

EoS - E-tutorial 01 - WiSe 2023/2024

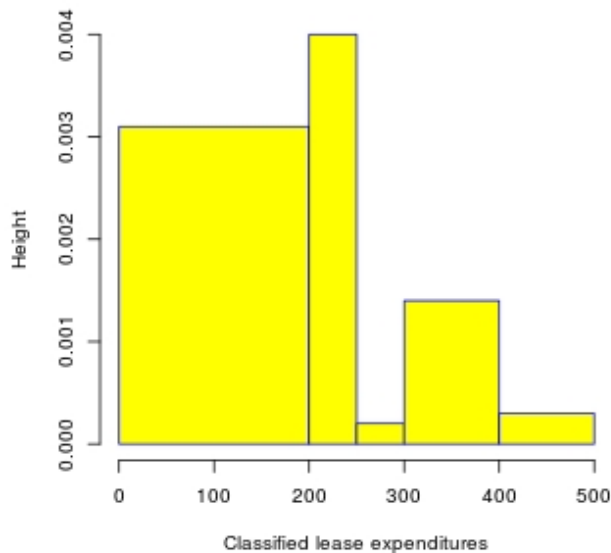
StatRef.B.1.2.00013 (20 Punkte)

Sie haben die folgende Antwort gegeben:

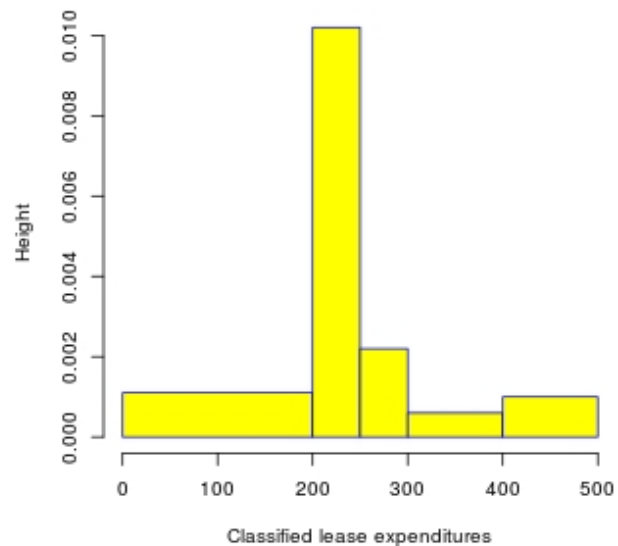
A survey is conducted where at each out of four universities 500 students were asked about their monthly lease costs. The absolute frequencies reported at the respective universities are categorized into 5 classes and summarized in the following table.

Expenses in Euro	University 1	University 2	University 3	University 4
0 t.u. 200	110	465	150	310
200 t.u. 250	255	15	320	100
250 t.u. 300	55	5	20	5
300 t.u. 400	30	10	5	70
400 t.u. 500	50	5	5	15

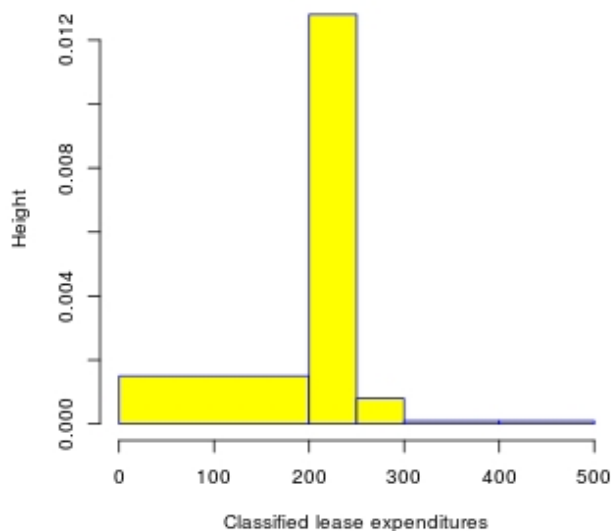
Histogram 1



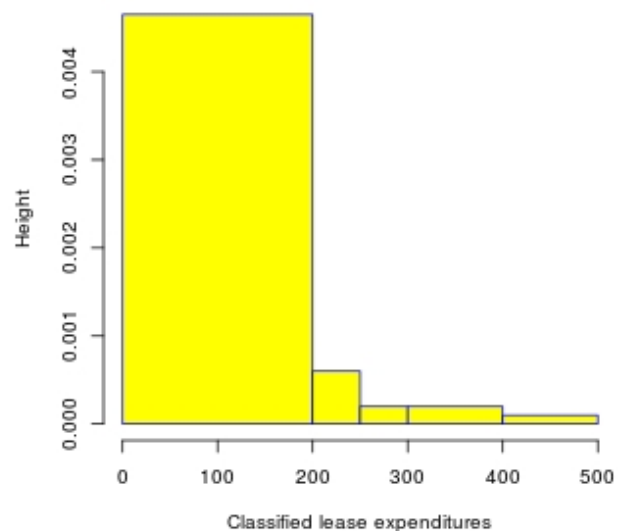
Histogram 2



Histogram 3



Histogram 4



Please assign each of the following histograms to its corresponding absolute frequencies of the monthly lease costs at the respective university.

Histogram 1 passt zu Distribution of the absolute frequencies at University 4 ✓

Histogram 2 passt zu Distribution of the absolute frequencies at University 3 ✗

Histogram 3 passt zu Distribution of the absolute frequencies at University 1 ✗

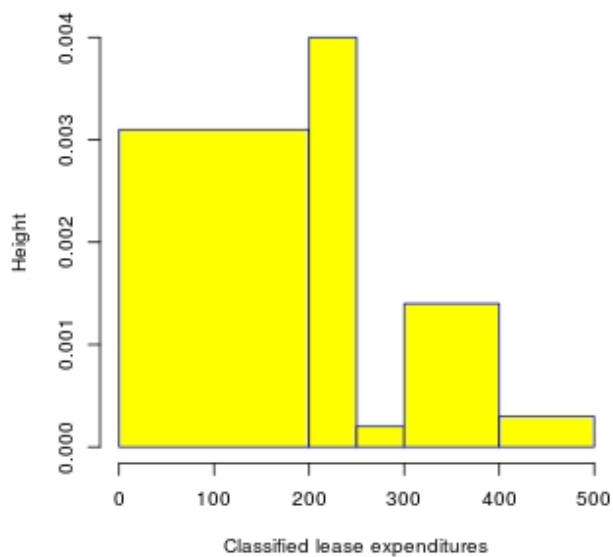
Histogram 4 passt zu Distribution of the absolute frequencies at University 2 ✓

Die bestmögliche Lösung lautet:

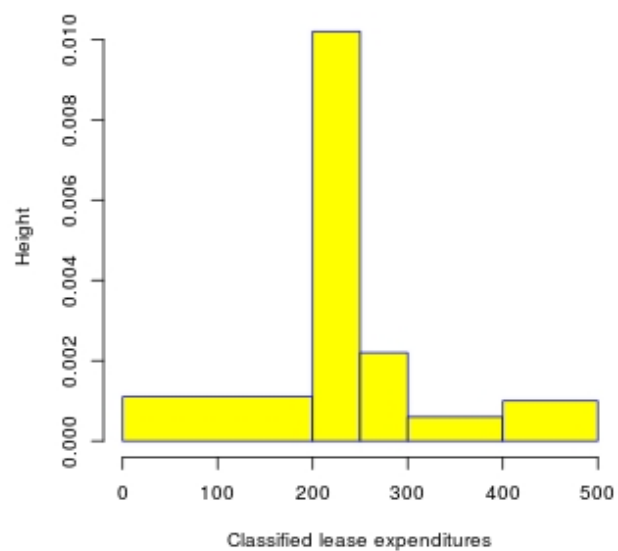
A survey is conducted where at each out of four universities 500 students were asked about their monthly lease costs. The absolute frequencies reported at the respective universities are categorized into 5 classes and summarized in the following table.

Expenses in Euro	University 1	University 2	University 3	University 4
0 t.u. 200	110	465	150	310
200 t.u. 250	255	15	320	100
250 t.u. 300	55	5	20	5
300 t.u. 400	30	10	5	70
400 t.u. 500	50	5	5	15

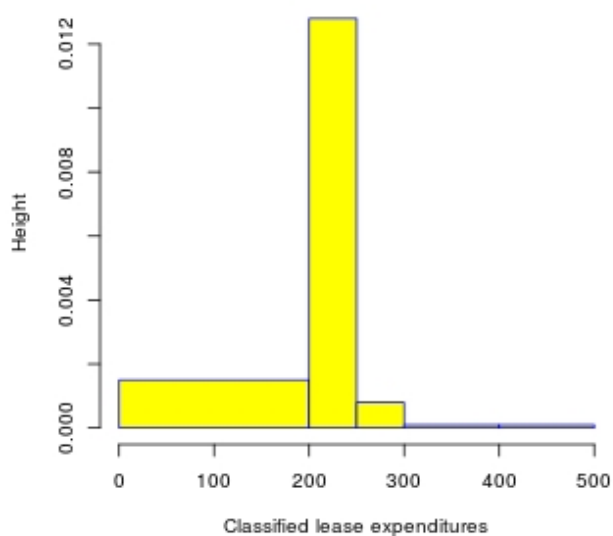
Histogram 1



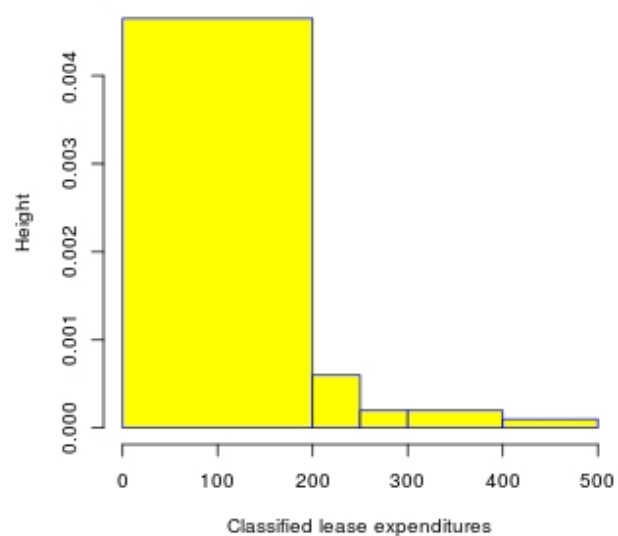
Histogram 2



Histogram 3



Histogram 4



Histogram 1 passt zu Distribution of the absolute frequencies at University 4

Histogram 2 passt zu Distribution of the absolute frequencies at University 1

Histogram 3 passt zu Distribution of the absolute frequencies at University 3

Histogram 4 passt zu Distribution of the absolute frequencies at University 2

Sie haben 10 von 20 möglichen Punkten erreicht.