

## Exercise Series No 1

### Exercise 1

Specify the nature of the statistical variable:

- |  |   |
|--|---|
| <p>❶ Place of residence</p> <p>❷ Sex</p> <p>❸ Size</p> <p>❹ Age</p> <p>❺ Blood group</p> | <p>❻ Eye color</p> <p>❼ The level of obesity</p> <p>❽ Number of white blood cells</p> <p>❾ Number of languages spoken</p> |
|--|---|

### Exercise 2

The following data specify the haemoglobin level in the blood (by class, in g/l) measured in 70 presumed healthy men. :

Classes	[105;115[	[115;125[	[125;135[	[135;145[	[145;155[	[155;165[	[165;175[	[175;185[
$n_i$	0	0	3	4	18	19	12	14

- ❶ Determine the population, the character studied and give its nature.
- ❷ Complete the table with the cumulative absolute frequency  $n_i^c$  ↑, relative frequency  $f_i$  and cumulative relative frequency  $f_i^c$  ↑.
- ❸ Represent the statistical series graphically.
- ❹ Calculate mode, mean and median.
- ❺ Calculate the range, variance, standard deviation and coefficient of variation.