2.20

Viewing Time (minutes)	Number of Students
300-399	14
400-499	46
500-599	58
600-699	76
700-799	68
800-899	62
900-999	48
1000-1099	22
1100-1199	6
Total (n)	**400**

lower bounderies
upper bouneries

a)	799
b)	1000
c)	949.5
d) lower bound.	1099.5
d) upper bound.	1199.5
e)	100
f)	76
g)	0.155
h)	29.5
i)	19
j)	78

Data for 2.21 (a)

Viewing Time (inteval)	Frequency (f)
300-399	14
400-499	46
500-599	58
600-699	76
700-799	68
800-899	62
900-999	48
1000-1099	22
1100-1199	6
Total (n)	**400**

2.22 (a)

Relative Freqency
3.50%
11.50%
14.50%
19.00%
17.00%
15.50%
12.00%
5.50%
1.50%
100%

Data for (b) 2.21

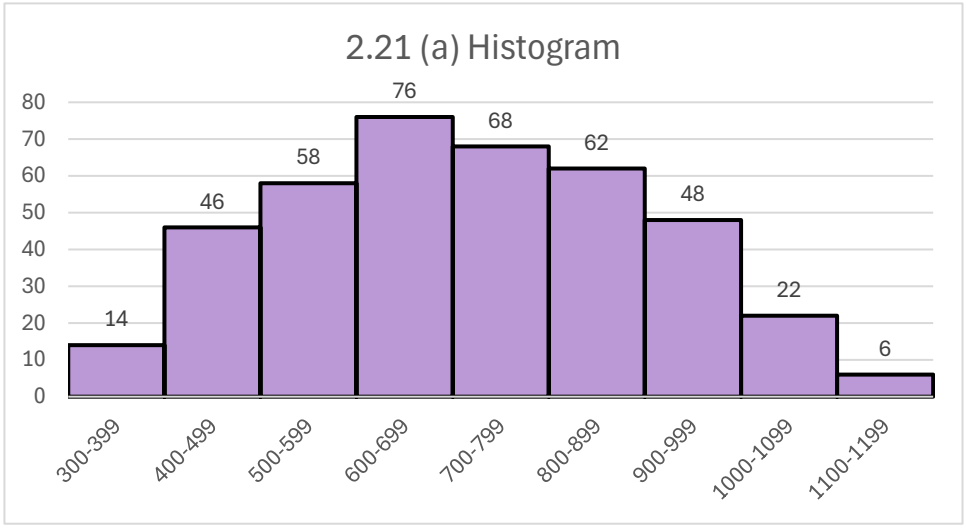
Frequency (f)	Class Mark (x)
0	
14	349.5
46	449.5
58	549.5
76	649.5
68	749.5
62	849.5
48	949.5
22	1049.5
6	1149.5
0	

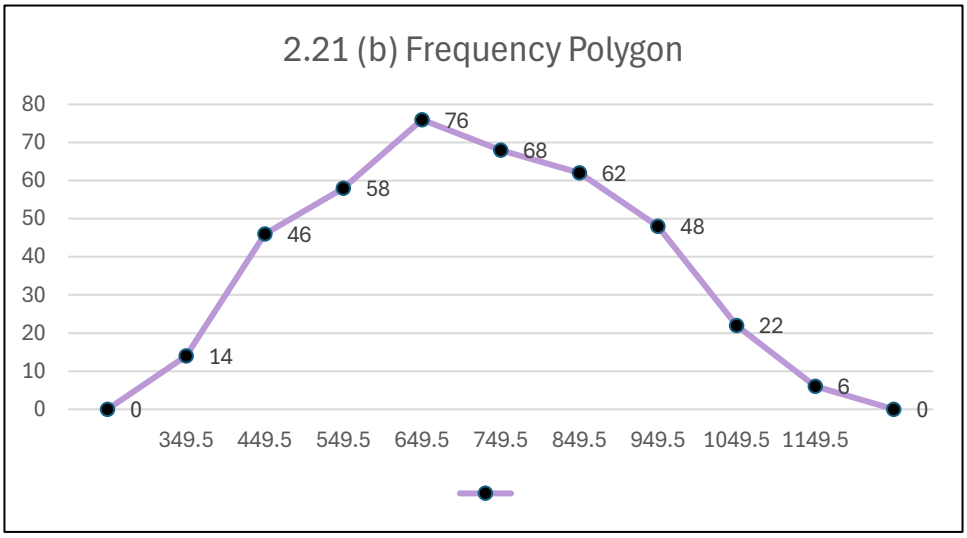
Data for 2.22 (b)

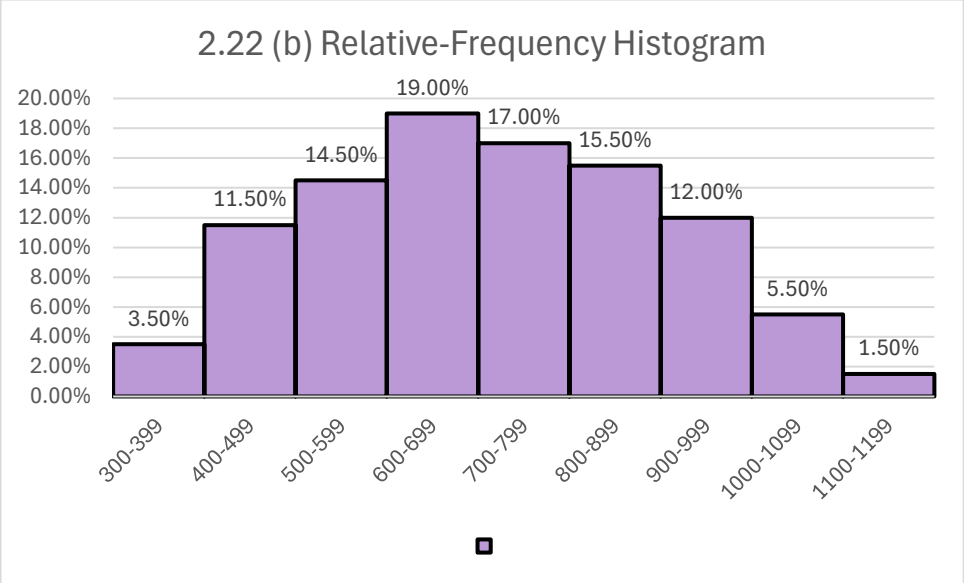
Viewing Time (inteval)	Relative Freqency
300-399	3.50%
400-499	11.50%
500-599	14.50%
600-699	19.00%
700-799	17.00%
800-899	15.50%
900-999	12.00%
1000-1099	5.50%
1100-1199	1.50%

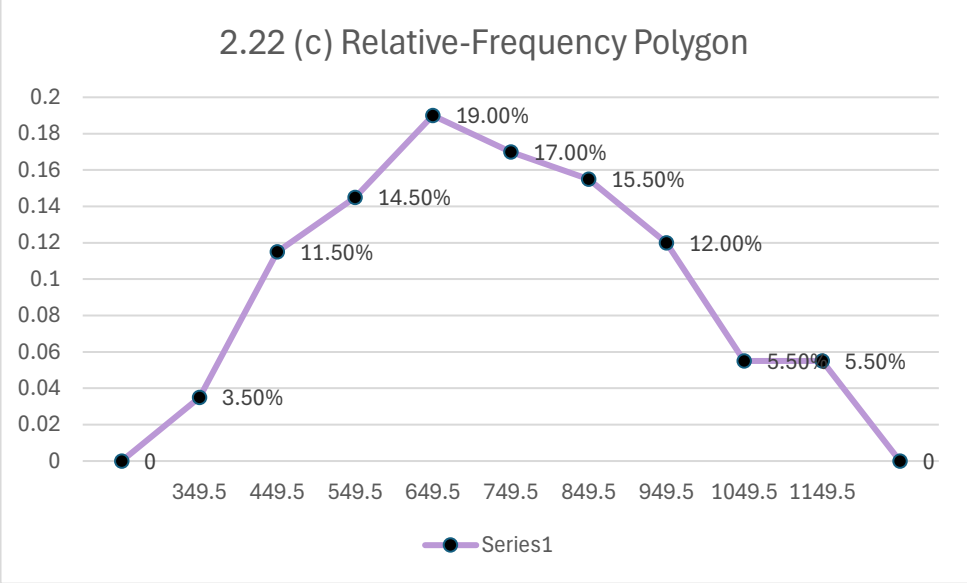
Data for 2.22 (c)

Class Mark (x)	Relative Freqency
	0
349.5	3.50%
449.5	11.50%
549.5	14.50%
649.5	19.00%
749.5	17.00%
849.5	15.50%
949.5	12.00%
1049.5	5.50%
1149.5	5.50%
	0


2.21 (a) Histogram
80
70
60
50
40
30
20
10
0
14
46
58
76
68
62
48
22
6
300-399
400-499
500-599
600-699
700-799
800-899
900-999
1000-1099
1100-1199


2.21 (b) Frequency Polygon
80
70
60
50
40
30
20
10
0
0
14
46
58
76
68
62
48
22
6
0
349.5
449.5
549.5
649.5
749.5
849.5
949.5
1049.5
1149.5


2.22 (b) Relative-Frequency Histogram
20.00%
18.00%
16.00%
14.00%
12.00%
10.00%
8.00%
6.00%
4.00%
2.00%
0.00%
3.50%
11.50%
14.50%
19.00%
17.00%
15.50%
12.00%
5.50%
1.50%
300-399
400-499
500-599
600-699
700-799
800-899
900-999
1000-1099
1100-1199


2.22 (c) Relative-Frequency Polygon
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
3.50%
11.50%
14.50%
19.00%
17.00%
15.50%
12.00%
5.50%
5.50%
0
349.5
449.5
549.5
649.5
749.5
849.5
949.5
1049.5
1149.5
Series1