

**NATIONAL UNIVERSITY OF LESOTHO
DEPARTMENT OF SOCIOLOGY & SOCIAL WORK
BA SUPPLEMENTARY EXAMINATIONS**

**SOC3301-11A: INTRODUCTION TO SOCIAL RESEARCH METHODS II:
DATA ANALYSIS**

AUGUST, 2023 MARKS: 75 Time: 2 HRS: 30 Minutes

**INSTRUCTIONS: ANSWER ANY THREE QUESTIONS
EACH QUESTION CARRIES 25 MARKS**

1. Table 1 below shows the different types of livestock and their numbers in 2000/2001 in Lesotho. Work out the percentage contributions of each district for each type of livestock. Draw your conclusions based on the percentages and indicate which district has which of the livestock units in abundance and which has the least.

Table 1: Lesotho: Livestock Numbers in 2000/2001

District	Cattle	Sheep	Goats	Horses	Donkeys
Butha-Buthe	39 065	59 945	41 645	4 325	11 510
Leribe	129 875	108 450	119 500	16 625	30 750
Berea	86 625	60 250	37 875	5 625	26 250
Maseru	128 125	153 700	88 875	16 875	28 250
Mafeteng	79 894	138 564	55 938	6 313	22 688
Mohale's Hoek	55 750	86 645	150 750	10 125	17 375
Quthing	43 500	99 375	96 125	6 750	7 625
Qacha'sNek	22 675	52 200	14 800	3 975	7 625
Mokhotlong	43 875	165 125	72 250	8 875	11 000
Thaba-Tseka	80 500	192 375	152 500	17 250	20 000
Lesotho	709 884	1 116 629	830 258	96 738	179 948

Source: Bureau of Statistics, Maseru

2. Compute the measures of central tendency of the hypothetical test scores below in the Research Methods course at your University. Based on the scores, compare the two tests and state your conclusions about this course.

Test One	Test Two
56	72
68	63
72	72
73	82

56	72
60	68
71	85
73	80
60	71
74	67
75	60
74	75
60	76
72	55

3. For a selected problem, state the main objective and at least five specific objectives. Design a questionnaire using the stated objectives and construct a codebook.

4. Below are data compiled from Roma police records. The records are on livestock theft from September 2008 to August 2010.
 - a) Examine the descriptive statistics and interpret them.
 - b) Indicate which of the livestock have been mostly recorded as stolen.

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
cattle reported stolen	13	1.00	17.00	7.1538	4.82780
horses reported stolen	9	1.00	4.00	1.8889	1.16667
mules reported stolen	2	1.00	2.00	1.5000	.70711
donkeys reported stolen	10	1.00	9.00	2.9000	2.55821
sheep reported stolen	10	2.00	47.00	18.0000	16.79947
goats reported stolen	6	1.00	35.00	14.0000	12.21475
pigs reported stolen	3	1.00	2.00	1.3333	.57735
Valid N (listwise)	0				

5. Interpret the statistics below, indicating yearly reported stolen livestock according to Roma Police records

Reported Livestock Theft Within Roma Police Jurisdiction By Month And Year, 2008-2010

Year	Month	Cattle	Horses	Mules	Donkey	Sheep	Goats	Pigs	Total
2008	Sep	17	1	-	2	-	-	-	20
	Oct	-	1	-	4	16	18	1	40
	Nov	2	-	-	1	5	16	-	24
	Dec	1	-	-	-	47	-	-	48
Total		20	2	-	7	68	34	1	132
2009	Jan	13	-	-	1	-	-	1	14
	Feb	4	3	1	2	-	-	-	9
	March	6	2	-	-	29	35	2	76
	April	6	1	2	1	15	-		22
	May	10	-	-	1	-	-		13
	Jun	3	1	-	-	12	-		16
	Dec	3	1	-	-	2	-		6
Total		45	3	3	4	58	35	3	156
2010	Jan	4	1		3	-	4	-	12
	Feb	8	-		1	4			13
	March	-	-		-	10			10
	April	6	-		5	10			21
	July	-	3		-	-	1		4
	Aug	13	-	-	-	22	5	-	40
Total		31	4	-	9	46	10	-	100