STATISTICS 2
WS 2023/24 (Mag. Thomas Forstner)

Course-Number: 366.554

1) 30 children are examined for caries. The number of teeth with caries for every child are counted and presented in the table below:

0	3	3	3	6	0	1	0	0	1
1	3	0	4	3	1	4	6	4	2
0	1	1	0	1	1	0	1	0	3

Calculate the following descriptive summary statistics: mean, median, 1st quartile, 3rd quartile, standard deviation

2) 13 patients with PAOD (peripheral artery occlusive disease) are examined. The results are presented in the table below.

X_1 … body height
X_2 … body weight

Patient	X_1	X_2
1	157	47
2	184	85
3	162	66
4	166	83
5	168	62
6	163	73
7	178	84
8	185	94
9	190	99
10	187	96
11	176	76
12	174	94
13	179	74

Calculate the following descriptive summary statistics: mean, median, 1st quartile, 3rd quartile, standard deviation

3) The average person's monthly salary in a certain town increased from 2,000 € to 4,000 € over the course of ten years. What was the average yearly growth rate for the salary?

Please note: Unless otherwise stated you can use any program package to solve the examples but you should be able to explain how the program package calculated the results.