

HOME ASSIGNMENT

3rd Semester (Honours)

Subject: Economics

Paper: ECO-HC-3036: Statistical Methods for Economics

Full Marks: 30

Last Date of Submission: 1st September, 2023

1. Why median is termed as a positional average? 1
2. Write few properties of a Good Average.

Or, 3

Write few properties of Arithmetic Mean.

3. Calculate the arithmetic mean from the following data: 5

Marks	20	30	40	50	60	70
No of Students	8	12	20	10	6	4

4. Calculate the median for the following frequency distribution: 5

Marks	5-10	10-15	20-25	15-20	25-30	30-35	35-40	40-45	45-50
No of Students	7	15	31	24	42	30	26	15	10

5. Calculate the mode value from the following data through grouping table and analysis table: 6

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
No of Students	3	5	7	10	12	15	12	6	2	8

6. From the prices of sugar and tea below, find out which is more stable in value: 5

X	55	54	52	53	56	58	52	50	51	49
Y	108	107	105	105	106	107	104	103	104	101

7. Two brands of tyres are tested with the following results: (3+3)=6

Life (in '000 miles)	Brand of Tyres	
	X	Y
20-25	1	0
25-30	22	24
30-35	64	76
35-40	10	0
40-45	3	0

- (a) Which brand of tyres has greater average life?
- (b) Compare the variability and state which brand of tyres would you use on your feet of cars?