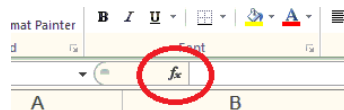


## Practice 2

# Descriptive Characteristics in Excel

	A	B	C	D
1		<b>A</b>	<b>B</b>	<b>C</b>
2		5	1.5	25.8
3		4	1.8	32.6
4		7	2	20.1
5		5	1.6	22.9
6		7	1.6	29.3
7		6	1.5	35.6
8		6	2.1	36.4
9		4	1.9	20.2
10		5	1.8	28.6
11		7	1.8	27.1
12		8	2	21.5
13		4	2	26.9
14		4	1.6	30.4
15		5	1.5	28.1
16		6	1.7	31.5
17		5	1.9	29.8
18		5	1.9	22.1
19		7	2	23.6
20		8	1.6	30.9
21		4	1.6	28.4
22	<b>AVG</b>			
23	<b>SD</b>			
24	<b>Variance</b>			
25	<b>Coef. of variab.</b>			
26	<b>SEM</b>			
27	<b>Median</b>			

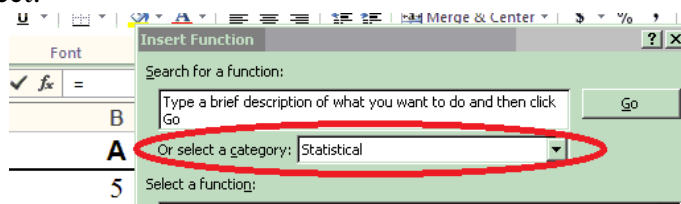
Calculation of basic statistical parameters is available through the option  $f(x)$ -**Insert function**:



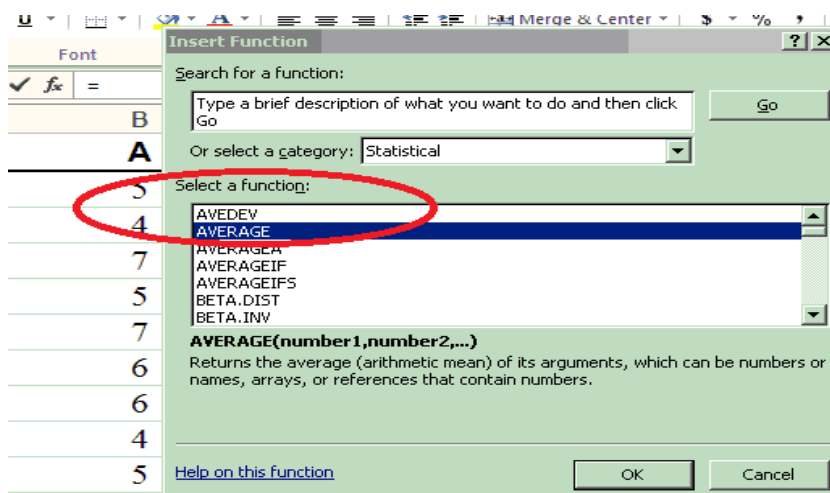
In the following dialogue, select:

- 1) **category - Statistical**:

and



- 2) **function** – according to required parameters (AVERAGE, MEDIAN, STDEVS...):



***Calculation of:***

**Average - AVG:**

Cell B22: **Insert Function**(fx) – **Statistical** – **AVERAGE** (In Number1: mark cells B2:B21)

**Standard deviation – SD** (sample):

Cell B23: **Insert Function**(fx) – **Statistical** – **STDEV.S** (In Number1: mark cells B2:B21)

**Variance – SD<sup>2</sup>** (sample):

Cell B24: a) **Insert Function**(fx) – **Statistical** – **VAR.S** (In Number1: mark cells B2:B21)

b) Create a formula: **=B23\*B23**

**Coefficient of variability – V=SD/AVG\*100:**

Cell B25: Create a formula: **=B23/B22\*100**

**Standard error of mean – SEM=SD/√n:**

Cell B26: Create a formula: **=B23/SQRT(20)**

**Median:**

Cell B27: **Insert Function**(fx) – **Statistical** – **MEDIAN** (In Number1: mark cells B2:B21)