

Name, Surname:

Group:

Faculty:

Homework 1. Extra points for the exam mark: 0.2 pct.

****Deadline:**** The deadline for the first homework assignment is November 3rd. To simulate the environment of the theoretical exam—where you must calculate your answers on paper using a calculator and [Formula sheet](#)—please print this file and complete the assignment by hand. Once finished, you can submit your final answers in the quiz.

****Marking:**** If your score for this homework will be between 5 and 10, you will receive a 0.2 increase to your exam mark.

****Objective:**** This assignment is designed to help you prepare for the theoretical exam.

****Request:**** Work independently, as you will during the exam. The mark for this homework is not the most important aspect, so try to relax as you complete it. Focus your attention and concentration on the task, as this will assist you in passing the theoretical exam. The questions will be similar.

Scenario: The aim of this study was to investigate differences between the length and size of the upper airway in patients with mandibular dental class II malocclusion with those with normal occlusion. The following data were collected (Id_patient is not a variable):

Id_patient	Deviation from septum	Gender	Age (year)	Septal body thickness contralateral (micrometer)	Septal body thickness ipsilateral (micrometer)	Septal deviation
1	Yes	M	88	53	64	Mild
2	Yes	M	62	31	69	Mild
3	Yes	F	51	65	67	Mild
4	Yes	M	64	4	69	Moderate
5	Yes	F	70	38	68	Moderate
6	Yes	M	60	42	65	Severe
7	Yes	M	80	48	65	Moderate
8	Yes	M	91	75	64	Mild
9	No	F	74	56	64	None
10	No	M	80	55	67	None

All lectures are in Teams in Files section of the discipline channel

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1. Complete the following table with the type of the variables:

	Variable type
Deviation from septum	
Gender	
Age (year)	
Septal body thickness contralateral (mm)	
Septal body thickness ipsilateral (mm)	
Septal deviation	

2. Calculate for the dichotomial variables: Absolute frequencies and Relative frequencies in the following table. Put the formula also:

Variable name:	Absolute frequency	Relative frequency
Total		

Variable name:	Absolute frequency	Relative frequency
Total		

3. Compute for the ordinal variable: Absolute frequencies and Relative frequencies in the following table:

Variable name: Frequency classes	Absolute Frequency	Relative Frequency
Total		

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4. Compute for the first continuous (Id_patient is not a variable) variable the following:
 - Arithmetic mean
 - Median
 - Mode
5. Compute for the second continuous (Id_patient is not a variable) variable the following:
 - Arithmetic mean
 - Variation
 - Standard Deviation
6. Compute for the third continuous variable (Id_patient is not a variable) the following:
 - Median
 - Range