

## **PATAN MULTIPLE CAMPUS**

### **Practical – 2 Descriptive Statistics**

Roll No.: 23  
Program: BIT  
Subject: Basic Statistics

Date: 2081-05-30  
Semester: 2<sup>nd</sup>  
Section: A

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

**Working Expressions:**

## Calculation:

### i. Data

400, 200, 225, 550, 400, 600, 400, 500

### ii. Syntax

FREQUENCIES VARIABLES=x

/NTILES=4

/STATISTICS=STDDEV VARIANCE RANGE MEAN MEDIAN SKEWNESS  
SESKEW KURTOSIS SEKURT

/ORDER=ANALYSIS.

### iii. Output

x

N	Valid	8
	Missing	0
Mean		409.38
Median		400.00
Std. Deviation		142.639
Variance		20345.982
Skewness		-.328
Std. Error of Skewness		.752
Kurtosis		-.878
Std. Error of Kurtosis		1.481
Range		400
Percentiles	25	268.75
	50	400.00
	75	537.50