**PATAN MULTIPLE CAMPUS**

Practical – 3 Descriptive Statistics

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| --- | --- |
| Roll No.: 23 | Date: 2081-05-30 |
| Program: BIT | Semester: 2nd |
| Subject: Basic Statistics | Section: A |

**Question**: Find (a) no. of observation, minimum value, maximum value, mean, median, mode, and 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 |

**Working Expressions:**

**Calculation**:

1. **Data**

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

1. **Syntax**
2. DATASET ACTIVATE DataSet0.

FREQUENCIES VARIABLES=x y

/STATISTICS=RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE

/ORDER=ANALYSIS.

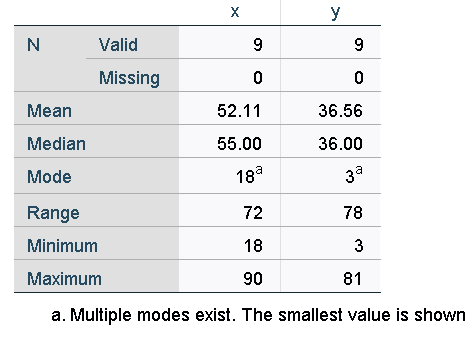
1. FREQUENCIES VARIABLES=x y

/NTILES=4

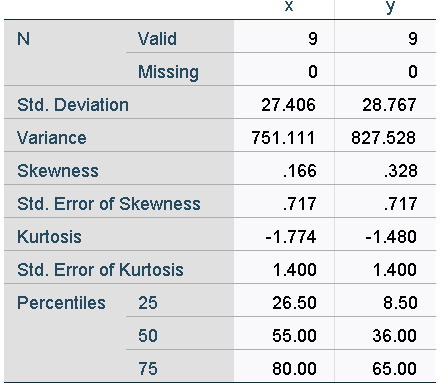
/STATISTICS=STDDEV VARIANCE SKEWNESS SESKEW KURTOSIS SEKURT

/ORDER=ANALYSIS.

1. **Output**

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