p	float	%9.0g
11. s2q20	int	%8.0g
12. s2q21	int	%8.0g
13. s2q22t	int	%8.0g

14.	s2q22u	int	%8.0g
15.	s2q23	int	%8.0g
16.	s2q24	int	%8.0g
17.	s2q25	int	%8.0g
18.	s2q26t	int	%8.0g
19.	s2q26u	int	%8.0g
20.	s2q27	int	%8.0g
21.	s2q28	int	%8.0g
22.	s2q29	int	%8.0g
23.	s2q30	int	%8.0g

scr06.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	s2q31t	int	%8.0g
4.	s2q31u	int	%8.0g
5.	s2q32a	int	%8.0g
6.	s2q32s	int	%8.0g
7.	s2q33	int	%8.0g
8.	s2q34	int	%8.0g
9.	s2q35	int	%8.0g
10.	s2q36t	int	%8.0g
11.	s2q36u	int	%8.0g
12.	s2q37a	int	%8.0g
13.	s2q37s	int	%8.0g

scr07.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	s2q38a	str30	%30s
4.	s2q38b	str30	%30s
5.	s2q38c	str30	%30s
6.	s2q39	int	%8.0g
7.	s2q40	int	%8.0g
8.	s2q41a	str30	%30s
9.	s2q41b	str30	%30s
10.	s2q41c	str30	%30s
11.	s2q42h	int	%8.0g
12.	s2q42p	int	%8.0g

scr08.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	s3q01	int	%8.0g

4. s3q02	int	%8.0g
5. s3q03	int	%8.0g
6. s3q04h	int	%8.0g
7. s3q04m	int	%8.0g

scr09.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. num	int	%8.0g
4. s3q05	str30	%30s
5. s3q06	int	%8.0g
6. s3q07	int	%8.0g
7. s3q08	int	%8.0g
8. s3q09	int	%8.0g
9. s3q10	int	%8.0g
10. s3q11	int	%8.0g
11. s3q12	int	%8.0g

scr10.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s3q131	float	%9.0g
4. s3q132	float	%9.0g
5. s3q14	int	%8.0g
6. s3q15	int	%8.0g
7. s3q161	int	%8.0g
8. s3q162	int	%8.0g
9. s3q171	int	%8.0g
10. s3q172	int	%8.0g
11. s3q181	int	%8.0g
12. s3q182	int	%8.0g
13. s3q183	int	%8.0g
14. s3q191	int	%8.0g
15. s3q192	int	%8.0g
16. s3q193	int	%8.0g

scr11.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s3q20	int	%8.0g
4. s3q21	float	%9.0g
5. s3q22	int	%8.0g
6. s4q23h	int	%8.0g
7. s4q23m	int	%8.0g



8. name	str30	%30s
9. loca	str30	%30s
10. s3q24	int	%8.0g
11. s3q25	int	%8.0g
12. s3q26	int	%8.0g
13. s3q27	float	%9.0g
14. s3q28	float	%9.0g
15. s3q29	int	%8.0g
16. s3q301	int	%8.0g
17. s3q302	int	%8.0g
18. s3q311	int	%8.0g
19. s3q312	int	%8.0g
20. s3q321	int	%8.0g
21. s3q322	int	%8.0g
22. s3q323	int	%8.0g
23. s3q331	int	%8.0g
24. s3q332	int	%8.0g
25. s3q333	int	%8.0g

scr12.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s3q34	int	%8.0g
4. s3q35	float	%9.0g
5. s3q36	int	%8.0g
6. s4q37h	int	%8.0g
7. s4q37m	int	%8.0g
8. name	str30	%30s
9. loca	str30	%30s
10. s3q38	int	%8.0g
11. s3q39	int	%8.0g
12. s3q40	float	%9.0g
13. s3q41	int	%8.0g
14. s3q42	int	%8.0g
15. s3q431	int	%8.0g
16. s3q432	int	%8.0g
17. s3q441	int	%8.0g
18. s3q442	int	%8.0g
19. s3q451	int	%8.0g
20. s3q452	int	%8.0g
21. s3q453	int	%8.0g

scr13.dta

1. section	int	%8.0g
------------	-----	-------

2. cum	int	%8.0g
3. s3q46	int	%8.0g
4. s3q47	int	%8.0g
5. s3q48	int	%8.0g
6. s3q49	int	%8.0g
7. s3q50t	int	%8.0g
8. s3q50m	int	%8.0g
9. s3q50w	int	%8.0g

scr14.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. item	str1	%9s
4. s4q01	int	%8.0g
5. s4q02	float	%9.0g
6. s4q03	str30	%30s
7. s4q04h	int	%8.0g
8. s4q04m	int	%8.0g
9. s4q05	int	%8.0g

scr15.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s4q006	int	%8.0g
4. spec	str30	%30s
5. s4q071	int	%8.0g
6. s4q072	int	%8.0g
7. s4q073	int	%8.0g
8. s4q081	int	%8.0g
9. s4q082	int	%8.0g
10. s4q083	int	%8.0g
11. s4q09	int	%8.0g
12. s4q10	int	%8.0g
13. s4q11	int	%8.0g
14. s4q12	int	%8.0g
15. s4q13	int	%8.0g
16. s4q14	int	%8.0g
17. s4q15	int	%8.0g

scr16.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. crop	int	%8.0g
4. s5q02	int	%8.0g

5.	s5q031	int	%8.0g
6.	s5q032	int	%8.0g
7.	s5q033	int	%8.0g
8.	s5q034	int	%8.0g
9.	s5q035	int	%8.0g
10.	s5q036	int	%8.0g
11.	s5q041	int	%8.0g
12.	s5q042	int	%8.0g
13.	s5q043	int	%8.0g

scr17.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	s5q05a	int	%8.0g
4.	s5q05b	float	%9.0g
5.	s5q05c	float	%9.0g
6.	s5q05d	float	%9.0g
7.	s5q05e	float	%9.0g
8.	s5q05f	float	%9.0g

scr18.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	s5q06a	int	%8.0g
4.	s5q076	float	%9.0g

scr19.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	s5q07a	int	%8.0g
4.	s5q07b	float	%9.0g

scr20.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g
3.	ln	int	%8.0g
4.	s5q08a	int	%8.0g
5.	s5q08b	float	%9.0g
6.	s5q08c	float	%9.0g
7.	s5q08d	float	%9.0g

scr21.dta

1.	section	int	%8.0g
2.	cum	int	%8.0g

3. s5q09a	str1	%9s
4. s5q09b	str1	%9s
5. s5q09c	str1	%9s
6. s5q09d	str1	%9s
7. s5q09e	str1	%9s
8. s5q09f	str1	%9s
9. s5q09g	str1	%9s
10. s5q09h	str1	%9s
11. s5q09i	str1	%9s
12. s5q10	int	%8.0g

scr22.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s5q11	int	%8.0g
4. s5q12	float	%9.0g
5. s5q13	int	%8.0g
6. s5q141	int	%8.0g
7. s5q142	int	%8.0g
8. s5q143	int	%8.0g
9. s5q15	int	%8.0g
10. s5q16	int	%8.0g
11. s5q17	int	%8.0g
12. s5q18	int	%8.0g
13. s5q19	int	%8.0g
14. s5q20	int	%8.0g
15. s5q21	int	%8.0g
16. s5q22m1	int	%8.0g
17. s5q22m2	int	%8.0g
18. s5q22m3	int	%8.0g
19. s5q22m4	int	%8.0g
20. s5q22w1	int	%8.0g
21. s5q22w2	int	%8.0g
22. s5q22w3	int	%8.0g
23. s5q22w4	int	%8.0g
24. s5q22c1	int	%8.0g
25. s5q22c2	int	%8.0g
26. s5q22c3	int	%8.0g
27. s5q22c4	int	%8.0g

scr23.dta

1. section	int	%8.0g
2. cum	int	%8.0g
3. s5q23	int	%8.0g

4. s5q23m	int	%8.0g
5. s5q23w	int	%8.0g
6. s5q23c	int	%8.0g
7. s5q25	int	%8.0g
8. s5q261	int	%8.0g
9. s5q262	int	%8.0g
10. s5q263	int	%8.0g
11. s5q27	int	%8.0g
12. s5q28	int	%8.0g

## **Appendice 3**

### **Exploration des Données avec l'Analyse de Correspondance Multiple**

VLSS-1 Communes Data Exploration  
39 variables 111 categories

## Homals

Credit

HOMALS  
Version 1.0  
by  
Data Theory Scaling System Group (DTSS)  
Faculty of Social and Behavioral Sciences  
Leiden University, The Netherlands

### Case Processing Summary

Cases Used in Analysis	120
------------------------	-----

## Marginal Frequencies

C-Is there an agric coop in the community?

	Marginal Frequency
AgricY	77
AgricN	43
Missing	0

C-Where most of women give birth?

	Marginal Frequency
home	35
hos,cli	80
other	5
Missing	0

C-Clinic in community

	Marginal Frequency
clinYes	37
clinNO	83
Missing	0

**VLSS-1 Communes Data Exploration  
39 variables 111 categories**

**C-Doctor in community**

	Marginal Frequency
Doctor-Y	50
Doctor-N	70
Missing	0

**C-Distance kms to hospital**

	Marginal Frequency
d<=3k	23
d3-10k	49
d>10k	47
Missing	1

**C-Do hlds have electricity?**

	Marginal Frequency
C-None	15
C-A few	50
C-Most	55
Missing	0

**C-large enterprise < 10 kms**

	Marginal Frequency
entYES	55
entNO	65
Missing	0

**C-Is there an agric ext center in the community?**

	Marginal Frequency
ExtY	31
ExtN	89
Missing	0

**C-food shop**

	Marginal Frequency
foodsYES	52
foodsNO	68
Missing	0



**VLSS-1 Communes Data Exploration  
39 variables 111 categories**

**C-Proportion of land quality 1**

	Marginal Frequency
Land1=0	57
Land1<25	41
Land1>25	22
Missing	0

**C-Proportion of land quality 2**

	Marginal Frequency
Land2=0	40
land2<25	55
Land2>25	25
Missing	0

**C-Proportion of land quality 3**

	Marginal Frequency
Land3=0	28
land3<25	61
Land3>25	31
Missing	0

**C-Proportion of land quality 4**

	Marginal Frequency
Land4=0	23
land4<25	72
Land4>25	25
Missing	0

**C-Proportion of land quality 5**

	Marginal Frequency
Land5=0	24
land5<25	70
Land5>25	26
Missing	0

**VLSS-1 Communes Data Exploration  
39 variables 111 categories**

**C-Proportion of land quality 6**

	Marginal Frequency
Land6=0	34
land6<25	69
Land6>25	17
Missing	0

**C-Proportion of land quality 7**

	Marginal Frequency
Land7=0	53
land7<25	51
Land7>25	16
Missing	0

**C-loud speaker**

	Marginal Frequency
speakYES	64
speakNO	56
Missing	0

**C-Fees at lower secondary school**

	Marginal Frequency
fLS<25	28
fLS25-50	48
fLS50+	43
Missing	1

**C-market**

	Marginal Frequency
no mark	40
periodic	16
daily	64
Missing	0

**VLSS-1 Communes Data Exploration  
39 variables 111 categories**

**C-First reason not attending prim sch**

	Marginal Frequency
too far	19
too exp	51
illness	21
parents	17
other	12
Missing	0

**C-First reason not attend sec school**

	Marginal Frequency
too far	10
too exp	62
not able	26
parents	11
other	11
Missing	0

**C-Pharmacist in community**

	Marginal Frequency
phcistY	65
phcistN	55
Missing	0

**C-Pharmacy in community**

	Marginal Frequency
Pharm-Y	85
Pharm-N	35
Missing	0

**C-post office**

	Marginal Frequency
postYES	41
postNO	79
Missing	0

**VLSS-1 Communes Data Exploration  
39 variables 111 categories**

**C-Study fees at grade 1-3 (000 dongs)**

	Marginal Frequency
fee<10	58
fee>=10	62
Missing	0

**C-Study fees at grade 4-5 (000 dongs)**

	Marginal Frequency
fee<10	54
fee>=10	66
Missing	0

**C-Primary enrolment rate**

	Marginal Frequency
primr80	22
primr90	15
prir100	83
Missing	0

**C-Major health service prob in commun.**

	Marginal Frequency
lackfaci	71
lackmedi	8
quality	15
sanitary	11
other	15
Missing	0

**C-Major health problem in community**

	Marginal Frequency
Malaria	31
malnutri	51
Respirat	24
other	14
Missing	0

**VLSS-1 Communes Data Exploration  
39 variables 111 categories**

**C-Major problem primary school-rec**

	Marginal Frequency
Poor mat	76
Living S	32
Budget	10
Quality	2
Missing	0

**C-Major problem lower second school**

	Marginal Frequency
poor mat	63
living s	35
other	18
Missing	4

**C-Distance public transportation**

	Marginal Frequency
pubt0k	62
pubt3k	15
pubt10k	28
pubt11k+	15
Missing	0

**C-Road passes by the community**

	Marginal Frequency
roadYES	103
rosdNO	17
Missing	0

**C-Enrol.rate at lower secondary school**

	Marginal Frequency
s<=35	31
s35-70	35
s>70	54
Missing	0

**VLSS-1 Communes Data Exploration  
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**C-Is there a lower secondary school?**

	Marginal Frequency
secs	106
nosecs	14
Missing	0

**C-Traditional healer in community**

	Marginal Frequency
tradheY	77
tradheN	43
Missing	0

**C-Traditional midwife in community**

	Marginal Frequency
tradmidY	87
tradmidN	33
Missing	0

**C-Trained midwife in community**

	Marginal Frequency
traimidY	101
traimidN	19
Missing	0

**C-Source of drinking water**

	Marginal Frequency
rain	4
drilled	2
dug well	79
river	30
other	5
Missing	0

## VLSS-1 Communes Data Exploration 39 variables 111 categories

### Iteration History

Iteration	Fit	Difference from the Previous Iteration
16 <sup>a</sup>	,308254	,000007

a. The iteration was terminated because convergence criteria are satisfied.

### Eigenvalues

Dimension	Eigenvalue
1	,186
2	,122

### Discrimination Measures

	Dimension	
	1	2
C-Is there an agric coop in the community?	,115	,375
C-Where most of women give birth?	,337	,111
C-Clinic in community	,005	,259
C-Doctor in community	,252	,133
C-Distance kms to hospital	,209	,177
C-Do hlds have electricity?	,514	,154
C-large enterprise < 10 kms	,254	,044
C-Is there an agric ext center in the community?	,206	,004
C-food shop	,132	,221
C-Proportion of land quality 1	,492	,121
C-Proportion of land quality 2	,371	,244
C-Proportion of land quality 3	,107	,178
C-Proportion of land quality 4	,016	,178
C-Proportion of land quality 5	,176	,175
C-Proportion of land quality 6	,167	,243
C-Proportion of land quality 7	,123	,096
C-loud speaker	,315	,095
C-Fees at lower secondary school	,081	,072

**VLSS-1 Communes Data Exploration**  
**39 variables 111 categories**

**Discrimination Measures**

	Dimension	
	1	2
C-market	,194	,171
C-First reason not attending prim sch	,388	,133
C-First reason not attend sec school	,289	,081
C-Pharmacist in community	,138	,019
C-Pharmacy in community	,262	,095
C-post office	,079	,193
C-Study fees at grade 1-3 (000 dong)	,021	,096
C-Study fees at grade 4-5 (000 dong)	,021	,079
C-Primary enrolment rate	,348	,136
C-Major health service prob in commun.	,070	,021
C-Major health problem in community	,299	,077
C-Major problem primary school-rec	,219	,138
C-Major problem lower second school	,278	,083
C-Distance public transportation	,175	,164
C-Road passes by the community	,106	,046
C-Enrol.rate at lower secondary school	,287	,072
C-Is there a lower secondary school?	,030	,002
C-Traditional healer in community	,018	,094
C-Traditional midwife in community	,069	,015
C-Trained midwife in community	,009	,001
C-Source of drinking water	,078	,178





**VLSS-1 Communes Data Exploration  
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**C-Clinic in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
clinYes	37	-,109	-,763
clinNO	83	,050	,340
Missing	0		

**C-Doctor in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Doctor-Y	50	-,593	-,432
Doctor-N	70	,426	,309
Missing	0		

**C-Distance kms to hospital**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
d<=3k	23	-,669	-,705
d3-10k	49	-,153	,438
d>10k	47	,539	-,091
Missing	1		

**C-Do hlds have electricity?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
C-None	15	1,007	,277
C-A few	50	,539	-,464
C-Most	55	-,761	,346
Missing	0		

**VLSS-1 Communes Data Exploration  
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**C-large enterprise < 10 kms**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
entYES	55	-,546	-,228
entNO	65	,465	,193
Missing	0		

**C-Is there an agric ext center in the community?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
ExtY	31	-,768	-,109
ExtN	89	,269	,038
Missing	0		

**C-food shop**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
foodsYES	52	-,414	-,537
foodsNO	68	,319	,411
Missing	0		

**C-Proportion of land quality 1**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land1=0	57	,683	-,261
Land1<25	41	-,346	,483
Land1>25	22	-1,117	-,224
Missing	0		

**VLSS-1 Communes Data Exploration  
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**C-Proportion of land quality 2**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land2=0	40	,783	-,632
land2<25	55	-,180	,490
Land2>25	25	-,852	-,067
Missing	0		

**C-Proportion of land quality 3**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land3=0	28	,593	-,757
land3<25	61	-,191	,277
Land3>25	31	-,154	,140
Missing	0		

**C-Proportion of land quality 4**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land4=0	23	,122	-,857
land4<25	72	-,101	,161
Land4>25	25	,184	,324
Missing	0		

**C-Proportion of land quality 5**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land5=0	24	-,638	-,570
land5<25	70	-,024	,351
Land5>25	26	,660	-,420
Missing	0		

**VLSS-1 Communes Data Exploration  
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**C-Proportion of land quality 6**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land6=0	34	-,600	-,487
land6<25	69	,149	,419
Land6>25	17	,604	-,726
Missing	0		

**C-Proportion of land quality 7**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land7=0	53	-,188	-,309
land7<25	51	-,079	,352
Land7>25	16	,884	-,100
Missing	0		

**C-loud speaker**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
speakYES	64	-,524	-,288
speakNO	56	,601	,330
Missing	0		

**C-Fees at lower secondary school**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
fLS<25	28	,296	,078
fLS25-50	48	,135	,263
fLS50+	43	-,384	-,347
Missing	1		

**VLSS-1 Communes Data Exploration  
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**C-market**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
no mark	40	,471	,462
periodic	16	,476	,390
daily	64	-,410	-,386
Missing	0		

**C-First reason not attending prim sch**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
too far	19	,919	-,310
too exp	51	,064	-,274
illness	21	-1,172	,291
parents	17	,285	,250
other	12	-,066	,791
Missing	0		

**C-First reason not attend sec school**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
too far	10	1,049	-,504
too exp	62	,254	-,172
not able	26	-,856	,384
parents	11	-,191	,251
other	11	-,156	,271
Missing	0		

**C-Pharmacist in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
phcistY	65	-,340	-,126
phcistN	55	,405	,149
Missing	0		

**VLSS-1 Communes Data Exploration  
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**C-Pharmacy in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Pharm-Y	85	-,327	-,197
Pharm-N	35	,798	,479
Missing	0		

**C-post office**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
postYES	41	-,390	-,610
postNO	79	,204	,317
Missing	0		

**C-Study fees at grade 1-3 (000 dong)**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
fee<10	58	,152	,321
fee>=10	62	-,140	-,300
Missing	0		

**C-Study fees at grade 4-5 (000 dong)**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
fee<10	54	,162	,310
fee>=10	66	-,130	-,254
Missing	0		

**VLSS-1 Communes Data Exploration  
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**C-Primary enrolment rate**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
primr80	22	1,132	-,590
primr90	15	,390	-,494
pri100	83	-,368	,246
Missing	0		

**C-Major health service prob in commun.**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
lackfaci	71	-,016	,053
lackmedi	8	,867	-,274
quality	15	-,014	-,183
sanitary	11	-,459	,294
other	15	-,024	-,140
Missing	0		

**C-Major health problem in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Malaria	31	,799	-,278
malnutri	51	-,385	,303
Respirat	24	-,479	-,301
other	14	,465	,026
Missing	0		

**C-Major problem primary school-rec**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Poor mat	76	,348	,176
Living S	32	-,553	-,558
Budget	10	-,582	,581
Quality	2	-1,401	-,667
Missing	0		



**VLSS-1 Communes Data Exploration  
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**C-Major problem lower second school**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
poor mat	63	,406	,056
living s	35	-,789	-,390
other	18	-,258	,498
Missing	4		

**C-Distance public transportation**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
pubt0k	62	-,246	-,304
pubt3k	15	-,428	,844
pubt10k	28	,303	-,029
pubt11k+	15	,892	,468
Missing	0		

**C-Road passes by the community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
roadYES	103	-,131	,087
rosdNO	17	,802	-,526
Missing	0		

**C-Enrol.rate at lower secondary school**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
s<=35	31	,836	-,274
s35-70	35	,017	-,212
s>70	54	-,488	,295
Missing	0		

**VLSS-1 Communes Data Exploration  
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**C-Is there a lower secondary school?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
secs	106	-,062	,018
nosecs	14	,478	-,133
Missing	0		

**C-Traditional healer in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
tradheY	77	-,100	-,229
tradheN	43	,183	,410
Missing	0		

**C-Traditional midwife in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
tradmidY	87	,163	-,075
tradmidN	33	-,424	,199
Missing	0		

**C-Trained midwife in community**

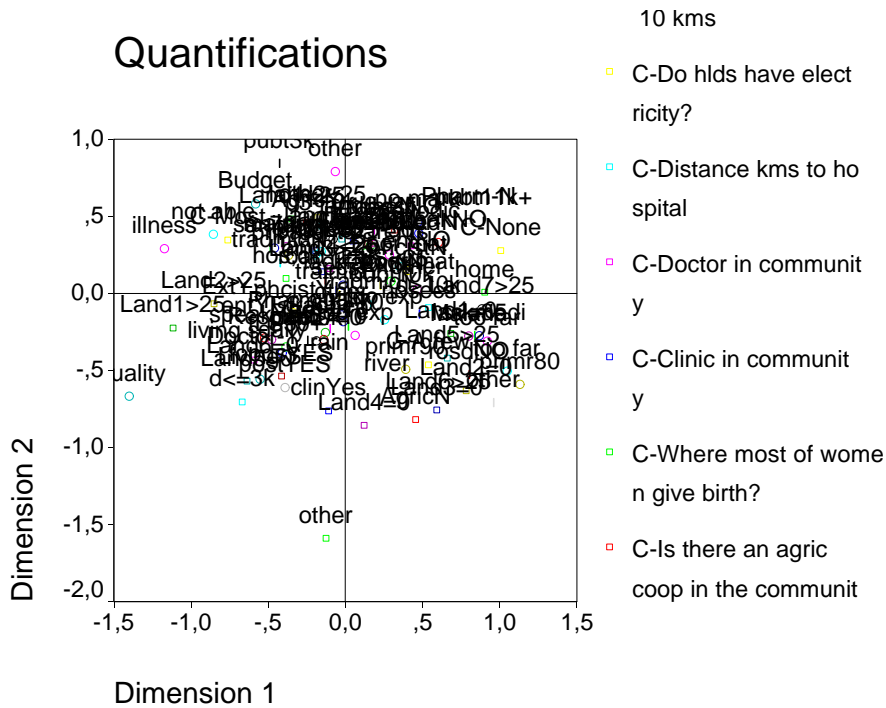
	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
traimidY	101	-,041	-,010
traimidN	19	,226	,052
Missing	0		

# VLSS-1 Communes Data Exploration 39 variables 111 categories

## C-Source of drinking water

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
rain	4	-,102	-,467
drilled	2	,414	,306
dug well	79	-,166	,291
river	30	,269	-,607
other	5	,959	-,710
Missing	0		

## Quantifications



## Object Scores

	Dimension	
	1	2
1	2,110	-,288
2	1,055	,824
3	,796	-2,063
4	1,037	,433
5	,930	,592
6	1,249	,832
7	1,548	,600
8	1,230	,244
9	-,245	-,046

**VLSS-1 Communes Data Exploration**  
**39 variables 111 categories**

**Object Scores**

	Dimension	
	1	2
10	-,103	1,598
11	1,182	,469
12	1,252	,116
13	1,033	-,133
14	,250	1,087
15	1,681	,061
16	-,553	-,355
17	-,896	,776
18	,166	-,108
19	-1,690	-,662
20	-1,305	,045
21	-1,350	-,955
22	-,702	,835
23	1,364	,889
24	,282	1,695
25	,319	1,344
26	-,162	1,489
27	-,167	1,905
28	,409	,867
29	-,405	,223
30	,353	,845
31	-,123	,728
32	-2,283	-,949
33	-1,398	-,299
34	-1,824	-,513
35	-1,204	1,270
36	-1,341	-,002
37	-1,460	-,430
38	-1,779	,098
39	-1,172	-,180
40	-1,598	,494
41	-,927	,897
42	-1,788	-,198
43	-1,499	-,346
44	-,997	,441
45	-,598	1,166
46	,019	1,402
47	-,822	1,003
48	-,774	,893
49	-,772	1,204
50	,686	,627
51	-1,579	-,196
52	-,906	1,241
53	-,759	,419
54	,790	1,496

**VLSS-1 Communes Data Exploration**  
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**Object Scores**

	Dimension	
	1	2
55	,090	1,567
56	,053	1,327
57	-1,310	-,285
58	-,265	1,770
59	-,233	,981
60	,112	1,159
61	-,112	,755
62	1,563	-,230
63	,175	1,569
64	,884	-,083
65	,548	,573
66	,319	,487
67	,939	1,336
68	-,418	,988
69	2,113	,679
70	-,234	,749
71	-1,696	-1,178
72	,549	,021
73	1,494	-1,053
74	-1,120	,388
75	1,963	,138
76	-,529	1,291
77	-,199	,849
78	-,282	,821
79	-,995	-,179
80	,281	-,388
81	-1,027	-1,068
82	-,938	,502
83	-,175	-,362
84	,980	,066
85	1,197	-,732
86	-,043	-2,081
87	,877	,731
88	,402	-,965
89	,083	-,348
90	,984	-1,411
91	-,909	-,770
92	1,184	-1,907
93	-1,109	-,960
94	,303	-,567
95	-,451	-,707
96	,934	-,811
97	,619	-1,794
98	-,745	-1,615
99	-,711	-1,257

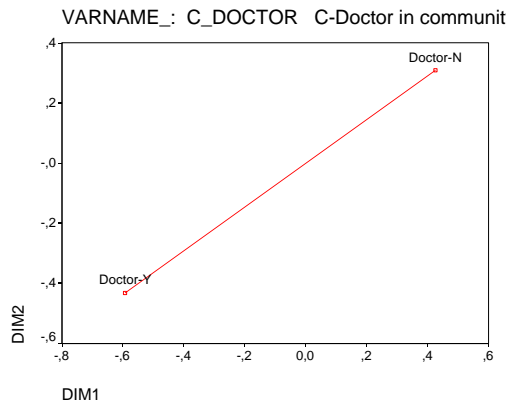
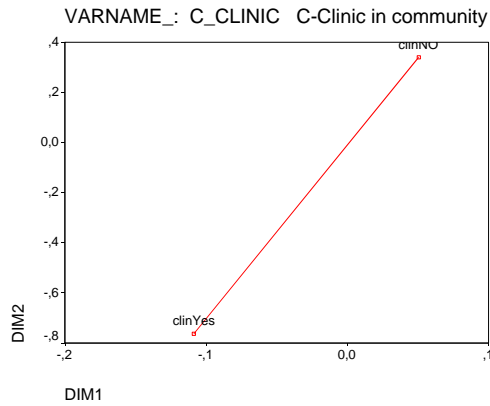
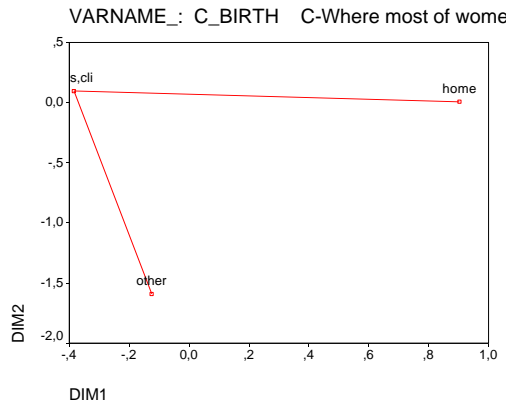
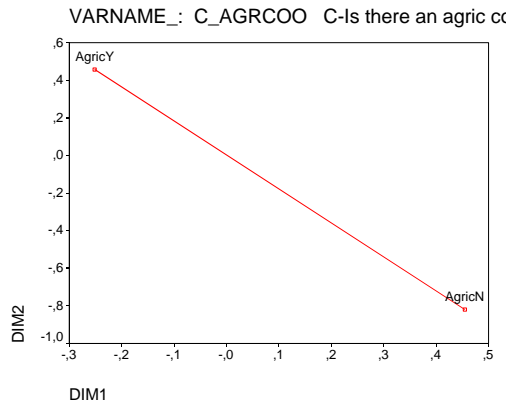
**VLSS-1 Communes Data Exploration**  
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**Object Scores**

	Dimension	
	1	2
100	-,419	-1,509
101	,306	-1,487
102	,042	-1,663
103	-,521	-,764
104	,059	-1,070
105	,421	-1,060
106	,815	-,857
107	-,227	-,730
108	,141	,584
109	-,905	-1,378
110	,345	-1,580
111	-,331	-1,882
112	1,445	,045
113	1,602	-,514
114	-,519	-,385
115	-,191	-2,209
116	,519	-1,659
117	1,427	-,553
118	1,338	-,686
119	1,397	-1,243
120	1,724	-,816

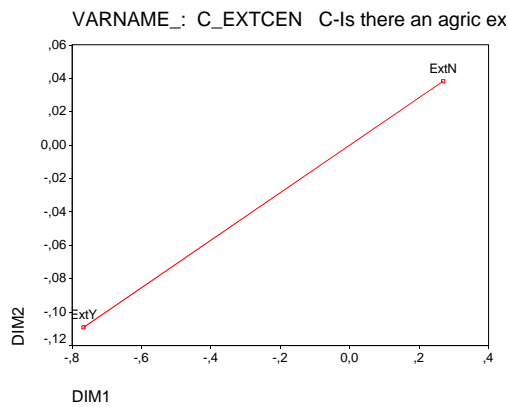
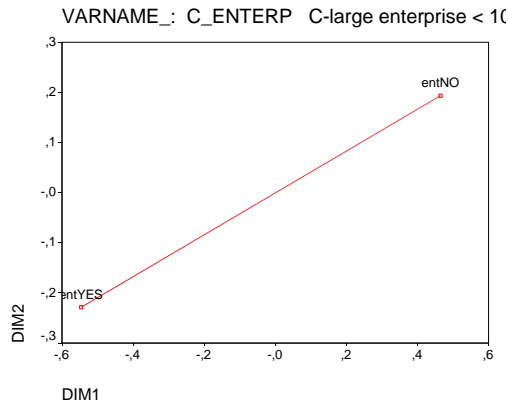
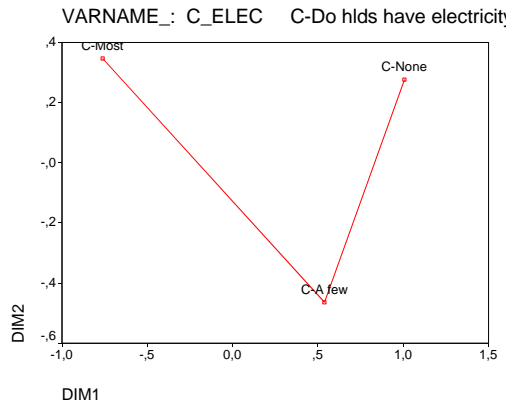
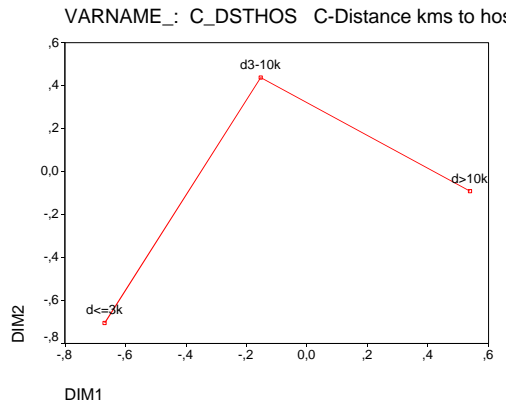
# VLSS-1 Communes Data Exploration

## 39 variables 111 categories



# VLSS-1 Communes Data Exploration

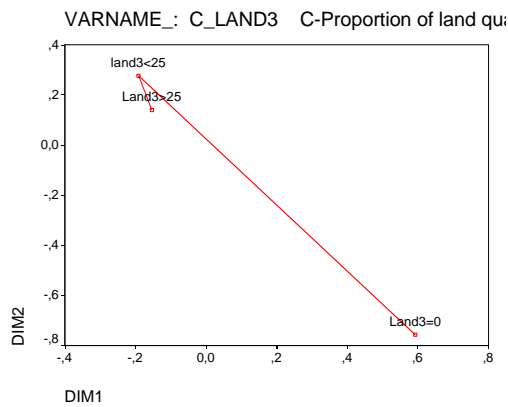
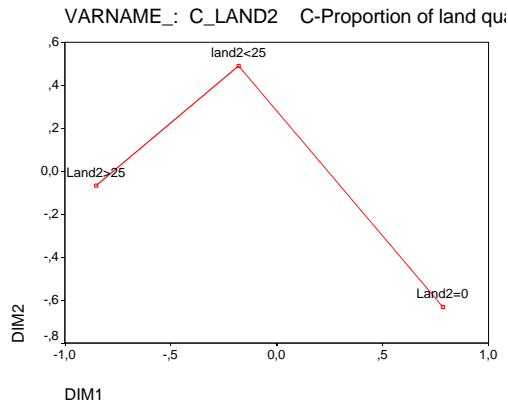
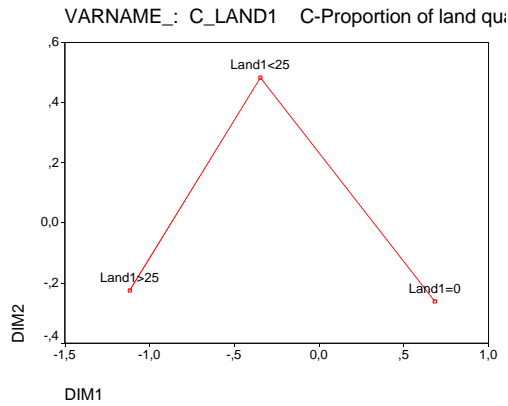
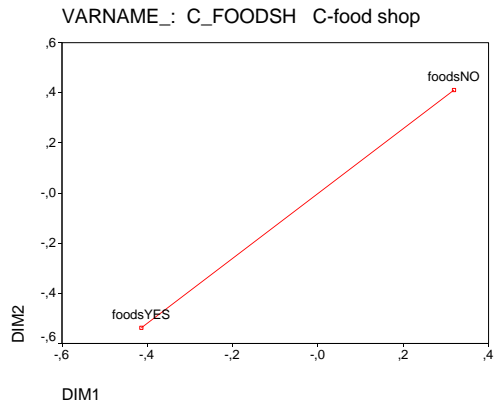
## 39 variables 111 categories





# VLSS-1 Communes Data Exploration

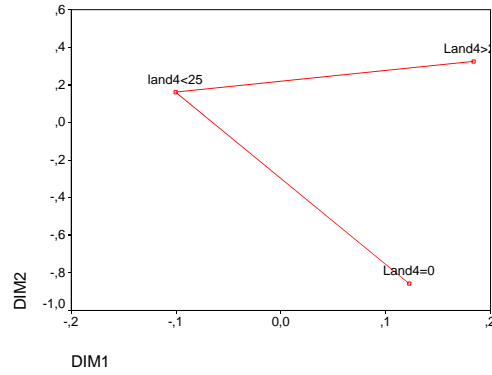
## 39 variables 111 categories



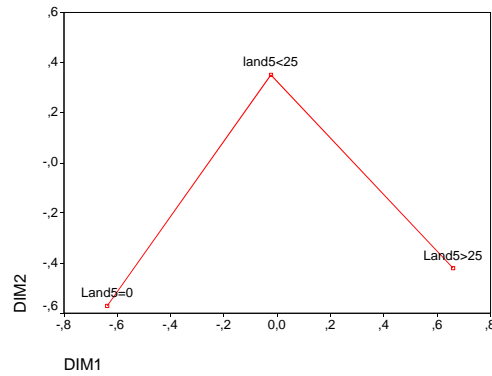
# VLSS-1 Communes Data Exploration

## 39 variables 111 categories

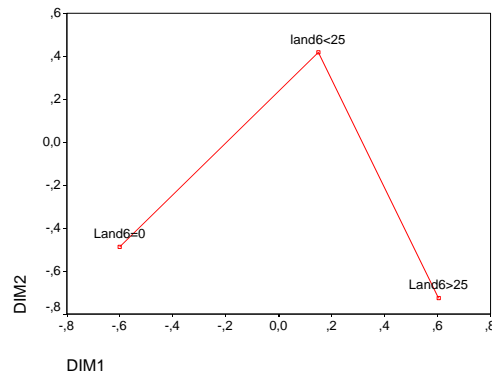
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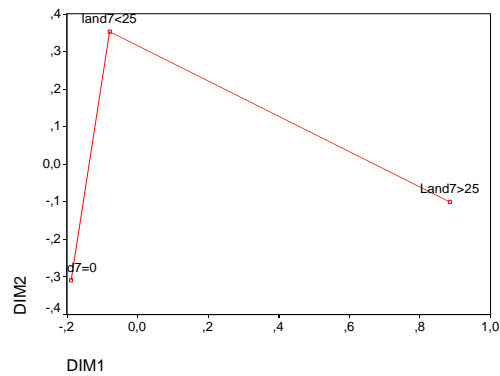
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VARNAME\_: C\_LAND6 C-Proportion of land qu

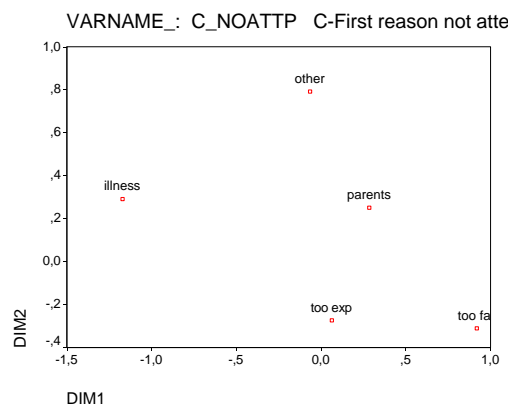
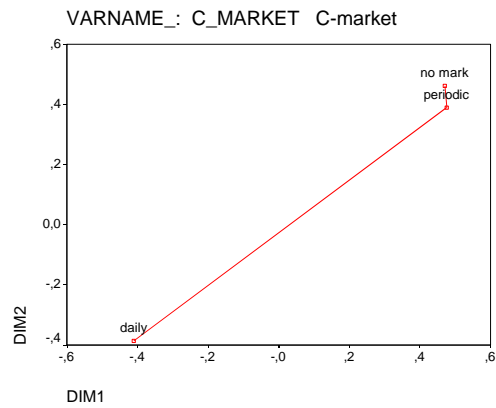
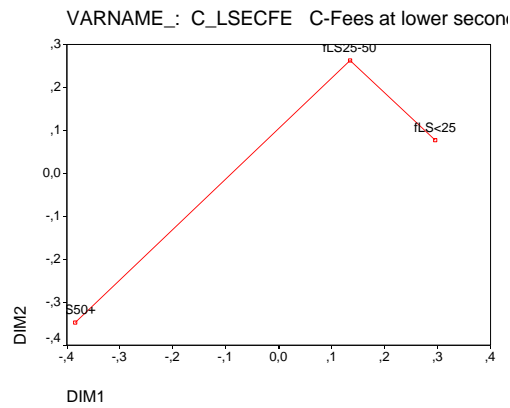
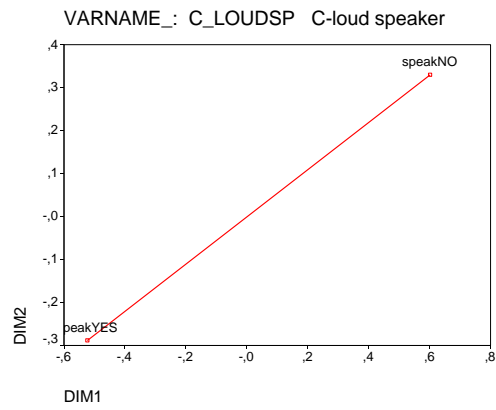


VARNAME\_: C\_LAND7 C-Proportion of land qu



# VLSS-1 Communes Data Exploration

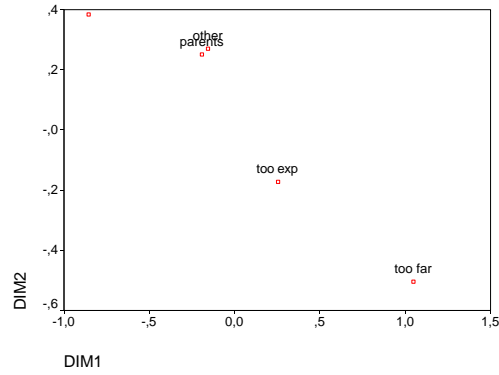
## 39 variables 111 categories



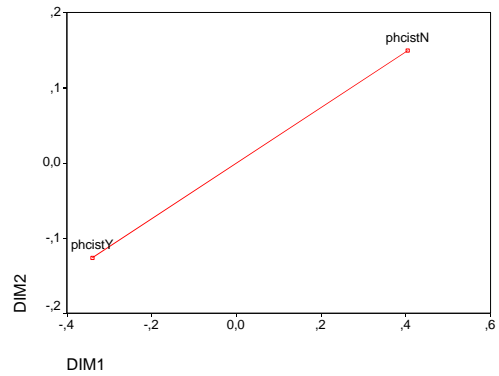
# VLSS-1 Communes Data Exploration

## 39 variables 111 categories

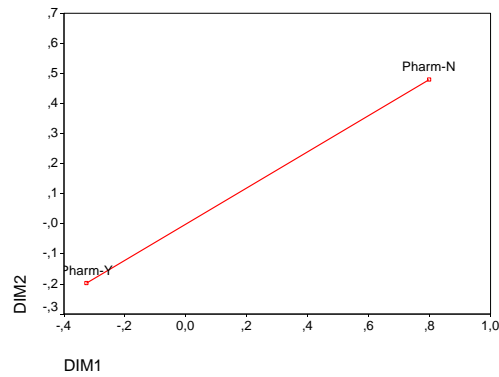
VARNAME\_: C\_NOATTS C-First reason not atte



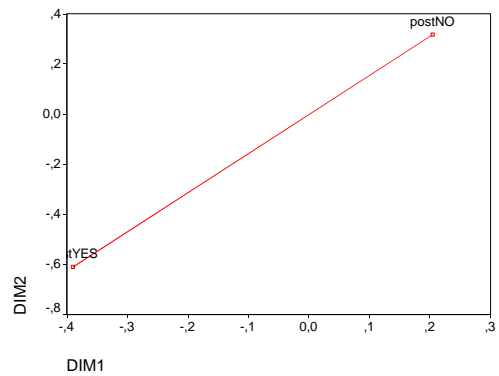
VARNAME\_: C\_PHAMAC C-Pharmacist in comr



VARNAME\_: C\_PHARM C-Pharmacy in commu



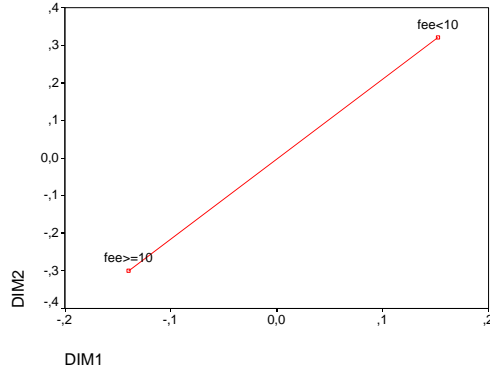
VARNAME\_: C\_POSTOF C-post office



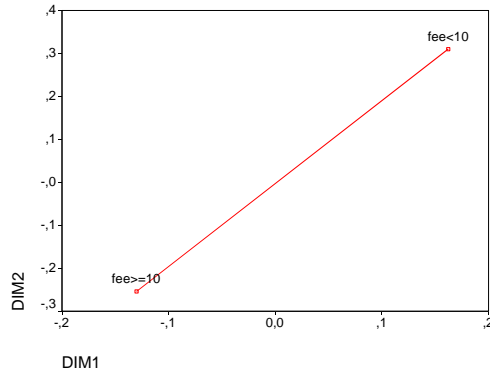
# VLSS-1 Communes Data Exploration

## 39 variables 111 categories

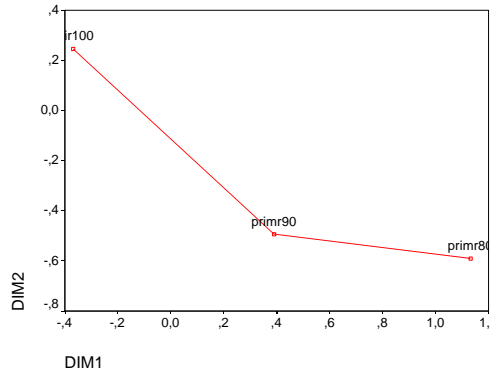
VARNAME\_: C\_PRIFEA C-Study fees at grade 1



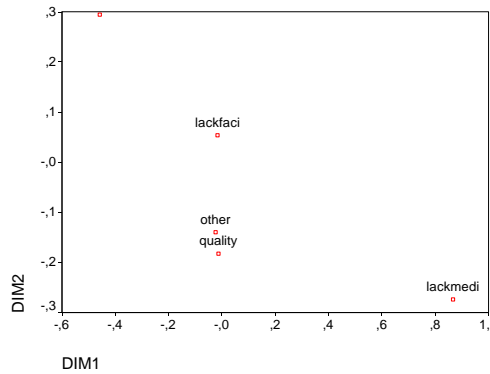
VARNAME\_: C\_PRIFEB C-Study fees at grade 4



VARNAME\_: C\_PRIRAT C-Primary enrolment ra

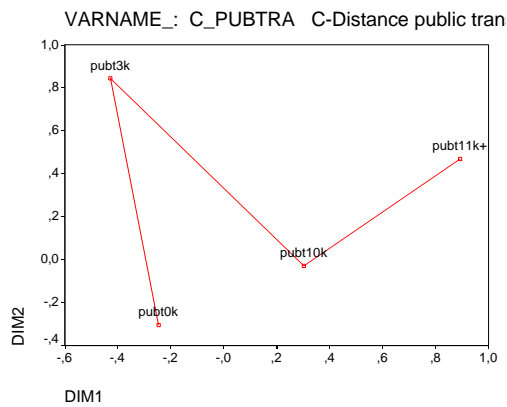
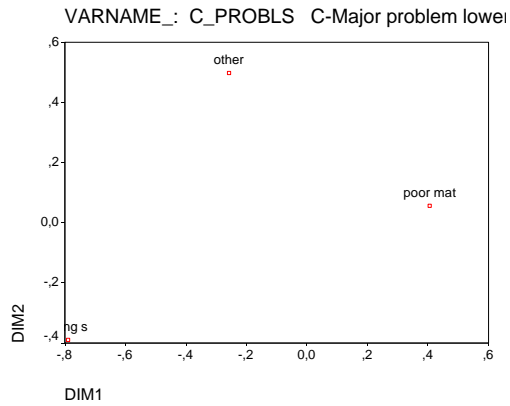
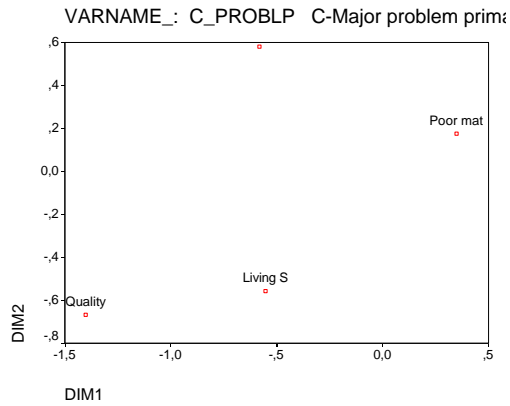
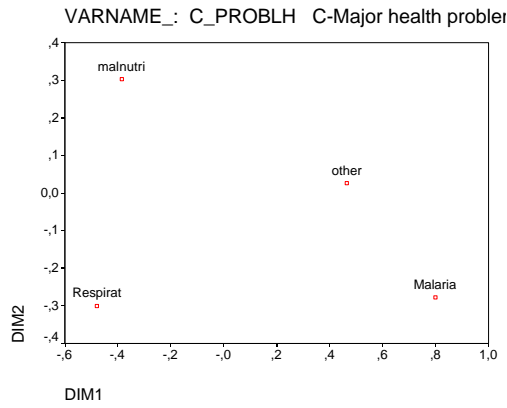


VARNAME\_: C\_PROBHS C-Major health service



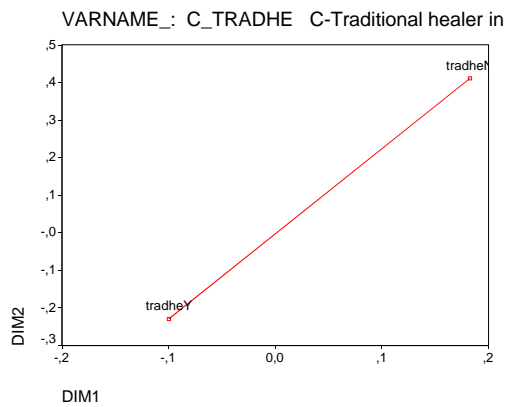
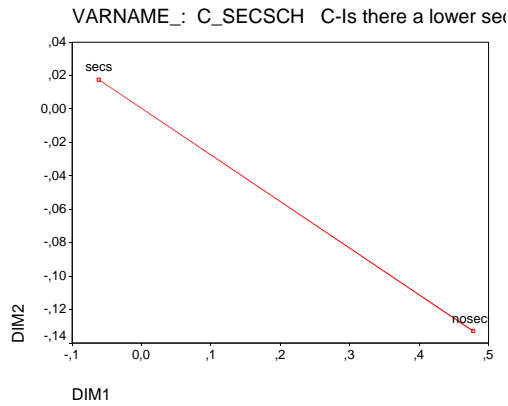
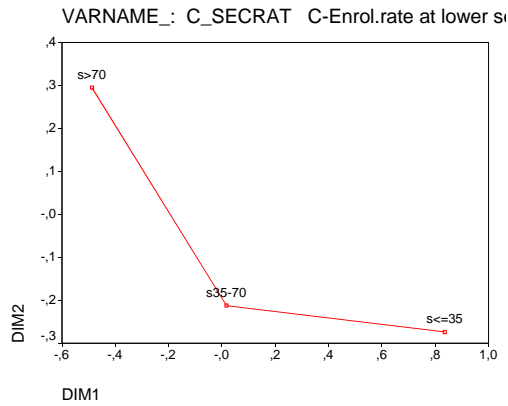
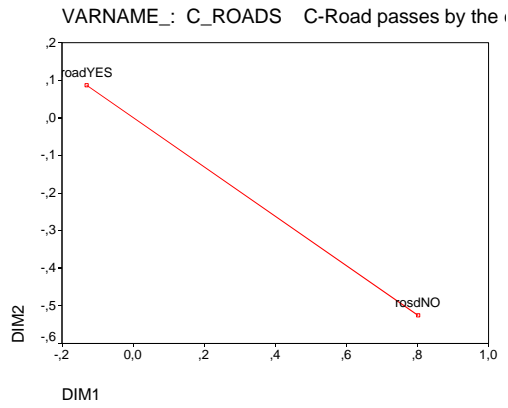
# VLSS-1 Communes Data Exploration

## 39 variables 111 categories



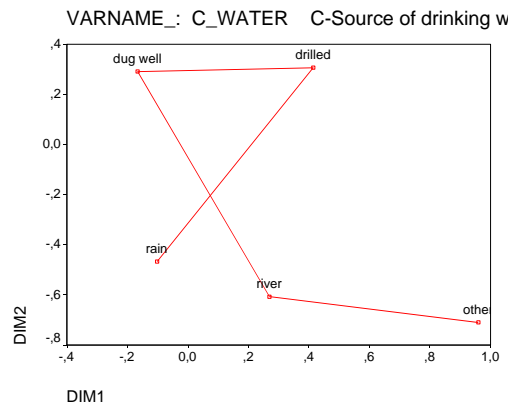
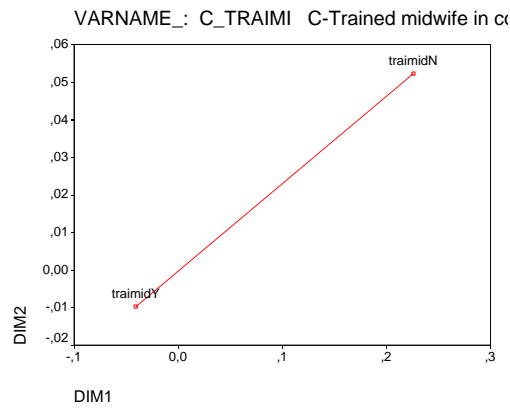
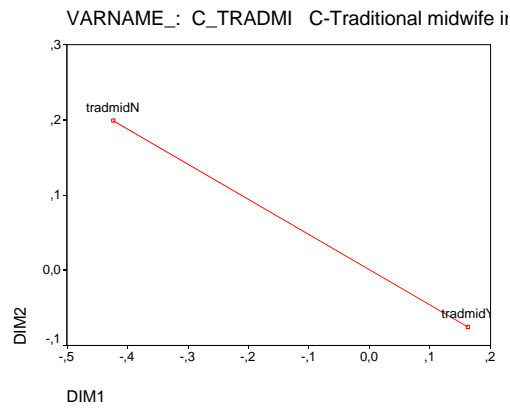
# VLSS-1 Communes Data Exploration

## 39 variables 111 categories



# VLSS-1 Communes Data Exploration

## 39 variables 111 categories





Discrimination Measures	Dimension		Rank dim 1	Rank dim 2
	1	2		
C-Do hlds have electricity?	0,514	0,154	1	14
C-Proportion of land quality 1	0,492	0,121	2	19
C-First reason not attending prim sch	0,388	0,133	3	17
C-Proportion of land quality 2	0,371	0,244	4	3
C-Primary enrolment rate	0,348	0,136	5	16
C-Where most of women give birth?	0,337	0,111	6	20
C-loud speaker	0,315	0,095	7	23
C-Major health problem in community	0,299	0,077	8	29
C-First reason not attend sec school	0,289	0,081	9	27
C-Enrol.rate at lower secondary school	0,287	0,072	10	30
C-Major problem lower second school	0,278	0,083	11	26
C-Pharmacy in community	0,262	0,095	12	24
C-large enterprise < 10 kms	0,254	0,044	13	33
C-Doctor in community	0,252	0,133	14	18
C-Major problem primary school-rec	0,219	0,138	15	15
C-Distance kms to hospital	0,209	0,177	16	10
C-Is there an agric ext center in the communit	0,206	0,004	17	37
C-market	0,194	0,171	18	12
C-Proportion of land quality 5	0,176	0,175	19	11
C-Distance public transportation	0,175	0,164	20	13
C-Proportion of land quality 6	0,167	0,243	21	4
C-Pharmacist in community	0,138	0,019	22	35
C-food shop	0,132	0,221	23	5
C-Proportion of land quality 7	0,123	0,096	24	21
C-Is there an agric coop in the community?	0,115	0,375	25	1
C-Proportion of land quality 3	0,107	0,178	26	7
C-Road passes by the community	0,106	0,046	27	32
C-Fees at lower secondary school	0,081	0,072	28	31
C-post office	0,079	0,193	29	6
C-Source of drinking water	0,078	0,178	30	8
C-Major health service prob in commun.	0,07	0,021	31	34
C-Traditional midwife in community	0,069	0,015	32	36
C-Is there a lower secondary school?	0,03	0,002	33	38
C-Study fees at grade 1-3 (000 dong)	0,021	0,096	34	22
C-Study fees at grade 4-5 (000 dong)	0,021	0,079	35	28
C-Traditional healer in community	0,018	0,094	36	25
C-Proportion of land quality 4	0,016	0,178	37	9
C-Trained midwife in community	0,009	0,001	38	39
C-Clinic in community	0,005	0,259	39	2

## **Appendice 4**

### **Analyse finale des données avec l'Analyse de Correspondance Multiple**

VLSS-1 Communes Final Data Analysis  
24 variables 56 categories

## Homals

Credit

HOMALS  
Version 1.0  
by  
Data Theory Scaling System Group (DTSS)  
Faculty of Social and Behavioral Sciences  
Leiden University, The Netherlands

### Case Processing Summary

Cases Used in Analysis	120
------------------------	-----

## Marginal Frequencies

C-Is there an agric coop in the community?

	Marginal Frequency
AgricY	77
AgricN	43
Missing	0

C-Where most of women give birth?

	Marginal Frequency
home	35
hos,cli	80
other	5
Missing	0

C-Clinic in community

	Marginal Frequency
clinYes	37
clinNO	83
Missing	0

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**C-Doctor in community**

	Marginal Frequency
Doctor-Y	50
Doctor-N	70
Missing	0

**C-Distance kms to hospital**

	Marginal Frequency
d<=3k	23
d3-10k	49
d>10k	47
Missing	1

**C-Do hlds have electricity?**

	Marginal Frequency
C-None	15
C-A few	50
C-Most	55
Missing	0

**C-large enterprise < 10 kms**

	Marginal Frequency
entYES	55
entNO	65
Missing	0

**C-Is there an agric ext center in the community?**

	Marginal Frequency
ExtY	31
ExtN	89
Missing	0

**VLSS-1 Communes Final Data Analysis  
24 variables 56 categories**

**C-food shop**

	Marginal Frequency
foodsYES	52
foodsNO	68
Missing	0

**C-Proportion of land quality 1**

	Marginal Frequency
Land1=0	57
Land1<25	41
Land1>25	22
Missing	0

**C-Proportion of land quality 7**

	Marginal Frequency
Land7=0	53
land7<25	51
Land7>25	16
Missing	0

**C-loud speaker**

	Marginal Frequency
speakYES	64
speakNO	56
Missing	0

**C-market**

	Marginal Frequency
dailyNO	56
dailyYES	64
Missing	0

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**C-Pharmacist in community**

	Marginal Frequency
phcistY	65
phcistN	55
Missing	0

**C-Pharmacy in community**

	Marginal Frequency
Pharm-Y	85
Pharm-N	35
Missing	0

**C-post office**

	Marginal Frequency
postYES	41
postNO	79
Missing	0

**C-Primary enrolment rate**

	Marginal Frequency
primr80	22
primr90	15
prir100	83
Missing	0

**C-Distance public transportation**

	Marginal Frequency
pubt3k	77
pubt10k	28
pubt11k+	15
Missing	0

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**C-Road passes by the community**

	Marginal Frequency
roadYES	103
rosdNO	17
Missing	0

**C-Enrol.rate at lower secondary school**

	Marginal Frequency
s<=35	31
s35-70	35
s>70	54
Missing	0

**C-Is there a lower secondary school?**

	Marginal Frequency
secs	106
nosecs	14
Missing	0

**C-Traditional healer in community**

	Marginal Frequency
tradheY	77
tradheN	43
Missing	0

**C-Traditional midwife in community**

	Marginal Frequency
tradmidY	87
tradmidN	33
Missing	0

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**C-Trained midwife in community**

	Marginal Frequency
traimidY	101
traimidN	19
Missing	0

**Iteration History**

Iteration	Fit	Difference from the Previous Iteration
9 <sup>a</sup>	,348877	,000010

a. The iteration was terminated because convergence criteria are satisfied.

**Eigenvalues**

Dimension	Eigenvalue
1	,216
2	,133



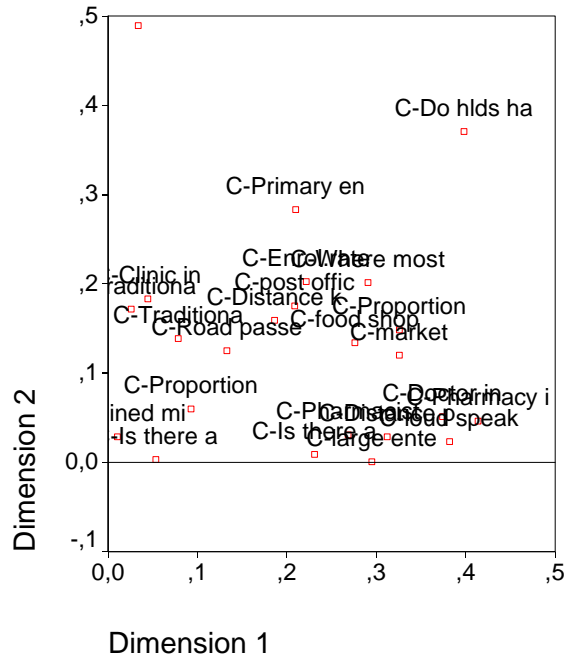
**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**Discrimination Measures**

	Dimension	
	1	2
C-Is there an agric coop in the community?	,034	,489
C-Where most of women give birth?	,291	,201
C-Clinic in community	,044	,183
C-Doctor in community	,374	,051
C-Distance kms to hospital	,186	,159
C-Do hlds have electricity?	,398	,371
C-large enterprise < 10 kms	,295	,001
C-Is there an agric ext center in the community?	,231	,009
C-food shop	,276	,134
C-Proportion of land quality 1	,326	,149
C-Proportion of land quality 7	,093	,060
C-loud speaker	,382	,023
C-market	,326	,120
C-Pharmacist in community	,268	,031
C-Pharmacy in community	,414	,046
C-post office	,209	,175
C-Primary enrolment rate	,210	,283
C-Distance public transportation	,312	,029
C-Road passes by the community	,133	,125
C-Enrol.rate at lower secondary school	,222	,203
C-Is there a lower secondary school?	,053	,003
C-Traditional healer in community	,078	,139
C-Traditional midwife in community	,026	,172
C-Trained midwife in community	,010	,029

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**Discrimination Measures**



**Quantifications**

**C-Is there an agric coop in the community?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
AgricY	77	,138	-,523
AgricN	43	-,245	,936
Missing	0		

**C-Where most of women give birth?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
home	35	-,835	,250
hos,cli	80	,329	-,227
other	5	,600	1,888
Missing	0		

**VLSS-1 Communes Final Data Analysis  
24 variables 56 categories**

**C-Clinic in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
clinYes	37	,316	,641
clinNO	83	-,140	-,286
Missing	0		

**C-Doctor in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Doctor-Y	50	,724	,267
Doctor-N	70	-,516	-,191
Missing	0		

**C-Distance kms to hospital**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
d<=3k	23	,776	,382
d3-10k	49	,009	-,478
d>10k	47	-,425	,312
Missing	1		

**C-Do hlds have electricity?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
C-None	15	-1,237	-,230
C-A few	50	-,297	,709
C-Most	55	,609	-,582
Missing	0		

**VLSS-1 Communes Final Data Analysis  
24 variables 56 categories**

**C-large enterprise < 10 kms**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
entYES	55	,591	-,029
entNO	65	-,499	,025
Missing	0		

**C-Is there an agric ext center in the community?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
ExtY	31	,815	-,159
ExtN	89	-,283	,055
Missing	0		

**C-food shop**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
foodsYES	52	,601	,418
foodsNO	68	-,459	-,320
Missing	0		

**C-Proportion of land quality 1**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land1=0	57	-,562	,404
Land1<25	41	,309	-,390
Land1>25	22	,884	-,320
Missing	0		

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**C-Proportion of land quality 7**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Land7=0	53	,139	,237
land7<25	51	,100	-,281
Land7>25	16	-,774	,110
Missing	0		

**C-loud speaker**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
speakYES	64	,579	,143
speakNO	56	-,660	-,164
Missing	0		

**C-market**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
dailyNO	56	-,610	-,370
dailyYES	64	,535	,324
Missing	0		

**C-Pharmacist in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
phcistY	65	,477	,162
phcistN	55	-,562	-,191
Missing	0		

**VLSS-1 Communes Final Data Analysis  
24 variables 56 categories**

**C-Pharmacy in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
Pharm-Y	85	,413	,138
Pharm-N	35	-1,002	-,335
Missing	0		

**C-post office**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
postYES	41	,635	,581
postNO	79	-,329	-,302
Missing	0		

**C-Primary enrolment rate**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
primr80	22	-,913	,879
primr90	15	-,181	,664
prir100	83	,276	-,353
Missing	0		

**C-Distance public transportation**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
pubt3k	77	,388	,051
pubt10k	28	-,441	,100
pubt11k+	15	-1,165	-,446
Missing	0		

**VLSS-1 Communes Final Data Analysis  
24 variables 56 categories**

**C-Road passes by the community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
roadYES	103	,149	-,144
rosdNO	17	-,897	,871
Missing	0		

**C-Enrol.rate at lower secondary school**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
s<=35	31	-,732	,675
s35-70	35	-,013	,067
s>70	54	,430	-,431
Missing	0		

**C-Is there a lower secondary school?**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
secs	106	,084	-,021
nosecs	14	-,634	,158
Missing	0		

**C-Traditional healer in community**

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
tradheY	77	,210	,278
tradheN	43	-,374	-,499
Missing	0		

# VLSS-1 Communes Final Data Analysis

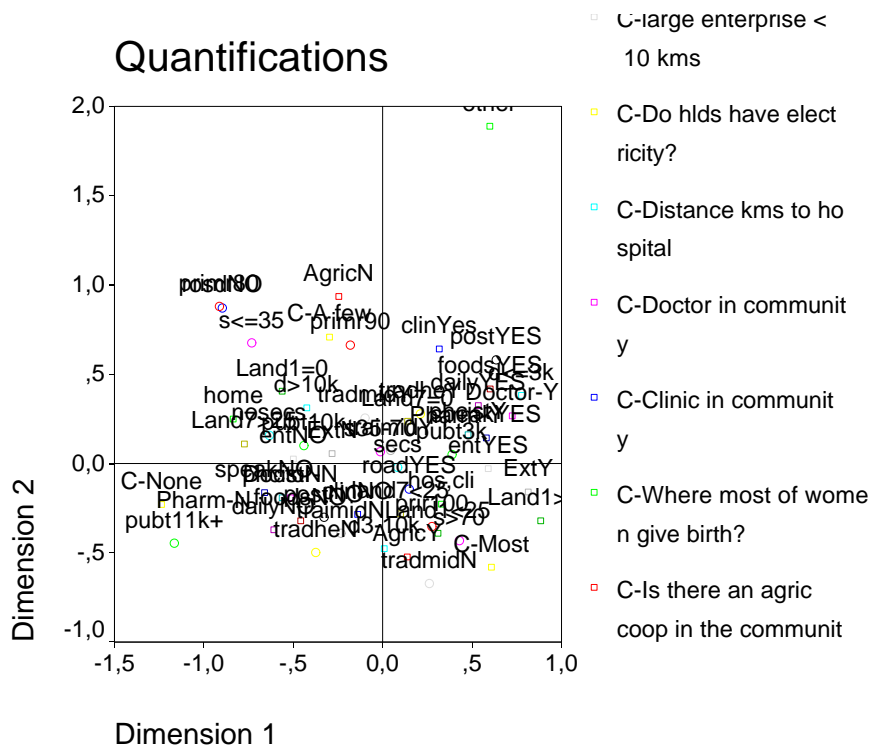
## 24 variables 56 categories

### C-Traditional midwife in community

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
tradmidY	87	-,098	,255
tradmidN	33	,261	-,673
Missing	0		

### C-Trained midwife in community

	Marginal Frequency	Category Quantifications	
		Dimension	
		1	2
traimidY	101	,045	,074
traimidN	19	-,233	-,391
Missing	0		





**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**Object Scores**

	Dimension	
	1	2
1	-2,301	-,408
2	-1,287	-,698
3	-,013	1,700
4	-1,177	,225
5	-1,033	-,165
6	-1,296	-,597
7	-1,412	-,845
8	-1,365	,090
9	-,509	-,661
10	-,139	-1,653
11	-1,268	,040
12	-1,186	,627
13	-1,167	-,889
14	-,445	-,751
15	-,966	-,053
16	,022	-,355
17	,946	-1,089
18	,706	,118
19	1,508	-,238
20	1,139	-,899
21	1,115	-,492
22	,430	-1,011
23	-1,694	-,212
24	-1,123	-1,613
25	-,487	-,074
26	-,008	-,798
27	-,486	-1,855
28	-,652	-1,017
29	,581	,013
30	-,700	-,825
31	,254	-,422
32	1,772	-,050
33	,730	-1,050
34	1,928	,199
35	,663	-1,663
36	,893	-,886
37	1,261	-,498
38	1,419	-,421
39	1,194	-,587
40	1,268	-1,017
41	,397	-1,779
42	1,564	-,738
43	1,410	,265
44	,347	-,704

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

**Object Scores**

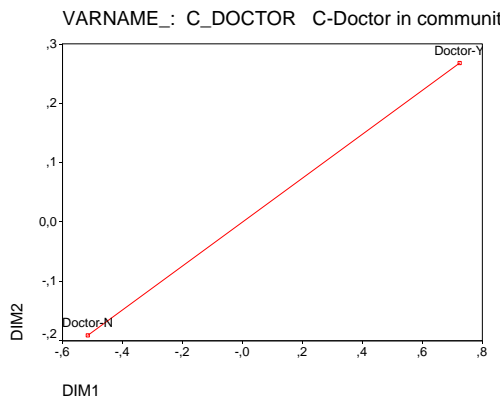
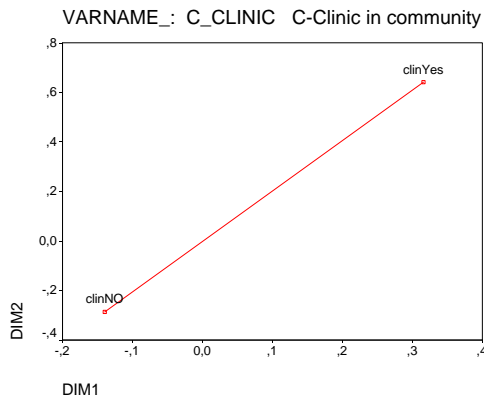
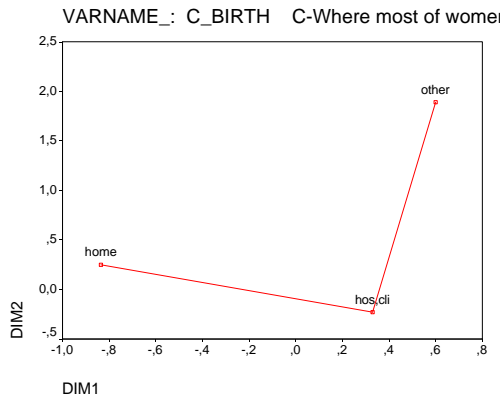
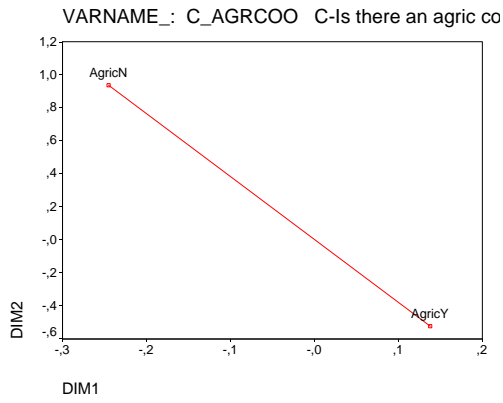
	Dimension	
	1	2
45	,490	-,698
46	,049	-,764
47	,444	-,679
48	,854	-,357
49	,975	-,751
50	-,993	-,168
51	1,430	-,573
52	,316	-1,225
53	,582	-,811
54	-,900	-,734
55	-,103	-,857
56	-,568	-,571
57	1,453	-,035
58	-,367	-1,512
59	,471	-1,321
60	,158	-,872
61	-,181	-,896
62	-2,157	-,308
63	-,799	-1,569
64	-,683	-,742
65	-,542	-1,141
66	-,122	,027
67	-1,478	-,877
68	,403	-,273
69	-2,467	,233
70	,007	-,424
71	1,707	-,203
72	-,085	,496
73	-1,056	,445
74	1,305	-,486
75	-2,028	,099
76	,535	-,828
77	,546	-,180
78	,142	-,559
79	1,352	,310
80	,459	,882
81	1,290	,597
82	,513	-1,001
83	,728	,578
84	-,644	,331
85	-,774	,364
86	1,233	1,410
87	-1,093	,282
88	,669	1,314

**VLSS-1 Communes Final Data Analysis**  
**24 variables 56 categories**

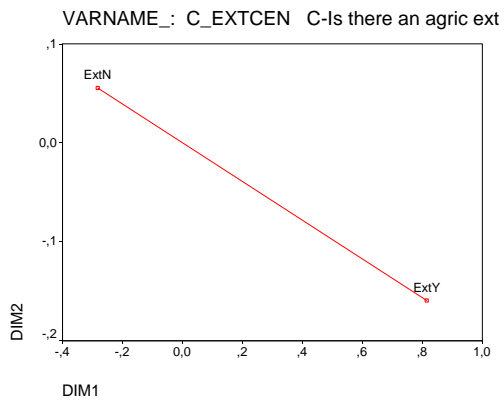
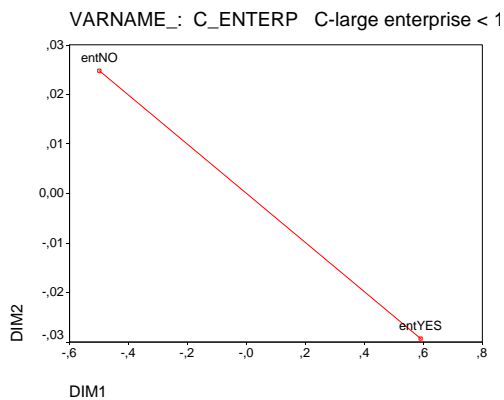
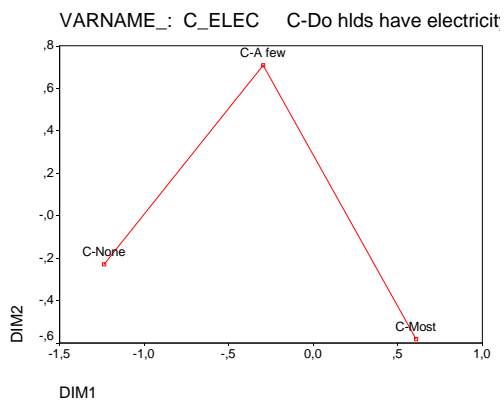
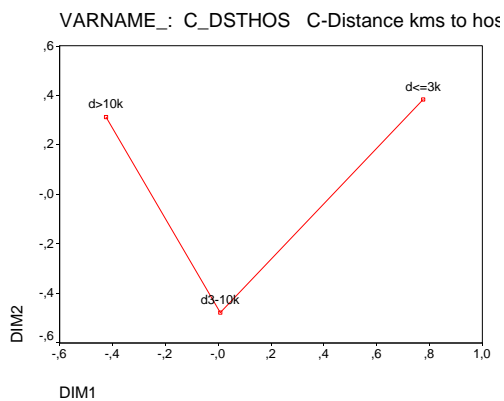
**Object Scores**

	Dimension	
	1	2
89	,561	,735
90	-,818	1,540
91	,770	-,185
92	,127	2,206
93	1,337	,142
94	-,037	,107
95	,736	,844
96	-1,000	,849
97	-,046	1,830
98	,640	,577
99	,630	,833
100	,952	1,773
101	,515	1,665
102	,247	2,112
103	1,080	1,131
104	,155	1,861
105	-,453	1,547
106	-,442	1,193
107	,360	1,264
108	-,477	,290
109	,862	,977
110	,209	1,575
111	,917	2,769
112	-1,722	,927
113	-1,616	,889
114	-,139	-,250
115	,584	2,050
116	-,267	2,353
117	-1,421	1,331
118	-1,334	,415
119	-1,112	1,198
120	-1,628	1,238

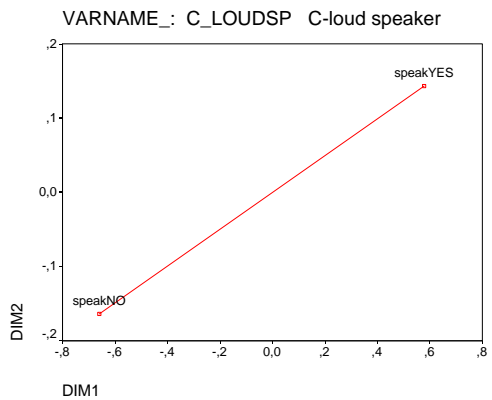
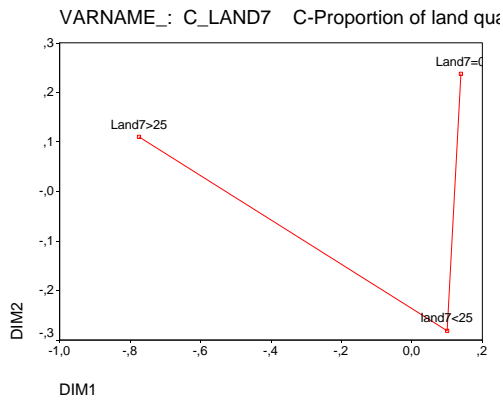
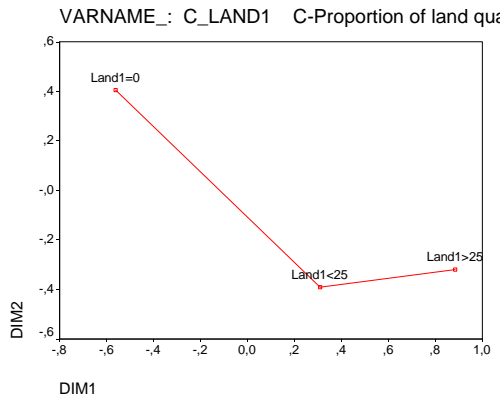
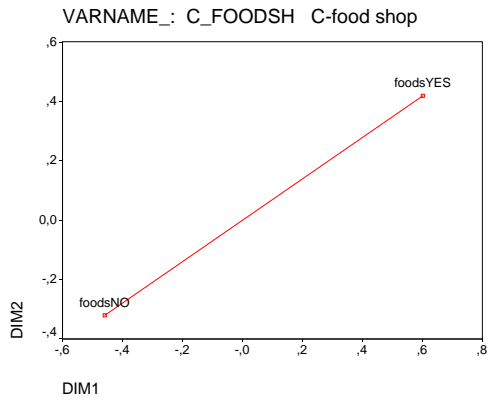
# VLSS-1 Communes Final Data Analysis 24 variables 56 categories



# VLSS-1 Communes Final Data Analysis 24 variables 56 categories

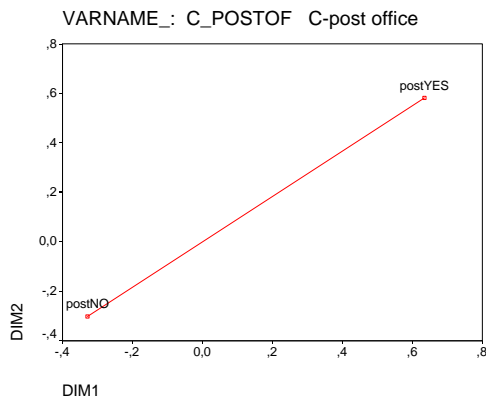
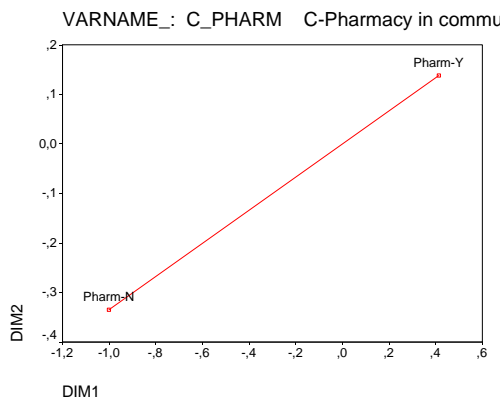
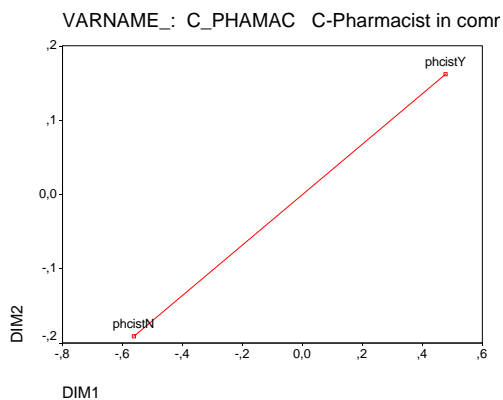
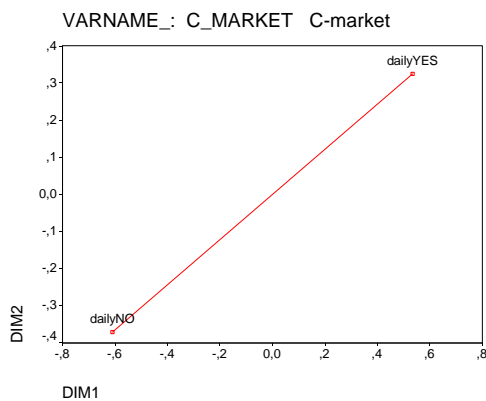


# VLSS-1 Communes Final Data Analysis 24 variables 56 categories

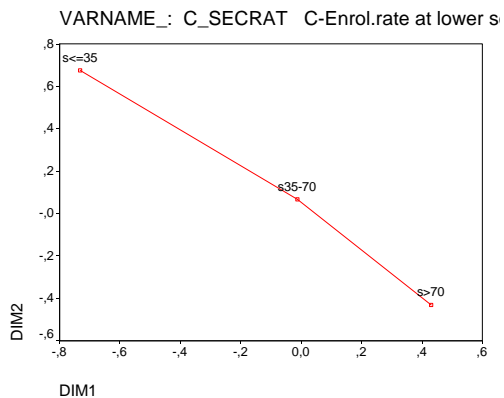
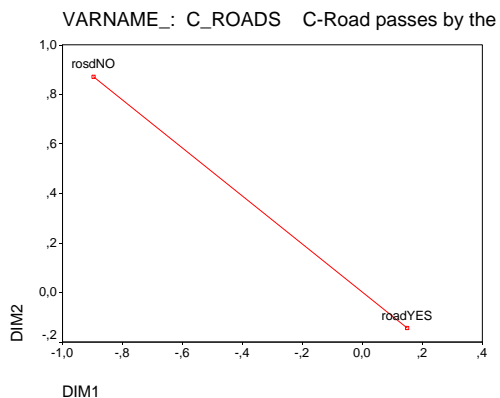
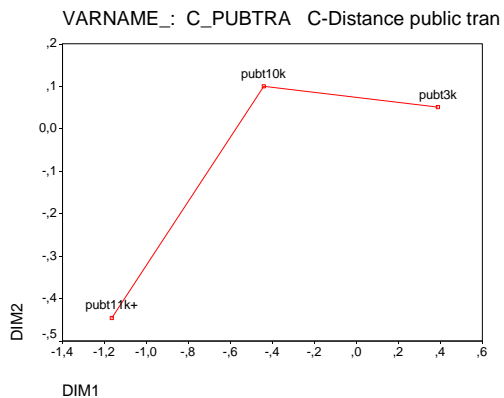
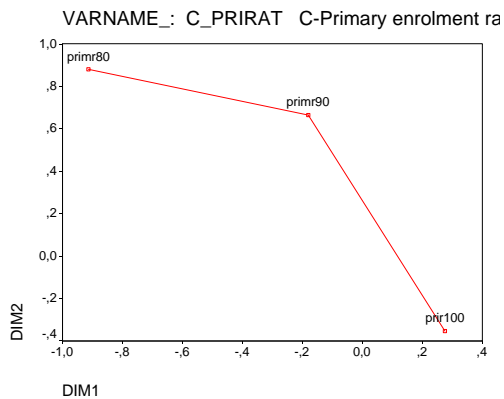


# VLSS-1 Communes Final Data Analysis

## 24 variables 56 categories



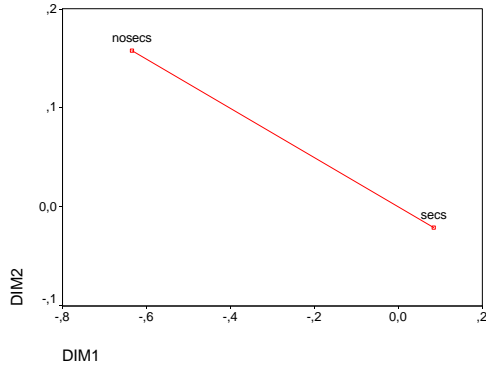
# VLSS-1 Communes Final Data Analysis 24 variables 56 categories



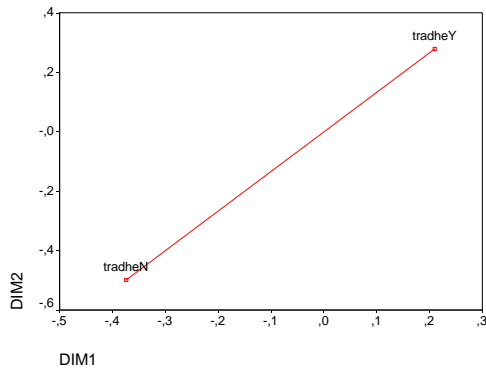


# VLSS-1 Communes Final Data Analysis 24 variables 56 categories

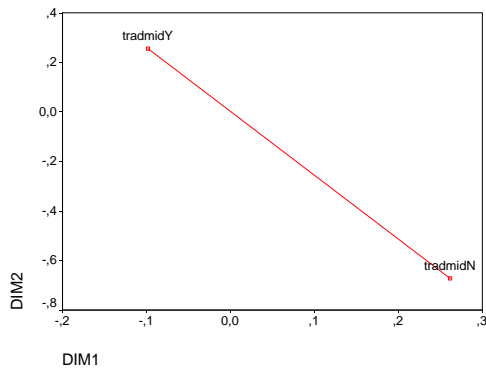
VARNAME\_: C\_SECSCH C-Is there a lower sec



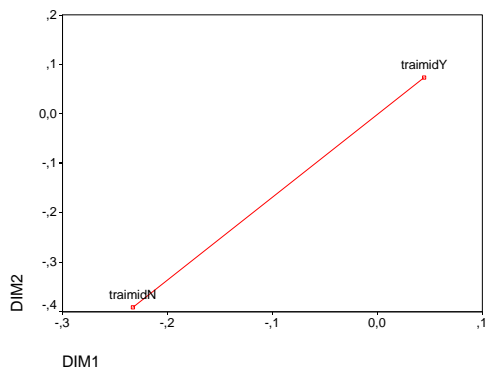
VARNAME\_: C\_TRADHE C-Traditional healer in



VARNAME\_: C\_TRADMI C-Traditional midwife in



VARNAME\_: C\_TRAIMI C-Trained midwife in co



## VLSS-1 Communes Final Data Analysis

24 variables

56 categories

### Discrimination Measures

	Dimension		Rank dim 1	Rank dim 2
	1	2		
C-Pharmacy in community	0,414	0,046	1	17
C-Do hlds have electricity?	0,398	0,371	2	2
C-loud speaker	0,382	0,023	3	21
C-Doctor in community	0,374	0,051	4	16
C-Proportion of land quality 1	0,326	0,149	5	10
C-market	0,326	0,12	6	14
C-Distance public transportation	0,312	0,029	7	19
C-large enterprise < 10 kms	0,295	0,001	8	24
C-Where most of women give birth?	0,291	0,201	9	5
C-food shop	0,276	0,134	10	12
C-Pharmacist in community	0,268	0,031	11	18
C-Is there an agric ext center in the community?	0,231	0,009	12	22
C-Enrol.rate at lower secondary school	0,222	0,203	13	4
C-Primary enrolment rate	0,21	0,283	14	3
C-post office	0,209	0,175	15	7
C-Distance kms to hospital	0,186	0,159	16	9
C-Road passes by the community	0,133	0,125	17	13
C-Proportion of land quality 7	0,093	0,06	18	15
C-Traditional healer in community	0,078	0,139	19	11
C-Is there a lower secondary school?	0,053	0,003	20	23
C-Clinic in community	0,044	0,183	21	6
C-Is there an agric coop in the community?	0,034	0,489	22	1
C-Traditional midwife in community	0,026	0,172	23	8
C-Trained midwife in community	0,01	0,029	24	20

Communes ordered according to decreasing multidimensional poverty

	Code of the community	Composite Poverty Indicator	Total population	Total number of households	Region
1	69	-2,467	1985	364	North Central
2	1	-2,301	1719	272	Northern Uplands
3	62	-2,157	4147	904	North Central
4	75	-2,028	4360	608	Central Coast
5	112	-1,722	12193	2074	Mekong River Delta
6	23	-1,694	5614	1060	Northern Uplands
7	120	-1,628	22691	3885	Mekong River Delta
8	113	-1,616	22865	3969	Mekong River Delta
9	67	-1,478	2547	546	North Central
10	117	-1,421	6189	1032	Mekong River Delta
11	7	-1,412	3967	623	Northern Uplands
12	8	-1,365	5292	1054	Northern Uplands
13	118	-1,334	9019	1563	Mekong River Delta
14	6	-1,296	2984	502	Northern Uplands
15	2	-1,287	3308	582	Northern Uplands
16	11	-1,268	3620	695	Northern Uplands
17	12	-1,186	6501	1148	Northern Uplands
18	4	-1,177	3617	617	Northern Uplands
19	13	-1,167	1085	221	Red River Delta
20	24	-1,123	6618	1354	Northern Uplands
21	119	-1,112	16816	2733	Mekong River Delta
22	87	-1,093	6483	1325	Southeast
23	73	-1,056	7110	931	Central Highlands
24	5	-1,033	4787	900	Northern Uplands
25	96	-1,000	12595	2501	Southeast
26	50	-,993	8578	1548	Red River Delta
27	15	-,966	2570	470	Red River Delta
28	54	-,900	4699	1130	North Central
29	90	-,818	5531	1139	Mekong River Delta
30	63	-,799	5356	1106	North Central
31	85	-,774	5301	932	Central Highlands
32	30	-,700	8957	2156	Red River Delta
33	64	-,683	2264	555	North Central
34	28	-,652	3505	585	Northern Uplands
35	84	-,644	5767	994	Central Coast
36	56	-,568	4387	820	North Central
37	65	-,542	3860	720	North Central
38	9	-,509	10428	1906	Northern Uplands
39	25	-,487	13755	2686	Northern Uplands
40	27	-,486	9597	1958	Northern Uplands
41	108	-,477	7602	1407	Mekong River Delta
42	105	-,453	13328	2773	Mekong River Delta
43	14	-,445	6710	1461	Red River Delta
44	106	-,442	13886	2633	Mekong River Delta
45	58	-,367	6533	1132	North Central
46	116	-,267	10497	2146	Mekong River Delta
47	61	-,181	7626	1651	North Central
48	10	-,139	4283	843	Northern Uplands
49	114	-,139	14956	2756	Mekong River Delta
50	66	-,122	8509	1780	North Central

Communes ordered according to decreasing multidimensional poverty

	Code of the community	Composite Poverty Indicator	Total population	Total number of households	Region
51	55	-,103	3454	916	North Central
52	72	-,085	2568	551	Central Coast
53	97	-,046	10921	2046	Southeast
54	94	-,037	5490	1338	Southeast
55	3	-,013	4445	844	Northern Uplands
56	26	-,008	10156	2085	Northern Uplands
57	70	,007	7941	213	Central Coast
58	16	,022	7013	1679	Red River Delta
59	46	,049	6643	1720	Red River Delta
60	92	,127	13129	2257	Southeast
61	78	,142	10733	2310	Central Coast
62	104	,155	12127	2202	Mekong River Delta
63	60	,158	4589	978	North Central
64	110	,209	16906	2771	Mekong River Delta
65	102	,247	3981	787	Mekong River Delta
66	31	,254	6221	1539	Red River Delta
67	52	,316	4538	1239	North Central
68	44	,347	6321	1631	Red River Delta
69	107	,360	7213	1401	Mekong River Delta
70	41	,397	5910	1697	Red River Delta
71	68	,403	11537	2100	North Central
72	22	,430	4316	990	Northern Uplands
73	47	,444	4001	937	Red River Delta
74	80	,459	8760	1621	Central Highlands
75	59	,471	5980	1400	North Central
76	45	,490	8250	2086	Red River Delta
77	82	,513	8111	1182	Central Coast
78	101	,515	13008	2356	Mekong River Delta
79	76	,535	8633	1900	Central Coast
80	77	,546	8891	1798	Central Coast
81	89	,561	18144	3659	Southeast
82	29	,581	9771	2192	Red River Delta
83	53	,582	4072	900	North Central
84	115	,584	22011	4002	Mekong River Delta
85	99	,630	8180	1543	Mekong River Delta
86	98	,640	30542	1809	Mekong River Delta
87	35	,663	7232	1823	Red River Delta
88	88	,669	10933	2094	Southeast
89	18	,706	9834	1936	Red River Delta
90	83	,728	8254	1547	Central Coast
91	33	,730	7019	2109	Red River Delta
92	95	,736	18358	3229	Southeast
93	91	,770	3223	688	Mekong River Delta
94	48	,854	11238	2892	Red River Delta
95	109	,862	11962	2069	Mekong River Delta
96	36	,893	7463	1534	Red River Delta
97	111	,917	11267	1893	Mekong River Delta
98	17	,946	9825	1936	Red River Delta
99	100	,952	12354	2088	Mekong River Delta
100	49	,975	7260	1610	Red River Delta

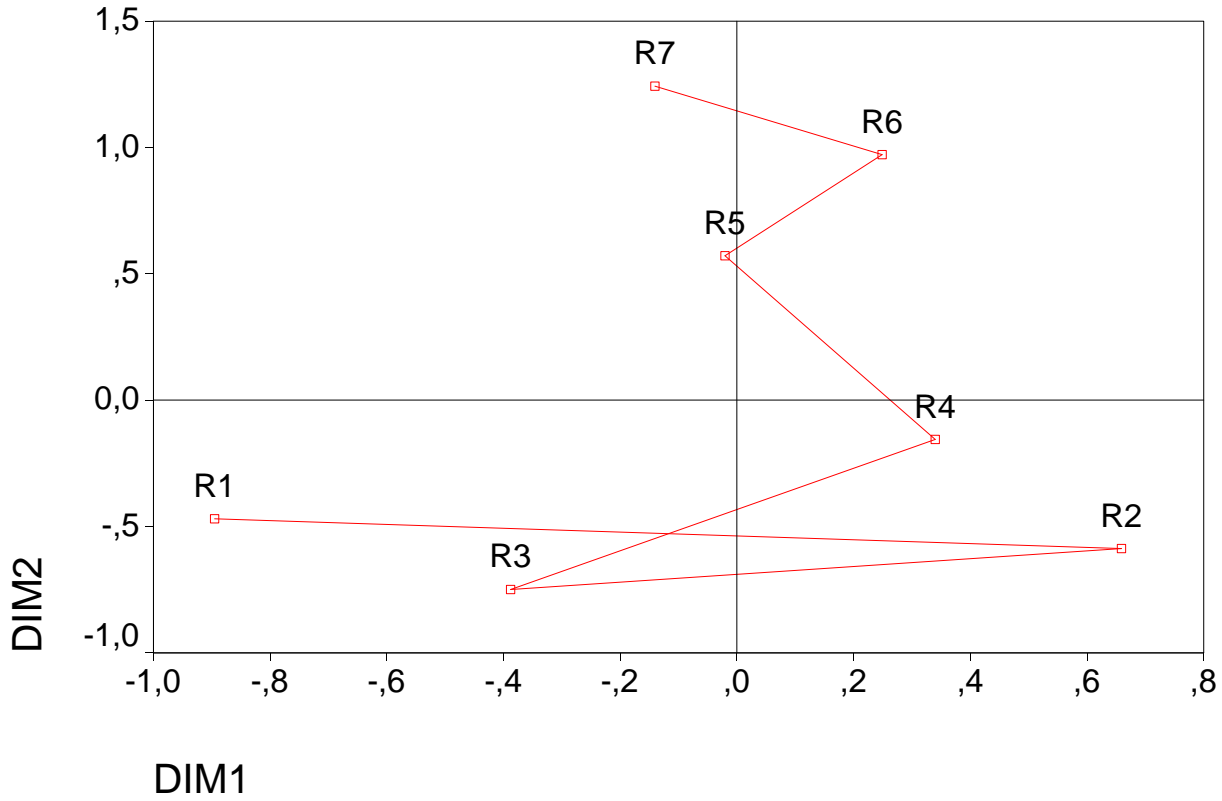
**Communes ordered according to decreasing multidimensional poverty**

	Code of the community	Composite Poverty Indicator	Total population	Total number of households	Region
101	103	1,080	13700	2556	Mekong River Delta
102	21	1,115	7875	1776	Red River Delta
103	20	1,139	8089	1825	Red River Delta
104	39	1,194	5686	1310	Red River Delta
105	86	1,233	15489	3011	Southeast
106	37	1,261	6692	1894	Red River Delta
107	40	1,268	7324	1995	Red River Delta
108	81	1,290	16290	2169	Central Highlands
109	74	1,305	9753	1923	Central Coast
110	93	1,337	12559	2371	Southeast
111	79	1,352	16848	3623	Central Coast
112	43	1,410	12136	3034	Red River Delta
113	38	1,419	6756	1640	Red River Delta
114	51	1,430	10158	2547	Red River Delta
115	57	1,453	16824	4487	North Central
116	19	1,508	13726	3078	Red River Delta
117	42	1,564	5225	1326	Red River Delta
118	71	1,707	13367	2961	Central Coast
119	32	1,772	7800	1540	Red River Delta
120	34	1,928	9898	2145	Red River Delta

Second Factorial Axis  
The North / South Poverty Types

Graph 1

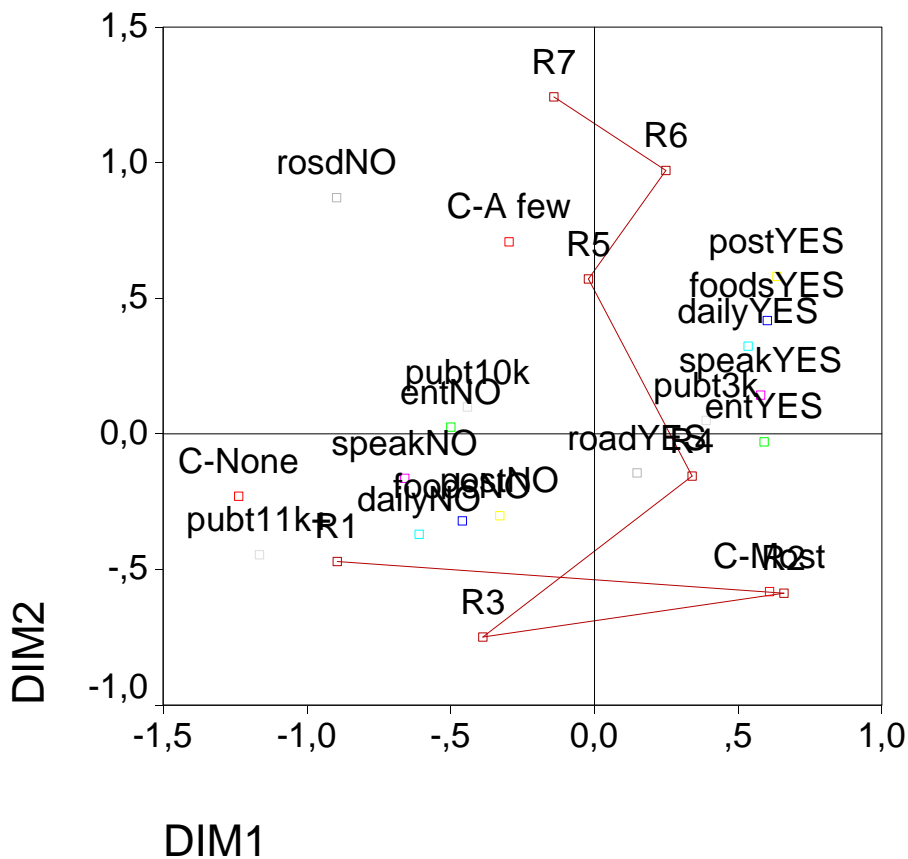
Regions in the Poverty Map



**Second Factorial Axis  
The North / South Poverty Types**

**Graph 2**

**Regions and Economy/Infras.**

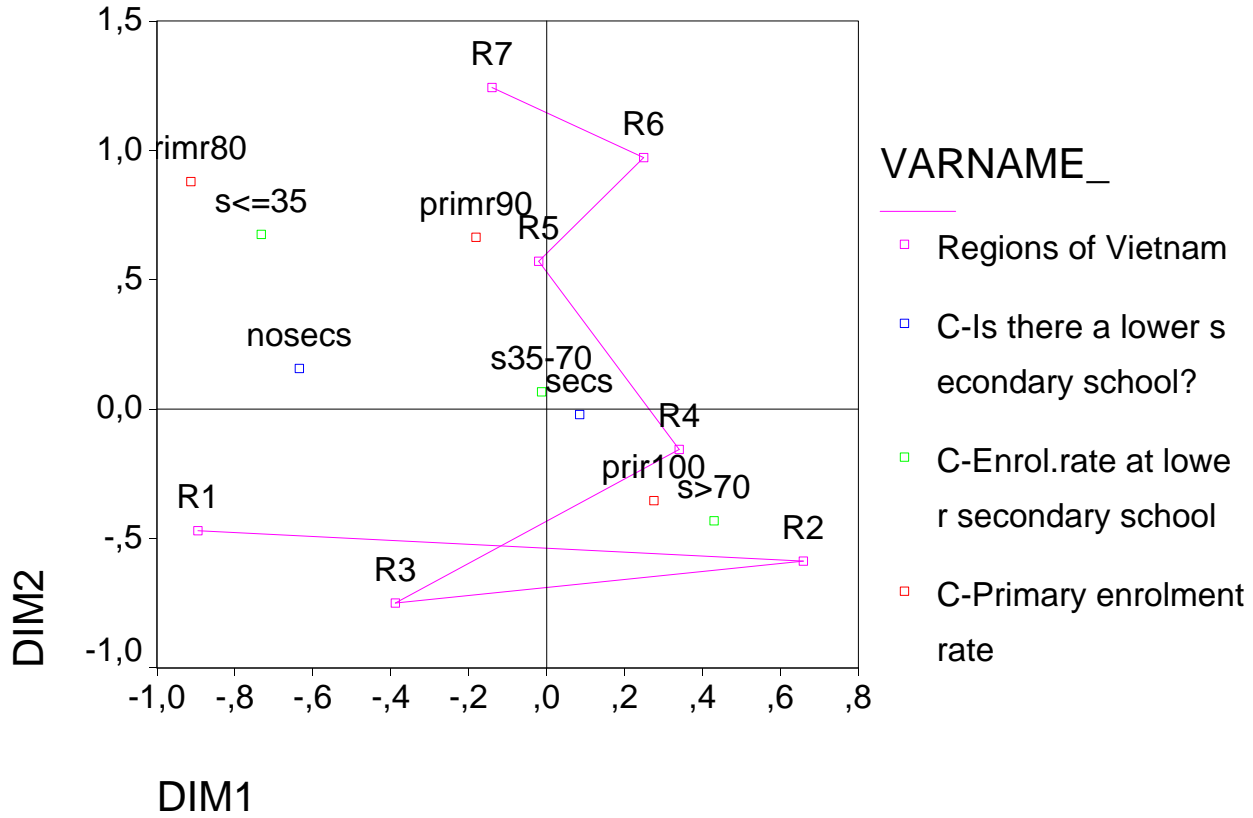


- Regions of Vietnam
- C-Road passes by the community
- C-Distance public transportation
- C-post office
- C-market
- C-loud speaker
- C-food shop
- C-large enterprise < 10 kms
- C-Do hlds have electricity?

Second Factorial Axis  
The North / South Poverty Types

# Graph 3

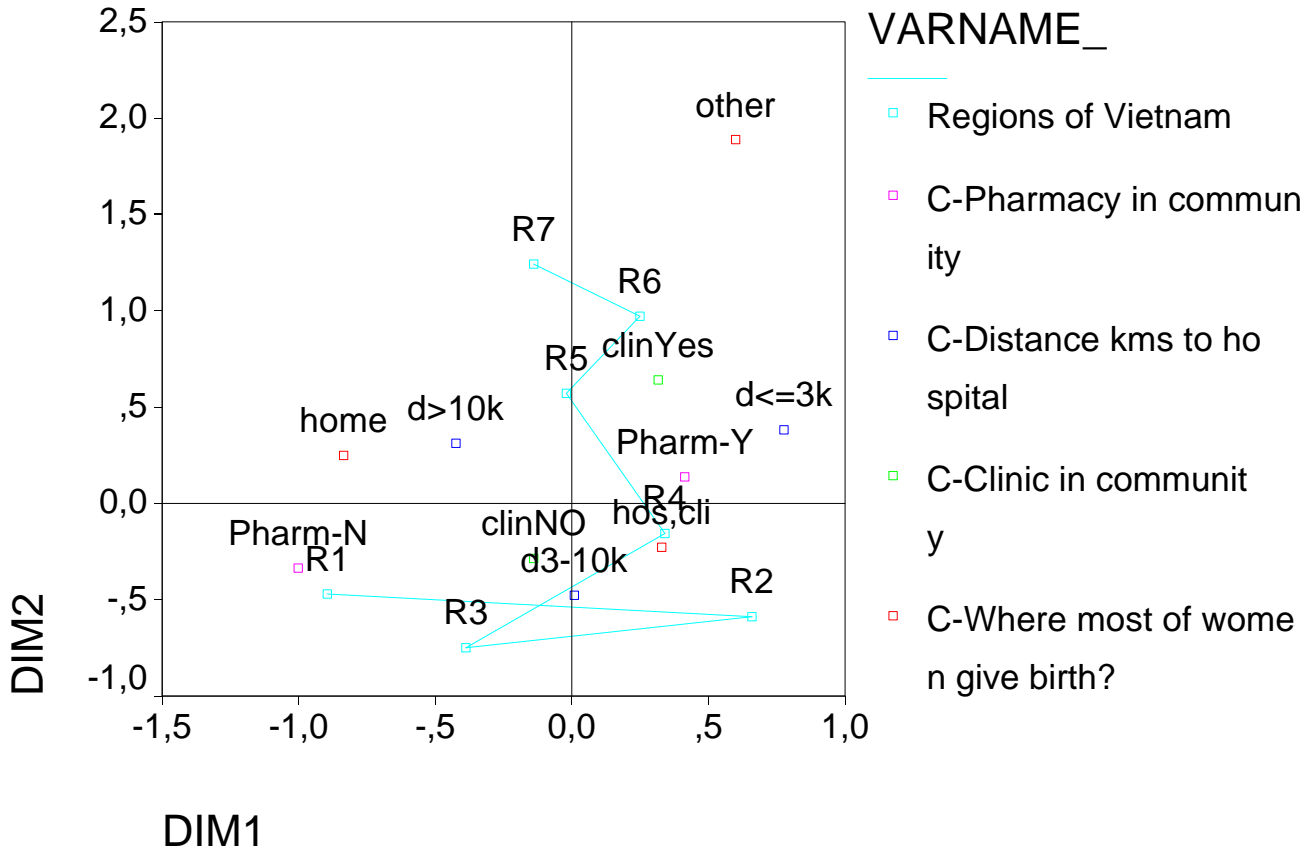
## Regions and Education





# Graph 4.1

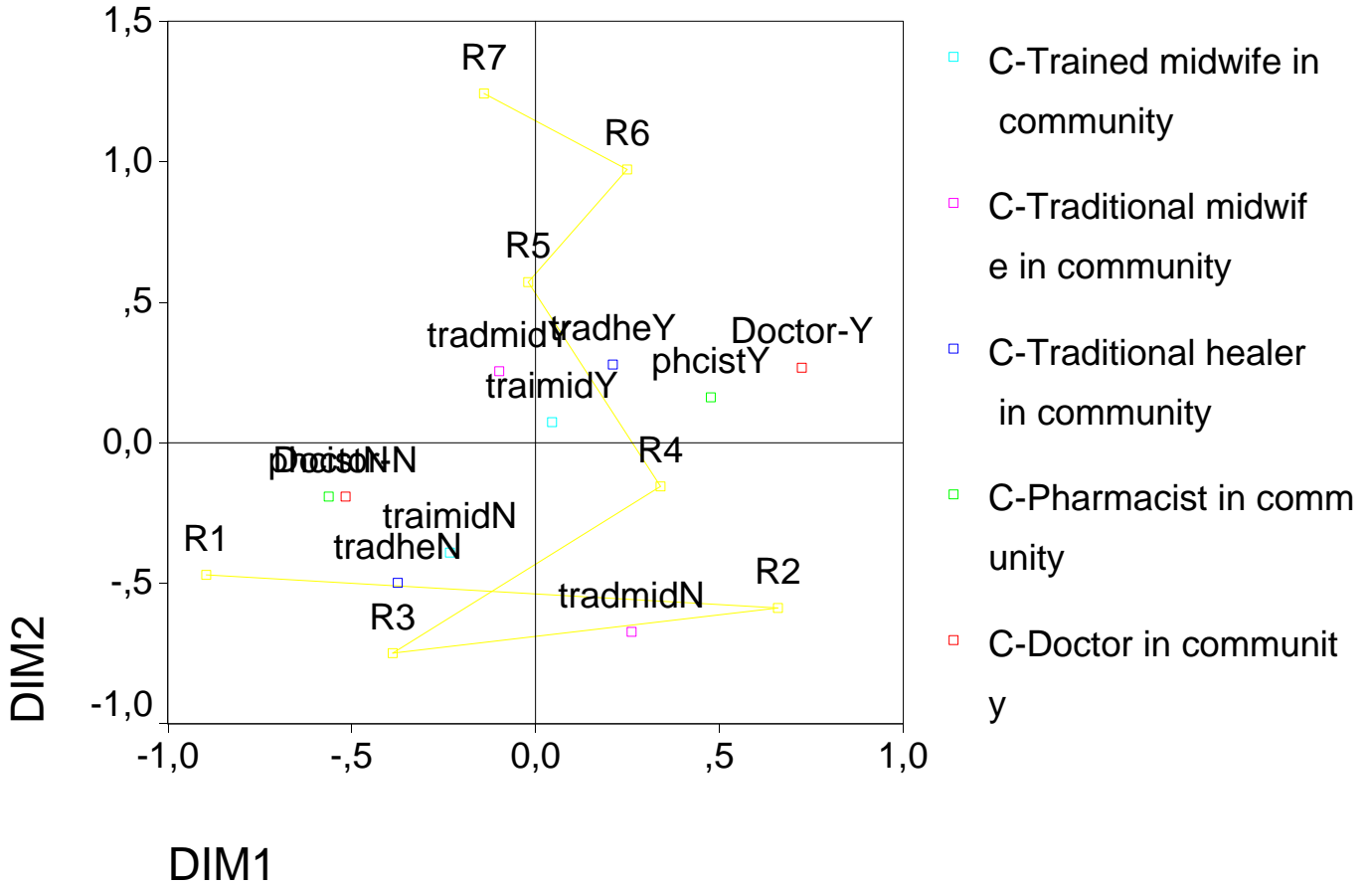
## Regions and Health Infrastructure



# Graph 4.2

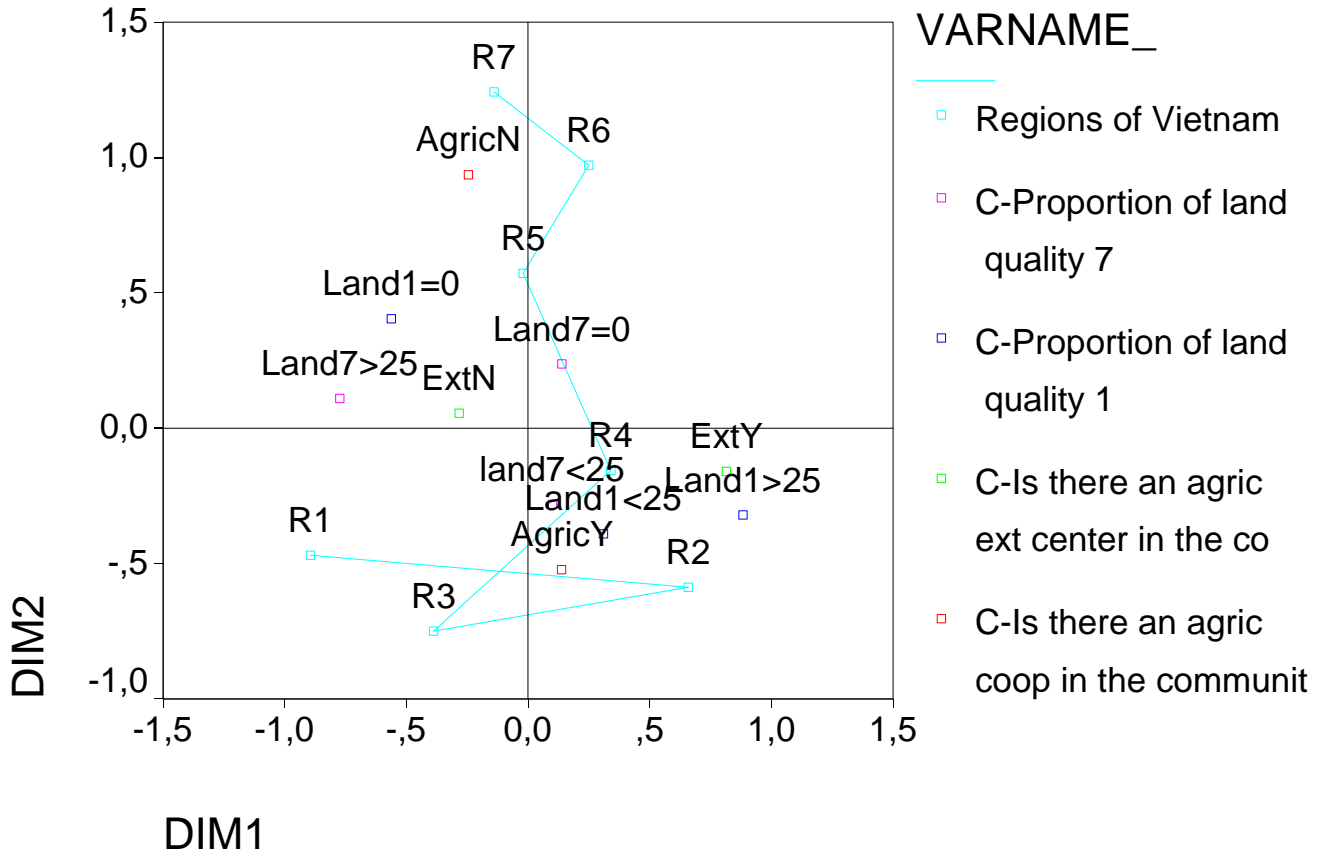
## Regions and Health Staff

VARNAME\_



# Graph 5

## Regions and Agriculture



## Basic Questionnaire for the Composite Poverty Indicator

### DOMAIN = Economy and Infrastructure

	VARNAME_	LEVEL	Value (0/1)	Weight
1	C-Do hlds have electricity?	C-None	,	-5726
2		C-A few	,	-1375
3		C-Most	,	2818
4	C-large enterprise < 10 kms	entYES	,	2735
5		entNO	,	-2309
6	C-food shop	foodsYES	,	2784
7		foodsNO	,	-2124
8	C-loud speaker	speakYES	,	2679
9		speakNO	,	-3055
10	C-market	dailyNO	,	-2822
11		dailyYES	,	2475
12	C-post office	postYES	,	2939
13		postNO	,	-1521
14	C-Distance public transportation	pubt3k	,	1798
15		pubt10k	,	-2044
16		pubt11k+	,	-5394
17	C-Road passes by the community	roadYES	,	689
18		rosdNO	,	-4152

### DOMAIN = Education

#### Basic Questionnaire for the Composite Poverty Indicator

	VARNAME_	LEVEL	Value (0/1)	Weight
1	C-Primary enrolment rate	primr80	,	-4228
2		primr90	,	-838
3		prir100	,	1276
4	C-Enrol.rate at lower secondary school	s<=35	,	-3389
5		s35-70	,	-60
6		s>70	,	1990
7	C-Is there a lower secondary school?	secs	,	391
8		nosecs	,	-2936

## Basic Questionnaire for the Composite Poverty Indicator

### DOMAIN = Health

	VARNAME_	LEVEL	Value (0/1)	Weight
1	C-Where most of women give birth?	home	,	-3868
2		hos,cli	,	1523
3		other	,	2777
4	C-Clinic in community	clinYes	,	1462
5		clinNO	,	-647
6	C-Doctor in community	Doctor-Y	,	3352
7		Doctor-N	,	-2390
8	C-Distance kms to hospital	d<=3k	,	3593
9		d3-10k	,	40
10		d>10k	,	-1967
11	C-Pharmacist in community	phcistY	,	2209
12		phcistN	,	-2604
13	C-Pharmacy in community	Pharm-Y	,	1913
14		Pharm-N	,	-4637
15	C-Traditional healer in community	tradheY	,	972
16		tradheN	,	-1732
17	C-Traditional midwife in community	tradmidY	,	-455
18		tradmidN	,	1210
19	C-Trained midwife in community	traimidY	,	206
20		traimidN	,	-1079

### DOMAIN = Agriculture

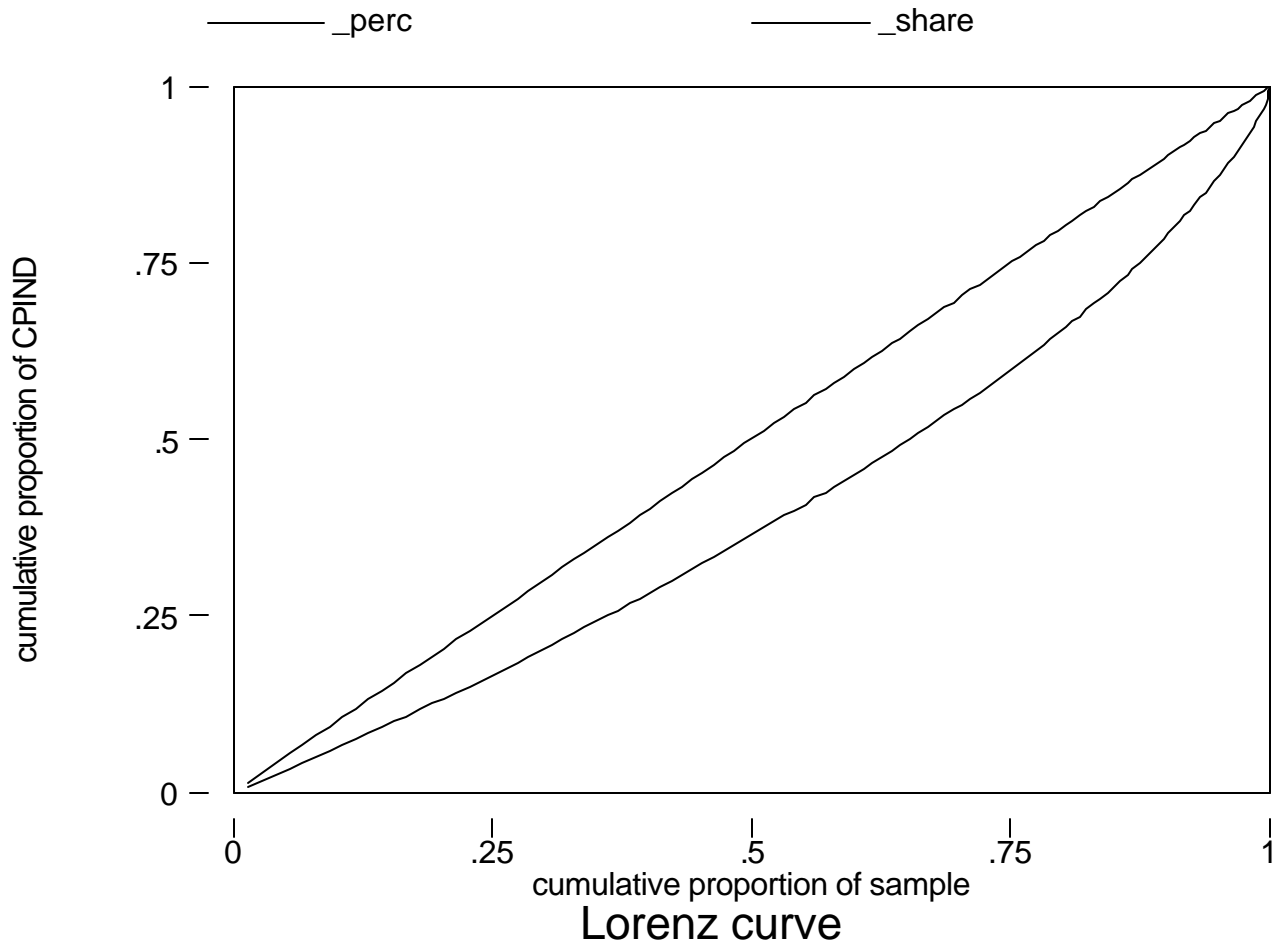
	VARNAME_	LEVEL	Value (0/1)	Weight
1	C-Is there an agric coop in the communit	AgricY	,	638
2		AgricN	,	-1134
3	C-Is there an agric ext center in the co	ExtY	,	3771
4		ExtN	,	-1310
5	C-Proportion of land quality 1	Land1=0	,	-2602
6		Land1<25	,	1431
7		Land1>25	,	4090
8	C-Proportion of land quality 7	Land7=0	,	643
9		land7<25	,	463
10		Land7>25	,	-3585

## **Appendice 5**

### **Indices d'inégalité multidimensionnelle**

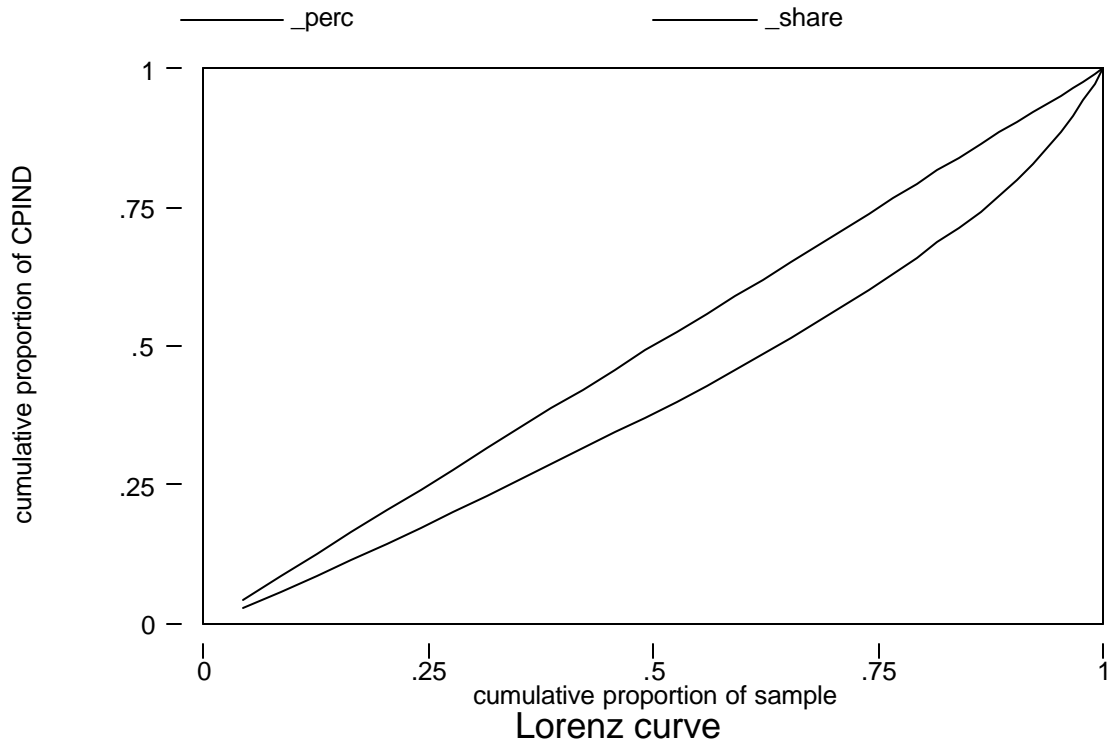
Output from STATA 7.0, package INEQUAL<sup>1</sup>

Graph 5.1 Lorenz curve Rural Vietnam Communes

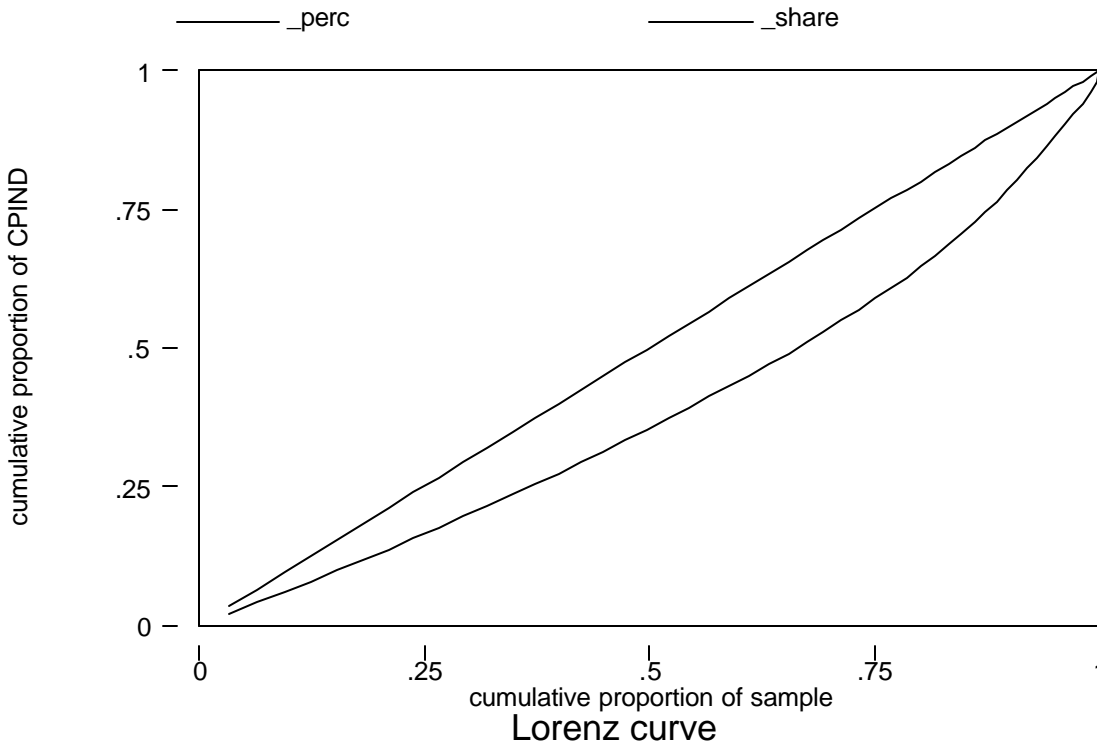


<sup>1</sup> Full extracts from the Log file are produced, so that the reader can see exactly which command has been used.

Graph 5.2 Lorenz curve Southern Vietnam Communes



Graph 5.3 Lorenz curve Northern Vietnam Communes





# INEQUALITY INDICES, NO DEMOGRAPHIC WEIGHT

## ALL RURAL COMMUNES

```
. inequal CPIND
```

```
inequality measures of CPIND
```

---

relative mean deviation	.1531104
coefficient of variation	.36701285
standard deviation of logs	.48716412
Gini coefficient	.20869541
Mehran measure	.32021582
Piesch measure	.1529352
Kakwani measure	.04463721
Theil entropy measure	.07444788
Theil mean log deviation measure	.09322898

---

## NORTHERN REGION

```
. inequal CPIND if REGION<3
```

```
inequality measures of CPIND
```

---

relative mean deviation	.16452245
coefficient of variation	.38179454
standard deviation of logs	.47355409
Gini coefficient	.21659881
Mehran measure	.32953252
Piesch measure	.16013194
Kakwani measure	.04669201
Theil entropy measure	.0776762
Theil mean log deviation measure	.09241558

---

## CENTRAL REGION

```
. inequal CPIND if REGION<6 & REGION>2
```

```
inequality measures of CPIND
```

---

relative mean deviation	.14947352
coefficient of variation	.38487863
standard deviation of logs	.58960337
Gini coefficient	.21165252
Mehran measure	.32655163
Piesch measure	.15420295
Kakwani measure	.05011845
Theil entropy measure	.084774
Theil mean log deviation measure	.11960289

---

## SOUTHERN REGION

. inequal CPIND if REGION>5

inequality measures of CPIND

---

relative mean deviation	.13862376
coefficient of variation	.33132926
standard deviation of logs	.3980379
Gini coefficient	.18505806
Mehran measure	.28955798
Piesch measure	.1328081
Kakwani measure	.03585963
Theil entropy measure	.05854832
Theil mean log deviation measure	.0676148

---

. lorenz CPIND

# INEQUALITY INDICES, WEIGHT: # HOUSEHOLDS

## ALL RURAL COMMUNES

```
. inequal CPIND [fw= S1Q04]
```

```
inequality measures of CPIND
```

---

relative mean deviation	.13509426
coefficient of variation	.3252411
standard deviation of logs	.4123663
Gini coefficient	.18479409
Mehran measure	.2846507
Piesch measure	.13486576
Kakwani measure	.03577681
Theil entropy measure	.05883481
Theil mean log deviation measure	.07077489

---

## NORTHERN REGION

```
. inequal CPIND if REGION<3 [fw= S1Q04]
```

```
inequality measures of CPIND
```

---

relative mean deviation	.12839965
coefficient of variation	.30433673
standard deviation of logs	.36925286
Gini coefficient	.1739491
Mehran measure	.26587567
Piesch measure	.12798581
Kakwani measure	.03095998
Theil entropy measure	.05071415
Theil mean log deviation measure	.05888592

---

## CENTRAL REGION

```
. inequal CPIND if REGION<6 & REGION>2 [fw= S1Q04]
```

```
inequality measures of CPIND
```

---

relative mean deviation	.12134593
coefficient of variation	.306475
standard deviation of logs	.44294788
Gini coefficient	.17553689
Mehran measure	.26292676
Piesch measure	.13184194
Kakwani measure	.03267932
Theil entropy measure	.05444637
Theil mean log deviation measure	.07250243

---

## SOUTHERN REGION

```
. inequal CPIND if REGION>5 [fw= S1Q04]
```

```
inequality measures of CPIND
```

---

relative mean deviation	.1454273
coefficient of variation	.34110567
standard deviation of logs	.41512565
Gini coefficient	.19220841
Mehran measure	.29114382
Piesch measure	.1427407
Kakwani measure	.0394341
Theil entropy measure	.06434994
Theil mean log deviation measure	.07512335

---

# INEQUALITY INDICES, WEIGHT: # INDIVIDUALS (POPULATION)

## ALL RURAL COMMUNES

```
. inequal CPIND [fw= S1Q01]
```

```
inequality measures of CPIND
```

```
-----  
relative mean deviation          .13857508  
coefficient of variation         .33255324  
standard deviation of logs      .42131143  
Gini coefficient                 .18884355  
Mehran measure                  .29061383  
Piesch measure                  .1379584  
Kakwani measure                 .03737538  
Theil entropy measure           .06148653  
Theil mean log deviation measure .07397301  
-----
```

## NORTHERN REGION

```
. inequal CPIND if REGION<3 [fw= S1Q01]
```

```
inequality measures of CPIND
```

```
-----  
relative mean deviation          .13995032  
coefficient of variation         .32477286  
standard deviation of logs      .39083004  
Gini coefficient                 .18633129  
Mehran measure                  .2820297  
Piesch measure                  .13848208  
Kakwani measure                 .03484566  
Theil entropy measure           .05730863  
Theil mean log deviation measure .0662675  
-----
```

## CENTRAL REGION

```
. inequal CPIND if REGION<6 & REGION>2 [fw= S1Q01]
```

```
inequality measures of CPIND
```

```
-----  
relative mean deviation          .12374636  
coefficient of variation         .31127703  
standard deviation of logs      .44930041  
Gini coefficient                 .17747784  
Mehran measure                  .26651732  
Piesch measure                  .13295809  
Kakwani measure                 .03367076  
Theil entropy measure           .05612927  
Theil mean log deviation measure .07471267  
-----
```

## SOUTHERN REGION

```
. inequal CPIND if REGION>5 [fw= S1Q01]
```

```
inequality measures of CPIND
```

```
-----  
relative mean deviation          .14543535  
coefficient of variation         .33982559  
standard deviation of logs      .41830112  
Gini coefficient                 .19042068  
Mehran measure                  .29040327  
Piesch measure                  .14042938  
Kakwani measure                 .03954641  
Theil entropy measure           .06438089  
Theil mean log deviation measure .07576537  
-----
```

## **Appendice 6**

### **Indices de pauvreté multidimensionnelle**

# Output from STATA 7.0, package POVDECO<sup>1</sup>

## POVERTY INDICES (FGT), NO DEMOGRAPHIC WEIGHT

### Poverty line 3176

```
. povdeco CPIND , by ( BIGREG) pl(3176)
```

```
Total number of observations = 120
Weighted total no. of observations = 120
Number of observations poor = 72
Weighted no. of obs poor = 72
Mean of CPIND amongst the poor = 2089.187
Mean of poverty gaps (poverty line - CPIND) amongst the poor = 1086.813
```

Foster-Greer-Thorbecke poverty indices, FGT(a)

All obs	a=0	a=1	a=2
	0.60000	0.20532	0.10072

```
FGT(0): headcount ratio (proportion poor)
FGT(1): average normalised poverty gap
FGT(2): average squared normalised poverty gap
```

Decompositions by subgroup

Summary statistics for subgroup k = 1,...,K

Regions	Pop. share	Mean	Mean poor	Mean gap poor
NORTH	0.42500	2817.01880	2040.16785	1135.83215
CENTRAL	0.28333	2649.17651	2103.97119	1072.02881
SOUTH	0.29167	2707.82544	2141.39209	1034.60779

Subgroup FGT index estimates, FGT(a)

Regions	a=0	a=1	a=2
NORTH	0.56863	0.20336	0.09932
CENTRAL	0.64706	0.21841	0.11275
SOUTH	0.60000	0.19545	0.09107

<sup>1</sup> Full extracts from the Log file are produced, so that the reader can see exactly which command has been used.



Subgroup poverty 'share',  $S_k = v_k.FGT_k(a)/FGT(a)$

---

Regions			
North			
Central			
South	a=0	a=1	a=2
NORTH	0.40278	0.42094	0.41908
CENTRAL	0.30556	0.30140	0.31719
SOUTH	0.29167	0.27766	0.26373

---

Subgroup poverty 'risk' =  $FGT_k(a)/FGT(a) = S_k/v_k$

---

Regions			
North			
Central			
South	a=0	a=1	a=2
NORTH	0.94771	0.99046	0.98608
CENTRAL	1.07843	1.06376	1.11949
SOUTH	1.00000	0.95196	0.90422

---

# POVERTY INDICES (FGT), NO DEMOGRAPHIC WEIGHT

## Poverty line 2282

. povdeco CPIND , by ( BIGREG) **pl(2282)**

Total number of observations = 120  
 Weighted total no. of observations = 120  
 Number of observations poor = 41  
 Weighted no. of obs poor = 41  
 Mean of CPIND amongst the poor = 1580.444  
 Mean of poverty gaps (poverty line - CPIND) amongst the poor = 701.556

Foster-Greer-Thorbecke poverty indices, FGT(a)

All obs	a=0	a=1	a=2
	0.34167	0.10504	0.04864

FGT(0): headcount ratio (proportion poor)  
 FGT(1): average normalised poverty gap  
 FGT(2): average squared normalised poverty gap

Decompositions by subgroup

Summary statistics for subgroup k = 1, ..., K

Regions	Pop. share	Mean	Mean poor	Mean gap poor
NORTH	0.42500	2817.01880	1626.35779	655.64227
CENTRAL	0.28333	2649.17651	1562.36780	719.63208
SOUTH	0.29167	2707.82544	1514.89978	767.10010

Subgroup FGT index estimates, FGT(a)

Regions	a=0	a=1	a=2
NORTH	0.37255	0.10704	0.04421
CENTRAL	0.35294	0.11130	0.06411
SOUTH	0.28571	0.09604	0.04007

Subgroup poverty 'share',  $S_k = v_k.FGT_k(a)/FGT(a)$

Regions
North

Central			
South		a=0	a=1
			a=2
NORTH		0.46341	0.43309
CENTRAL		0.29268	0.30022
SOUTH		0.24390	0.26669

Subgroup poverty 'risk' =  $FGT_k(a)/FGT(a) = S_k/v_k$

Regions			
North			
Central			
South		a=0	a=1
			a=2
NORTH		1.09039	1.01903
CENTRAL		1.03300	1.05961
SOUTH		0.83624	0.91436

# POVERTY INDICES (FGT), WEIGHT: # INDIVIDUALS (POPULATION)

## Poverty line 3318

. povdeco CPIND [fw= S1Q01] , by ( BIGREG) pl(3318)

Total number of observations = 120  
 Weighted total no. of observations = 1043520  
 Number of observations poor = 82  
 Weighted no. of obs poor = 626298  
 Mean of CPIND amongst the poor = 2305.867  
 Mean of poverty gaps (poverty line - CPIND) amongst the poor = 1012.133

Foster-Greer-Thorbecke poverty indices, FGT(a)

All obs	a=0	a=1	a=2
	0.60018	0.18308	0.08632

FGT(0): headcount ratio (proportion poor)  
 FGT(1): average normalised poverty gap  
 FGT(2): average squared normalised poverty gap

Decompositions by subgroup

Summary statistics for subgroup k = 1,...,K

Regions	Pop. share	Mean	Mean poor	Mean gap poor
NORTH	0.33711	3050.76440	2292.89453	1025.10547
CENTRAL	0.23535	3059.55420	2531.40796	786.59198
SOUTH	0.42754	2717.91797	2183.73291	1134.26697

Subgroup FGT index estimates, FGT(a)

Regions	a=0	a=1	a=2
NORTH	0.54165	0.16735	0.07395
CENTRAL	0.65224	0.15463	0.06877
SOUTH	0.61766	0.21115	0.10575

Subgroup poverty 'share',  $S_k = v_k.FGT_k(a)/FGT(a)$

Regions |

North			
Central			
South	a=0	a=1	a=2
NORTH	0.30424	0.30813	0.28877
CENTRAL	0.25577	0.19877	0.18749
SOUTH	0.44000	0.49309	0.52374

Subgroup poverty 'risk' =  $FGT_k(a)/FGT(a) = S_k/v_k$

Regions			
North			
Central			
South	a=0	a=1	a=2
NORTH	0.90249	0.91406	0.85663
CENTRAL	1.08674	0.84458	0.79664
SOUTH	1.02914	1.15332	1.22499

# POVERTY INDICES (FGT), WEIGHT: # INDIVIDUALS (POPULATION)

## Poverty line 2282

. povdeco CPIND [fw= S1Q01] , by ( BIGREG) **p1(2282)**

Total number of observations = 120  
 Weighted total no. of observations = 1043520  
 Number of observations poor = 41  
 Weighted no. of obs poor = 280269  
 Mean of CPIND amongst the poor = 1597.013  
 Mean of poverty gaps (poverty line - CPIND) amongst the poor = 684.987

Foster-Greer-Thorbecke poverty indices, FGT(a)

All obs	a=0	a=1	a=2
	0.26858	0.08062	0.03513

FGT(0): headcount ratio (proportion poor)  
 FGT(1): average normalised poverty gap  
 FGT(2): average squared normalised poverty gap

Decompositions by subgroup

Summary statistics for subgroup k = 1,...,K

Regions	Pop. share	Mean	Mean poor	Mean gap poor
NORTH	0.33711	3050.76440	1790.05237	491.94754
CENTRAL	0.23535	3059.55420	1647.62097	634.37909
SOUTH	0.42754	2717.91797	1406.98962	875.01025

Subgroup FGT index estimates, FGT(a)

Regions	a=0	a=1	a=2
NORTH	0.30275	0.06527	0.02381
CENTRAL	0.21085	0.05861	0.03016
SOUTH	0.27342	0.10484	0.04680

Subgroup poverty 'share',  $S_k = v_k.FGT_k(a)/FGT(a)$

Regions |

North			
Central			
South		a=0	a=1
		a=2	
NORTH		0.38000	0.27291
CENTRAL		0.18476	0.17111
SOUTH		0.43524	0.55598

Subgroup poverty 'risk' =  $FGT_k(a)/FGT(a) = S_k/v_k$

Regions			
North			
Central			
South		a=0	a=1
		a=2	
NORTH		1.12724	0.80956
CENTRAL		0.78505	0.72705
SOUTH		1.01800	1.30041

# POVERTY INDICES (FGT), WEIGHT: # HOUSEHOLDS

## Poverty line 3321

. povdeco CPIND [fw= S1Q04] , by ( BIGREG) pl(3321)

Total number of observations = 120  
 Weighted total no. of observations = 204088  
 Number of observations poor = 84  
 Weighted no. of obs poor = 126077  
 Mean of CPIND amongst the poor = 2384.168  
 Mean of poverty gaps (poverty line - CPIND) amongst the poor = 936.832

Foster-Greer-Thorbecke poverty indices, FGT(a)

All obs	a=0	a=1	a=2
	0.61776	0.17427	0.08044

FGT(0): headcount ratio (proportion poor)  
 FGT(1): average normalised poverty gap  
 FGT(2): average squared normalised poverty gap

Decompositions by subgroup

Summary statistics for subgroup k = 1,...,K

Regions	Pop. share	Mean	Mean poor	Mean gap poor
NORTH	0.38214	3133.01929	2366.46851	954.53156
CENTRAL	0.23515	3106.21313	2571.24146	749.75854
SOUTH	0.38271	2700.18066	2290.23730	1030.76282

Subgroup FGT index estimates, FGT(a)

Regions	a=0	a=1	a=2
NORTH	0.51341	0.14756	0.06322
CENTRAL	0.65181	0.14715	0.06487
SOUTH	0.70103	0.21759	0.10720

Subgroup poverty 'share',  $S_k = v_k.FGT_k(a)/FGT(a)$

Regions |



North			
Central			
South		a=0	a=1
		a=2	
NORTH		0.31759	0.32359
CENTRAL		0.24811	0.19857
SOUTH		0.43430	0.47784

Subgroup poverty 'risk' =  $FGT_k(a)/FGT(a) = S_k/v_k$

Regions			
North			
Central			
South		a=0	a=1
		a=2	
NORTH		0.83108	0.84678
CENTRAL		1.05512	0.84443
SOUTH		1.13480	1.24858

# POVERTY INDICES (FGT), WEIGHT: # HOUSEHOLDS

## Poverty line 2282

. povdeco CPIND [fw= S1Q04] , by ( BIGREG) pl(2282)

Total number of observations = 120  
 Weighted total no. of observations = 204088  
 Number of observations poor = 41  
 Weighted no. of obs poor = 51575  
 Mean of CPIND amongst the poor = 1617.263  
 Mean of poverty gaps (poverty line - CPIND) amongst the poor = 664.737

Foster-Greer-Thorbecke poverty indices, FGT(a)

All obs	a=0	a=1	a=2
	0.25271	0.07361	0.03175

FGT(0): headcount ratio (proportion poor)  
 FGT(1): average normalised poverty gap  
 FGT(2): average squared normalised poverty gap

Decompositions by subgroup

Summary statistics for subgroup k = 1,...,K

Regions	Pop. share	Mean	Mean poor	Mean gap poor
NORTH	0.38214	3133.01929	1806.16345	475.83661
CENTRAL	0.23515	3106.21313	1658.12451	623.87555
SOUTH	0.38271	2700.18066	1421.48279	860.51727

Subgroup FGT index estimates, FGT(a)

Regions	a=0	a=1	a=2
NORTH	0.26076	0.05437	0.01945
CENTRAL	0.20025	0.05475	0.02814
SOUTH	0.27691	0.10442	0.04624

Subgroup poverty 'share',  $S_k = v_k.FGT_k(a)/FGT(a)$

Regions |

North			
Central			
South	a=0	a=1	a=2
NORTH	0.39432	0.28226	0.23411
CENTRAL	0.18633	0.17488	0.20845
SOUTH	0.41935	0.54286	0.55744

Subgroup poverty 'risk' =  $FGT_k(a)/FGT(a) = S_k/v_k$

Regions			
North			
Central			
South	a=0	a=1	a=2
NORTH	1.03186	0.73863	0.61262
CENTRAL	0.79240	0.74369	0.88648
SOUTH	1.09575	1.41847	1.45656

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