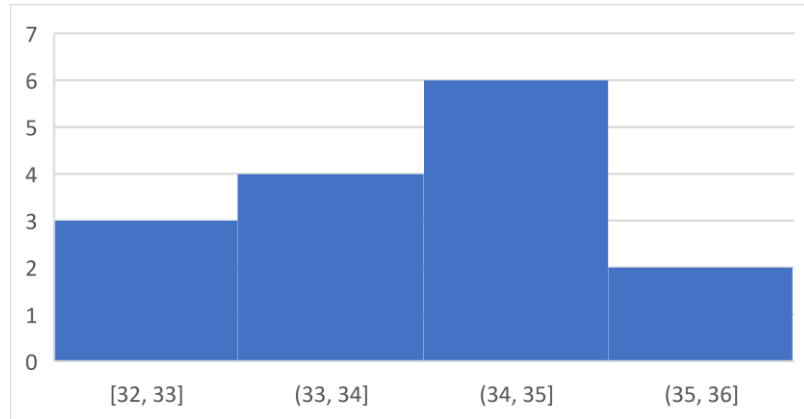


A.

1. Identify cases, variables, values.
2. Identify a type of the variable (categorical (nominal or ordinal)/numerical (discrete or continuous)).
3. Identify a type of the distribution (bell shaped (normal)/left skewed/right skewed/two peaks (bimodal)).
4. Calculate, the median, the mode, and the mean.

Customer	Age
1	35
2	34
3	35
4	35
5	34
6	34
7	36
8	32
9	35
10	34
11	36
12	35
13	32
14	35
15	32



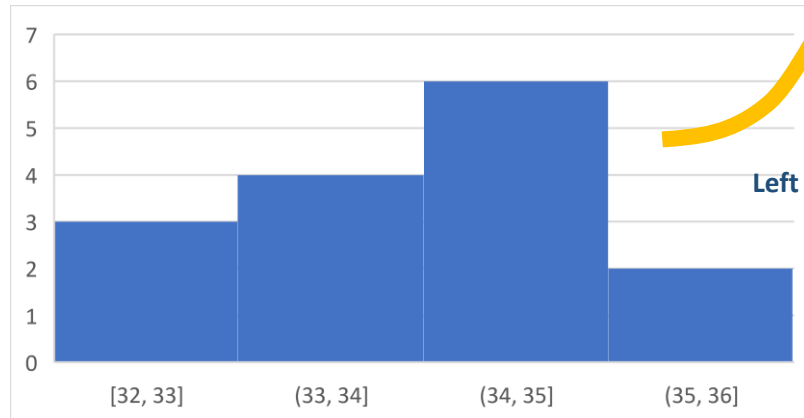
A.

Variable – numerical, continuous

Answers:

Customer	Age
1	35
2	34
3	35
4	35
5	34
6	34
7	36
8	32
9	35
10	34
11	36
12	35
13	32
14	35
15	32

Cases -
customers



Left skewed

Values

Mode = 35

Median = 35

Mean = 34.26667

B.

1. Identify cases, variables, values.
2. Identify a type of the variable (categorical (nominal or ordinal)/numerical (discrete or continuous)).
3. Calculate, the median, the mode, and the mean if applicable.

Immigrant	Country of origin
1	Spain
2	China
3	Ecuador
4	Israel
5	Kyrgyzstan
6	Israel
7	Spain
8	Romania
9	Serbia
10	Australia
11	Spain
12	Chile
13	Estonia
14	Serbia
15	Spain

B.

Answers:

Cases - immigrants

Variable – categorical, nominal

Values

Immigrant	Country of origin
1	Spain
2	China
3	Ecuador
4	Israel
5	Kyrgyzstan
6	Israel
7	Spain
8	Romania
9	Serbia
10	Australia
11	Spain
12	Chile
13	Estonia
14	Serbia
15	Spain

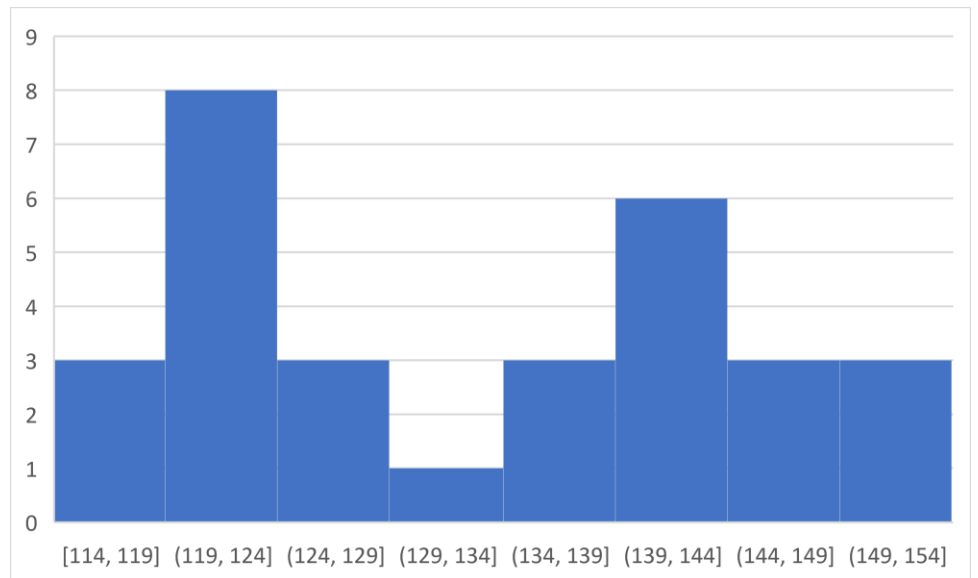
Median and mean are not applicable.

Mode = Spain

C.

1. Identify cases, variables, values.
2. Identify a type of the variable (categorical (nominal or ordinal)/numerical (discrete or continuous)).
3. Identify a type of the distribution (bell shaped (normal)/left skewed/right skewed/two peaks (bimodal)).

Patients of the cardiac department	Blood pressure (upper number)
1	151
2	128
3	139
4	121
5	122
6	124
7	135
8	146
9	143
10	127
11	148
12	144
13	137
14	124
15	142
16	124
17	129
18	130
19	114
20	151
21	145
22	143
23	141
24	120
25	122
26	154
27	121
28	118
29	144
30	117



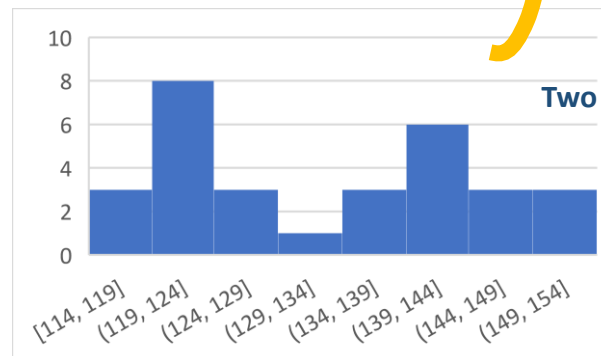
C.

Answers:

Cases -
patients

Variable – numerical, continuous

Patients of the cardiac department	Blood pressure (upper number)
1	151
2	128
3	139
4	121
5	122
6	124
7	135
8	146
9	143
10	127
11	148
12	144
13	137
14	124
15	142
16	124
17	129
18	130
19	114
20	151
21	145
22	143
23	141
24	120
25	122
26	154
27	121
28	118
29	144
30	117

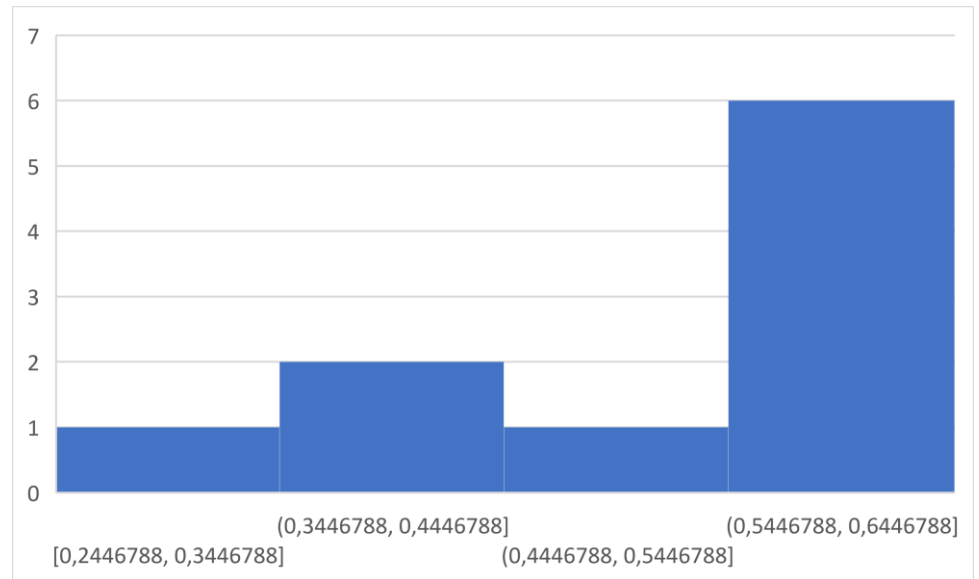


Values

D.

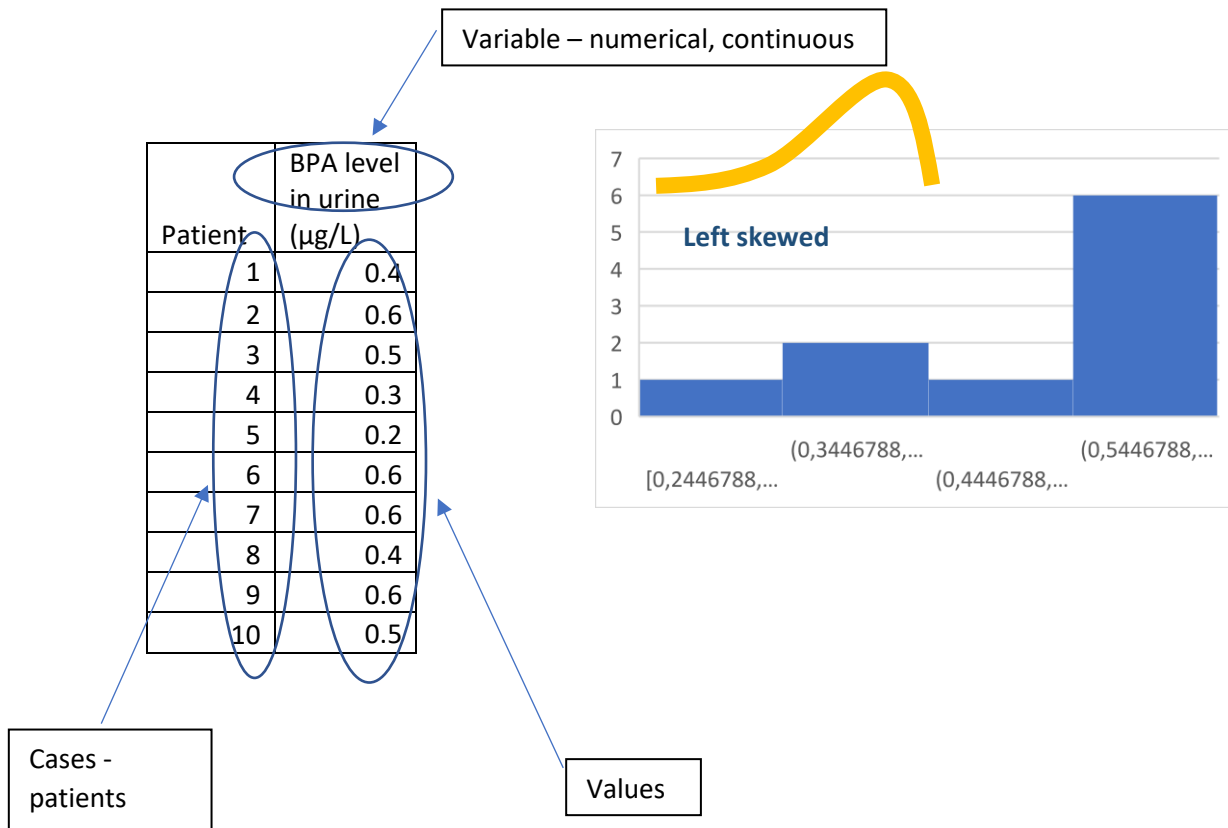
1. Identify cases, variables, values.
2. Identify a type of the variable (categorical (nominal or ordinal)/numerical (discrete or continuous)).
3. Identify a type of the distribution (bell shaped (normal)/left skewed/right skewed/two peaks (bimodal)).
4. Calculate, the median, the mode, and the mean.

Patient	BPA level in urine ($\mu\text{g/L}$)
1	0.4
2	0.6
3	0.5
4	0.3
5	0.2
6	0.6
7	0.6
8	0.4
9	0.6
10	0.5



D.

Answers:



Mode=0.6.

Median = 0.5

Mean = 0.47

E.

1. Identify cases, variables, values.
2. Identify a type of the variable (categorical (nominal or ordinal)/numerical (discrete or continuous)).
3. Calculate, the median, the mode, and the mean if applicable.

Customer	Favorite ice-cream flavor
1	Vanilla
2	Chocolate
3	Caramel
4	Blueberry
5	Vanilla
6	Strawberry
7	Chocolate
8	Vanilla
9	Caramel
10	Raspberry
11	Chocolate
12	Strawberry
13	Vanilla
14	Mango
15	Strawberry

E.

Answers:

Cases -
customers

Variable – categorical, nominal

Customer	Favorite ice-cream flavor
1	Vanilla
2	Chocolate
3	Caramel
4	Blueberry
5	Vanilla
6	Strawberry
7	Chocolate
8	Vanilla
9	Caramel
10	Raspberry
11	Chocolate
12	Strawberry
13	Vanilla
14	Mango
15	Strawberry

Values

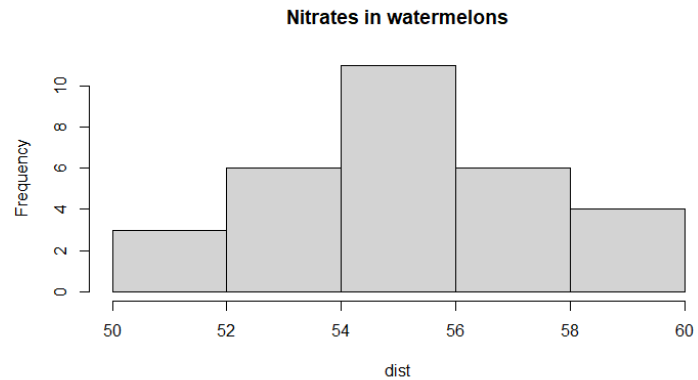
Median and mean are not applicable.

Mode = Vanilla

F.

1. Identify cases, variables, values.
2. Identify a type of the variable (categorical (nominal or ordinal))/numerical (discrete or continuous)).
3. Identify a type of the distribution (bell shaped (normal))/left skewed/right skewed/two peaks (bimodal)).

Watermelons	Nitrates conc.(mg/g)
1	54.1
2	52.9
3	58.2
4	54.1
5	55.3
6	57.6
7	56.2
8	56.4
9	59.4
10	53.8
11	54.4
12	55.7
13	57.1
14	53.3
15	55.9
16	58.3
17	53.3
18	54.9
19	51.5
20	54.1
21	50.5
22	56.5
23	53.8
24	57.8
25	58.2
26	53.9
27	51.5
28	55.5
29	54.5
30	54.7



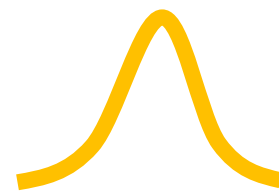
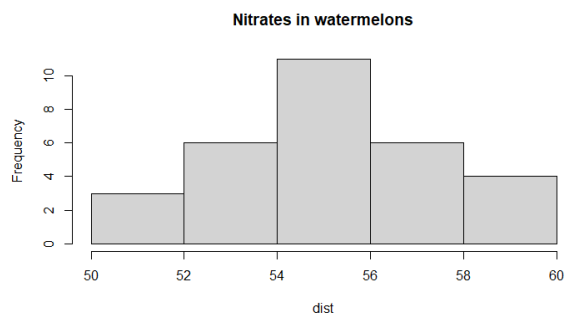
F.

Answers:

Variable – numerical, continuous

Watermelons	Nitrates conc.(mg/g)
1	54.1
2	52.9
3	58.2
4	54.1
5	55.3
6	57.6
7	56.2
8	56.4
9	59.4
10	53.8
11	54.4
12	55.7
13	57.1
14	53.3
15	55.9
16	58.3
17	53.3
18	54.9
19	51.5
20	54.1
21	50.5
22	56.5
23	53.8
24	57.8
25	58.2
26	53.9
27	51.5
28	55.5
29	54.5
30	54.7

Cases -
watermelons



Bell shaped distribution
(normal)

Values