# UNIVERSITY OF SWAZILAND



## **SUPPLEMENTARY EXAMINATION PAPER 2012**

TITLE OF PAPER: STATISTICAL DATA PROCESSING

COURSE CODE : ST 206

TIME ALLOWED : TWO (2) HOURS

INSTRUCTIONS : ANSWER ANY THREE QUESTIONS.

#### **Question 1**

a) Was the use of a pre-coded questionnaire justified for this study?

(10 Marks)

b) How do you think the coding process was carried out for this study?

(10 Marks)

### **Question 2**

c) Summarize procedures for detecting errors and omissions from survey data. How can these errors be corrected.

(7 Marks)

- d) What is the purpose of editing? Provide two examples of questions that might need editing.
  (8 Marks)
- e) When should the raw data from a respondent be altered by a data editor?

(5 Marks)

### **Question 3**

a) Compare and contrast a coding scheme and code book.

(8 Marks)

b) In APPENDIX A, you will find a section of the household questionnaire used for the 2010 Swaziland Multiple Indicator Cluster Survey (MICS). Design a code book for this questionnaire.

(12 Marks)

#### **Question 4**

Recommend and describe four appropriate *deterministic imputation methods* to an agency that wants to do a national household survey in Swaziland.

(20 Marks)

FIRST, PLEASE TELL ME THE HAME OF EACH PERSON WHO USUALLY LYCE HERE, STARTING WITH THE NEAD OF THE HOUSE 4CLC.

List the head of the house hold in line 01. List all household members (HL2), their relationship to the household head (HL3), and their sen (HL4). Then ask. ARE THERE ANY OTHERS VMO LIVE HERE, EVENT THEY ARE NOT AT HOME NOW?

If yes, complete listing for questions HL2-HL4. Then, ask questions starting with HL5 for each person at a time.

Lise on additional questionnaire if all rows in the household listing form have been used.

Par Par politing seek age age F\sr children age 5-14 For children Gage house-under age 5 18-59 years hold members For children age 0-17 years

HLA.		HL3. WHAT IS I-E RELAT ON- HIP OF HIP OF HOUSE HOUSE	HI IB (nra MALE FEWAI 1 Mai 2 Fern	e Se Se Se Se Se Se Se Se Se Se Se Se Se	95 DK	HLS.  IT IS (nume 's) E OF BERT -1?  PROPERT -1  DK	HL6. HowoLoss (name)? Record in completed yeers. If age is 95 or above, record '95'	HLZ: Circle - Aurole Aurole E women is aga 18-48	Chole Line number If man 14-45	HL8. WHO IS THE WOTHER OFFICIAL STATES PRIVARY CARE-TAKES OFFILIS REGORD STRUMBER OFFICIAL STATES THOMES THOMES OFFICIAL STATES TO THOMES OFFICIAL STATES OFFI	HL9. WHOTE THE WOTHEROR PRIMARY CARE TAKER OF THE CHILC? Record line number of motheri cere laker	BEEN VERY SICK FOR AT LEAST 3 MONTHS DURING THE PAST 12 MONTHS?	HL10. DID (nome) STAY HERE LAST NIGHT?	HL11. IS INDIPE YOU NATURAL MOTHER ALIVE?  1 Yes 2 Nos HL13 6 DKs HL13	HL12. DOES (nome's) NATURAL NOTHER HIS HOUSE-HOLD? RECORD (ine) number of 00 fm 'inu'	HL12A. If mother does not live in nouse-hold HAS (HIMME'S) MOTHER BEEN VERY SICK FOR AT LEAST 3 MONTHS IT 12 MONTHS?	HL13. is (none a) NATURAL FATHER ALIVE?  1 Yes 2 Non Next Line 8 DKn Next Line	HL14, DOES (nome's) NATURAL FA**HER HIS HOUSE-HOLD? Record line rumber of fefter or CO for 'ou'	HL14A, if father does not live in Acuse-hold HAS (name 'A) FATHER SICK FOR ATLEAST 3 MONTHS N THE PAST 12 MONTHS?
Une	Name	Relation*	M		Month	Year	Age	15-49	15-59	Mother	Hother	Y N DR	YN	Y N DK	Mather	Y. N. DK	YHDK	Father	Y N 05
C1		0 1	1	2				01	01			1 2 8	1 2	128		1 2 8	1 2 8		128
02			1	2				02	œ			1 2 8	1 2	128		128	128		128
Ca.			1	2				. 03 <sub>10</sub>	D3			1 2 8	1 2	128		1 2 8	1 2 8		128
04			1	2				04	<b>Q4</b>			128	1 2	128		1 2 8	128		1 2 8
<b>05</b>			1	2				06	. os .			1 2 8	1 2	128		128	1 2 8		128
Q#			1	2				06	06			1 2 8	1 2	128		1 2 8	1 2 8		128
07			1	2				07	. 07			1 2 8	1 2	128		1 2 6	1 2 8		128
CO			1	2				08	œ			1 2 8	1 2	128		1 2 8	128		128
, <b>00</b>			1	2				OR .	8			1 2 8	1 2	128		1 2 5	128		1 2 8
10			1	2				10	10			1 2 8	1 2	126		1 2 8	1 2 8		128

Page 3 of 3