

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
FIRST YEAR SECOND SEMESTER EXAMINATION - 2019
AHSBS1211 BASIC STATISTICS

Date:29.01.2022

Time:02 Hours

ANSWER ALL 02 QUESTIONS

1. Recorded research of 10 participants are given in the table 1.

Table 1.

Patient.ID	Age in years	Ethicality	Body Temperature (F)	Use of face mask	Income level
1	12	T	100	no	1
2	45	E	98	yes	2
3	65	E	99	no	2
4	70	S	98	yes	1
5	60	S	100	no	2
6	75	S	101	no	2
7	60	T	99	no	2
8	80	S	100	no	2
9	85	T	102	no	1
10	5	S	98	yes	2

T=Tamil, E=English, S=Singala,

- 1.1 Name type of scale used to measure each variable. (20 Marks)
1.2 Calculate the central tendency of each variable. (30 Marks)
1.3 Calculate the variation/dispersion for suitable variable. (30 Marks)
1.4 Draw the appropriate graph for the variable ethnicity. (20 Marks)

2.

A hospital pharmacist record the temperature (Celsius) of refrigerator for 30 days which is given below:

4	3	7	8	6	3
5	7	2	10	1	5
-2	6	5	5	2	9
2	5	5	4	4	5
3	4	5	7	8	9

- 2.1 Write the type of scale was used to measure the variable. (10 Marks)
- 2.2 What is the most suitable statistic for the data? (10 Marks)
- 2.3 Describe the result in a meaningful method. (30 Marks)
- 2.4 Draw stem and leaf plot for the data. (50 Marks)