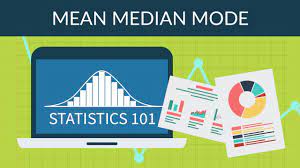
ASSIGNMENT : STATISTICS

TOPIC : Mean, Median, Mode, Quartiles.



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Major: BSCS

Section: A

Roll No: 2025110113

Submitted To: Mam Sharq

QUESTION NO: 01

The following data relates to the size of the shoes sod at a store during a given week .Find median of shoes .Also calculate quartiles.

|  |  |
| --- | --- |
| X | F |
| 5.0 | 2 |
| 5.5 | 5 |
| 6.0 | 15 |
| 6.5 | 30 |
| 7.0 | 60 |
| 7.5 | 40 |
| 8.0 | 23 |
| 8.5 | 11 |
| 9.0 | 4 |
| 9.5 | 1 |

Procedure

Step 1;

* Open spss
* Define Two Variables as X and F

In X Numeric width Decimal=1 Label=size of shoes Value =None Missing=None Column=8 Align =Right Measure =scale Role =Input.

Align

* In ‘f’ Numeric width=8 Decimal=0 Label=None Value =None Missing=None Column=8 Align =Right Measure =scale Role =Input.

Step 2;

* Data Weight case Weight case by f Ok.

Step 3;

* Analyze Descriptive Statistics Frequencies Select X

Statistics click median quartile Continue Ok.

Output;

|  |  |  |
| --- | --- | --- |
| N | VALID MISSING | 191 |
|  |  | 0 |
| MEDIAN |  | 7000 |
| PERCETIES | 25 | 6500 |
|  | 50 | 7000 |
|  | 75 | 7500 |

Question No:2;

Estimate graphically by formula the median and quartile of the following distribution.

|  |  |
| --- | --- |
| Age Of Head(25) | No .Of Household |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
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