

**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)

For women age 15-49	For men age 15-39	For children age 5-14	For children under age 5	If age 18-59 years	For all household members	For children age 0-17 years
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HL1. Line #	HL2. Name	HL3. WHAT IS THE RELATIONSHIP OF (name) TO THE HEAD OF HOUSEHOLD?	HL4. Is (name) MALE OR FEMALE?	HL5. WHAT IS (name's) DATE OF BIRTH?	HL6. HOW OLD IS (name)?	HL7. Circle the number if woman 15-49	HL7A. Circle the number if man 15-59	HL8. WHO IS THE MOTHER OR PRIMARY CARE-TAKER OF THIS CHILD?	HL9. WHO IS THE MOTHER OR PRIMARY CARE-TAKER OF THIS CHILD?	HL9A. HAS (name) BEEN VERY SICK FOR AT LEAST 3 MONTHS DURING THE PAST 12 MONTHS?	HL10. DID (name) STAY HERE LAST NIGHT?	HL11. Is (name's) NATURAL MOTHER ALIVE?	HL12. DOES (name's) NATURAL MOTHER LIVE IN THIS HOUSEHOLD?	HL12A. If mother does not live in household HAS (name's) MOTHER BEEN VERY SICK FOR AT LEAST 3 MONTHS IN THE PAST 12 MONTHS?	HL13. Is (name's) NATURAL FATHER ALIVE?	HL14. DOES (name's) NATURAL FATHER LIVE IN THIS HOUSEHOLD?	HL14A. If father does not live in household HAS (name's) FATHER BEEN VERY SICK FOR AT LEAST 3 MONTHS IN THE PAST 12 MONTHS?								
Line	Name	Relation*	M	F	Month	Year	Age	15-49	15-59	Mother	Mother	Y	N	DK	Y	N	DK	Mother	Y	N	DK	Father	Y	N	DK
01		0 1	1	2	---	---	---	01	01	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
02		---	1	2	---	---	---	02	02	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
03		---	1	2	---	---	---	03	03	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
04		---	1	2	---	---	---	04	04	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
05		---	1	2	---	---	---	05	05	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
06		---	1	2	---	---	---	06	06	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
07		---	1	2	---	---	---	07	07	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
08		---	1	2	---	---	---	08	08	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
09		---	1	2	---	---	---	09	09	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	
10		---	1	2	---	---	---	10	10	---	---	1 2 8	1 2	1 2 8	---	1 2 8	1 2 8	---	1 2 8	1 2 8	---	1 2 8	---	1 2 8	

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