PATAN MULTIPLE CAMPUS

Practical No. 1: Descriptive Statistics

Roll No. 1/080 Date: 2081 – 05 - 19

Program: BIT Semester: 2nd

Subject: Basic Statistics Section: B

Question: Find no. of observation, minimum value, maximum value, mean, median, quartiles, range, interquartile range, quartile deviation, coefficient of variation, skewness, kurtosis and outlier value of the following observations: 25, 3, 15, 20, 19, 20, 16, 15, 10, 10, 15, 25, 20, 16, 16, 15, 10, 8.

Working Expression: [By hand written]

Calculation: [By using software]

(i) Data

(ii) Syntex

(iii) Output

Rrsults: [By hand written]

Descriptive Statistics:

1. Find no. of observation, minimum value, maximum value, mean, median, quartiles, range, interquartile range, quartile deviation, coefficient of variation, skewness, kurtosis and outlier value of the following observations: 25, 3, 15, 20, 19, 20, 16, 15, 10, 10, 15, 25, 20, 16, 16, 15, 10, 8.

2. Find mean, median, mode, range, standard deviation, variance, skewness and kurtosis of the foolowing observations: 400, 200, 225, 550, 400, 600, 400, 500.

3. Find no. of observation, minimum value, maximum value, mean, median, mode, range. (b) Find quartile, quartile deviation, inter-quartile range, standard deviation, variance, and coefficients of variation.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 61 | 55 | 18 | 90 | 32 | 27 | 85 | 26 | 75 |
| 62 | 3 | 7 | 81 | 20 | 42 | 68 | 36 | 10 |

4. Find no. of observation, minimum value, maximum value, mean, median, quartiles, range, interquartile range, quartile deviation, coefficient of variation, skewness, kurtosis and outlier value of the following observations

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Age |  |  |  |  |  |  |  |  |
| Height |  |  |  |  |  |  |  |  |
| Weight |  |  |  |  |  |  |  |  |
| GPA |  |  |  |  |  |  |  |  |
| Expenditure |  |  |  |  |  |  |  |  |