Smoking Survey Statistics

Christian Stewart
2023-03-04

Age Frequency Table

	Frequency	Percent	Cumulative Percent
18	1	1.4	1.4
19	13	18.6	20
20	14	20	40
21	10	14.3	54.3
22	8	11.4	65.7
23	2	2.9	68.6
24	4	5.7	74.3
25	1	1.4	75.7
26	1	1.4	77.1
27	1	1.4	78.6
29	1	1.4	80
32	1	1.4	81.4
35	1	1.4	82.9
39	3	4.3	87.1
40	1	1.4	88.6
43	1	1.4	90
45	2	2.9	92.9
48	1	1.4	94.3
49	1	1.4	95.7
50	1	1.4	97.1
54	1	1.4	98.6
68	1	1.4	100
Total	**70**	**100.0**	**100.0**

Sex Frequency Table

	Frequency	Percent	Cumulative Percent
1	56	80	80
2	14	20	100
Total	**70**	**100**	**100**

Weight Frequency Table

	Frequency	Percent	Cumulative Percent
40	3	4.3	4.3
43	1	1.4	5.7
45	1	1.4	7.1
50	8	11.4	18.6
51	1	1.4	20
52	1	1.4	21.4
53	1	1.4	22.9
54	1	1.4	24.3
55	5	7.1	31.4
56	4	5.7	37.1
57	2	2.9	40
58	4	5.7	45.7
60	5	7.1	52.9
62	4	5.7	58.6
65	5	7.1	65.7
66.1	1	1.4	67.1
67	2	2.9	70
68	1	1.4	71.4
70	3	4.3	75.7
71	5	7.1	82.9
72	1	1.4	84.3
75	4	5.7	90
76	1	1.4	91.4
85	2	2.9	94.3
89	1	1.4	95.7
94	1	1.4	97.1
95	1	1.4	98.6
110	1	1.4	100
Total	**70**	**100.0**	**100.0**

Height Frequency Table

	Frequency	Percent	Cumulative Percent
1.23	1	1.4	1.4
1.32	1	1.4	2.9
1.42	1	1.4	4.3
1.5	4	5.7	10
1.52	8	11.4	21.4
1.56	1	1.4	22.9
1.57	1	1.4	24.3
1.6	5	7.1	31.4
1.62	4	5.7	37.1
1.64	2	2.9	40
1.65	6	8.6	48.6
1.67	3	4.3	52.9
1.68	1	1.4	54.3
1.7	7	10	64.3
1.72	6	8.6	72.9
1.75	6	8.6	81.4
1.76	2	2.9	84.3
1.77	1	1.4	85.7
1.8	4	5.7	91.4
1.9	2	2.9	94.3
6	1	1.4	95.7
152	1	1.4	97.1
162	1	1.4	98.6
168	1	1.4	100
Total	**70**	**100**	**100**

Ncigar Frequency Table

	Frequency	Percent	Cumulative Percent
0	2	2.9	2.9
1	9	12.9	15.7
2	7	10	25.7
3	6	8.6	34.3
4	7	10	44.3
5	11	15.7	60
6	7	10	70
7	1	1.4	71.4
8	2	2.9	74.3
9	1	1.4	75.7
10	7	10	85.7
12	1	1.4	87.1
20	7	10	97.1
25	1	1.4	98.6
40	1	1.4	100
Total	**70**	**100**	**100**

Nysmoke Frequency Table

	Frequency	Percent	Cumulative Percent
1	11	15.7	15.7
2	11	15.7	31.4
3	14	20	51.4
4	4	5.7	57.1
5	6	8.6	65.7
6	7	10	75.7
7	2	2.9	78.6
8	2	2.9	81.4
10	1	1.4	82.9
11	2	2.9	85.7
12	1	1.4	87.1
19	1	1.4	88.6
20	2	2.9	91.4
25	1	1.4	92.9
28	1	1.4	94.3
31	1	1.4	95.7
32	1	1.4	97.1
40	1	1.4	98.6

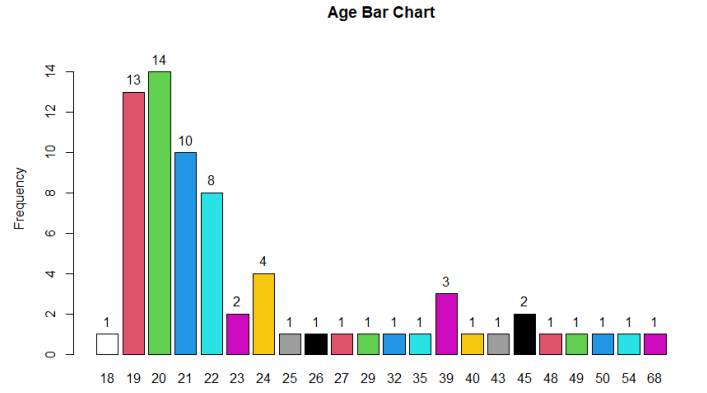
48	1	1.4	100
Total	**70**	**100**	**100**

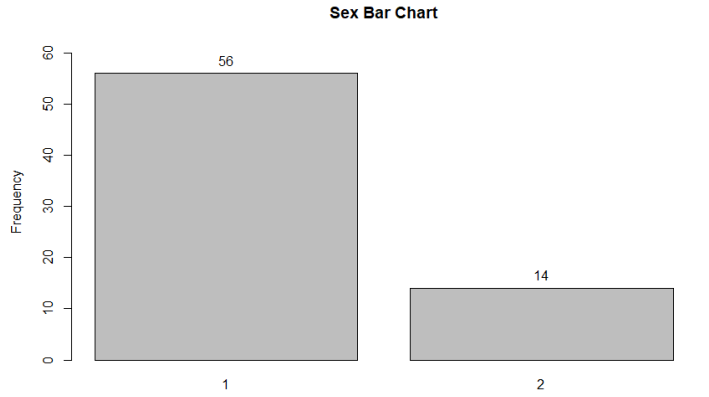
Age Smoke Frequency Table

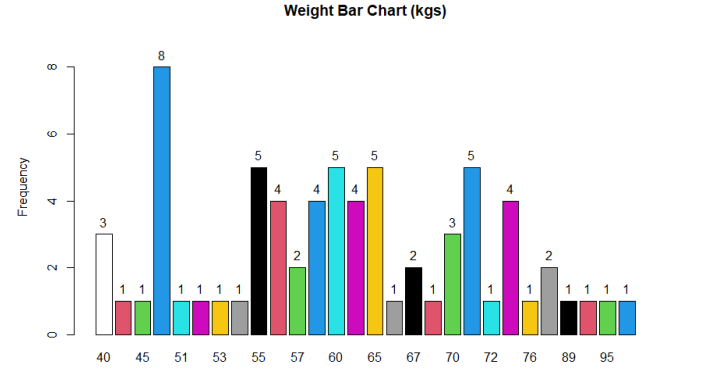
	Frequency	Percent	Cumulative Percent
1	2	2.9	2.9
8	1	1.4	4.3
10	1	1.4	5.7
11	1	1.4	7.1
12	1	1.4	8.6
13	4	5.7	14.3
14	6	8.6	22.9
15	3	4.3	27.1
16	9	12.9	40
17	11	15.7	55.7
18	12	17.1	72.9
19	6	8.6	81.4
20	5	7.1	88.6
21	1	1.4	90
22	1	1.4	91.4
24	1	1.4	92.9
25	1	1.4	94.3
29	1	1.4	95.7
35	1	1.4	97.1
43	1	1.4	98.6
45	1	1.4	100
Total	**70**	**100**	**100**

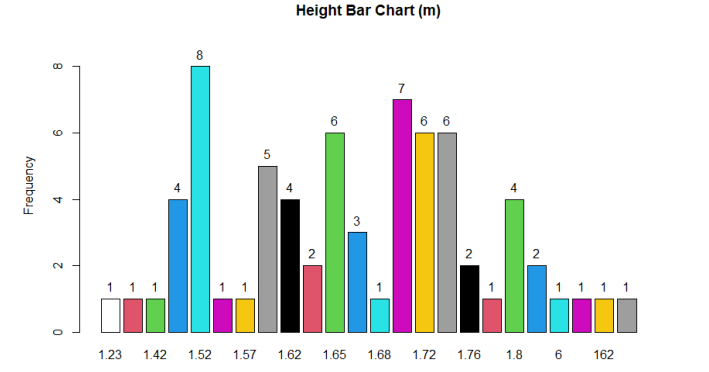
Data Visualization

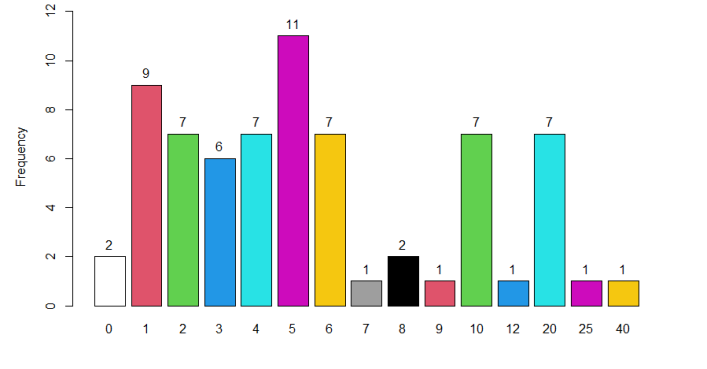
Bar Charts

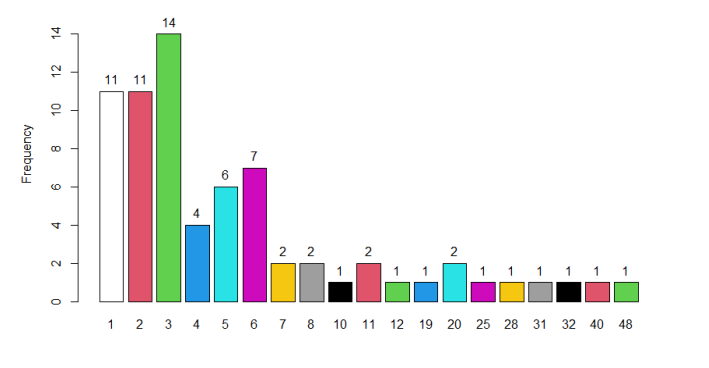


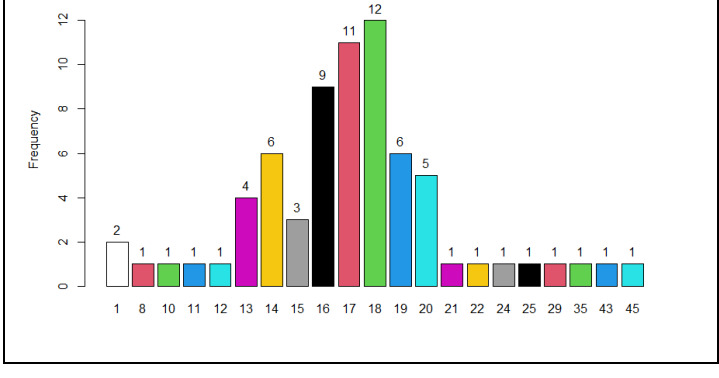






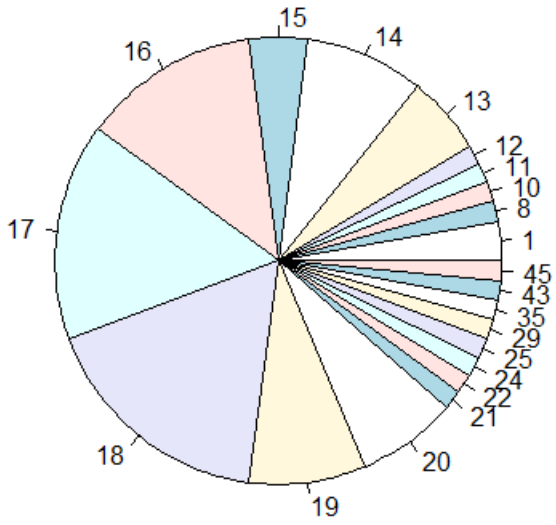




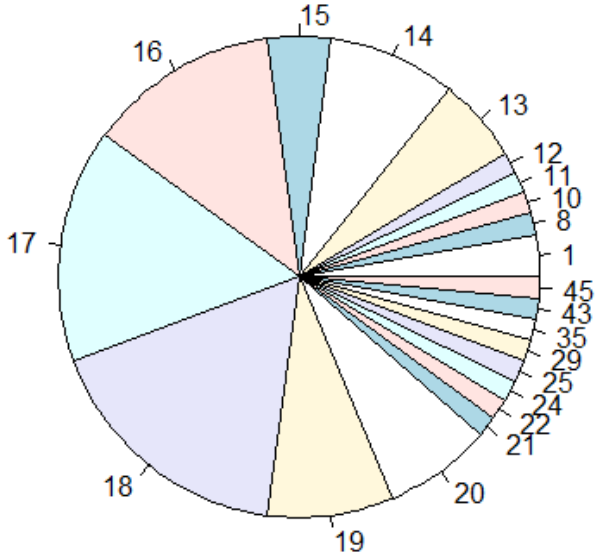


Pie Charts

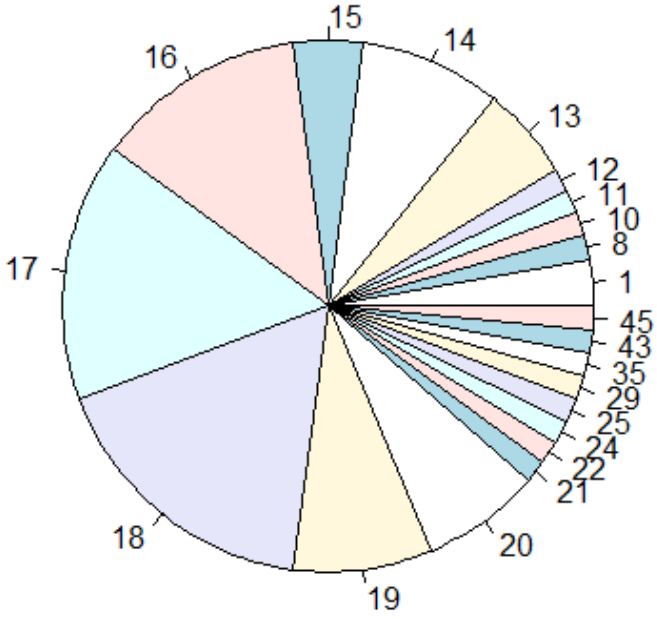
Age Pie Chart



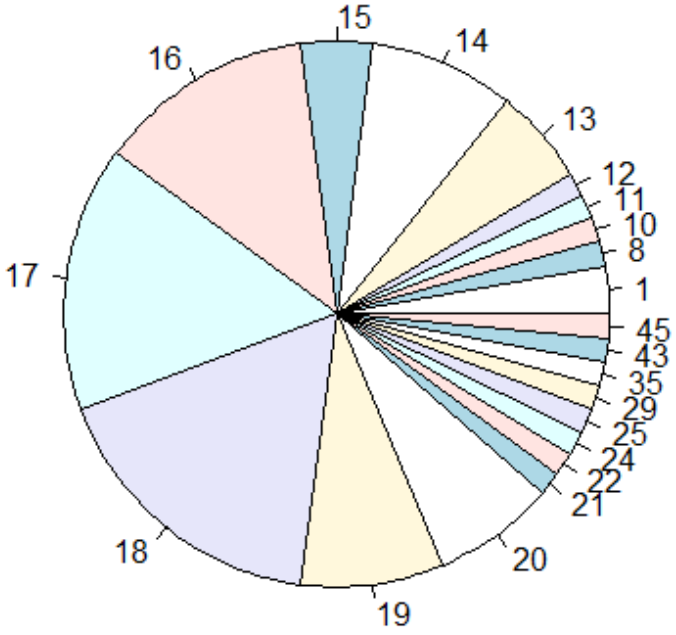
Sex Pie Chart



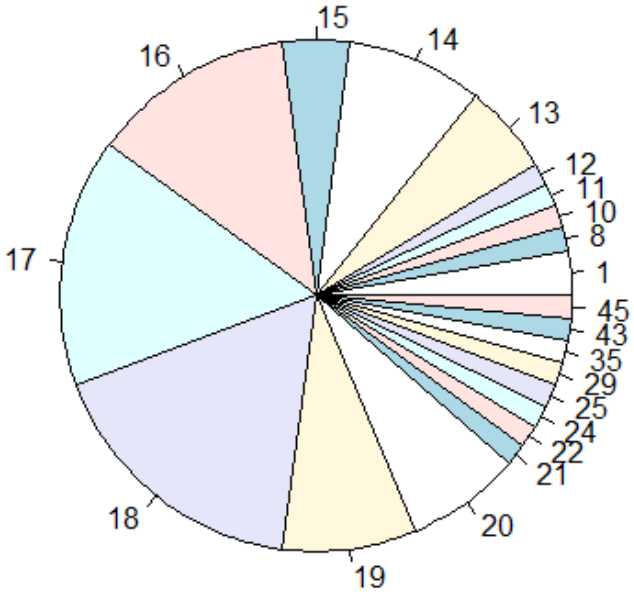
Weight Pie Chart (kgs)



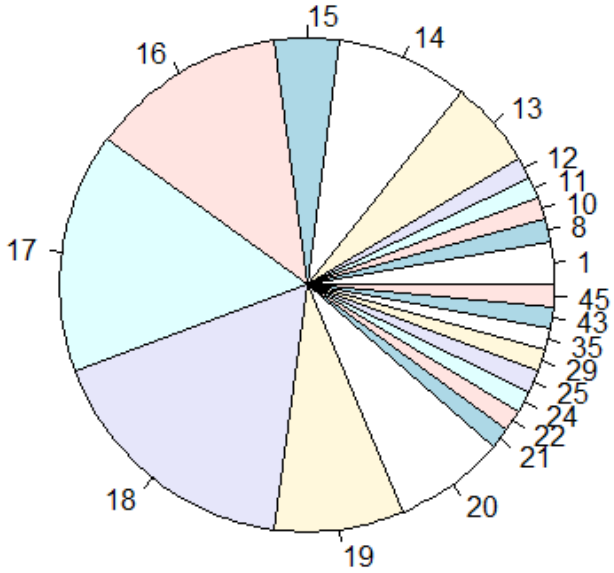
Height Pie Chart (m)



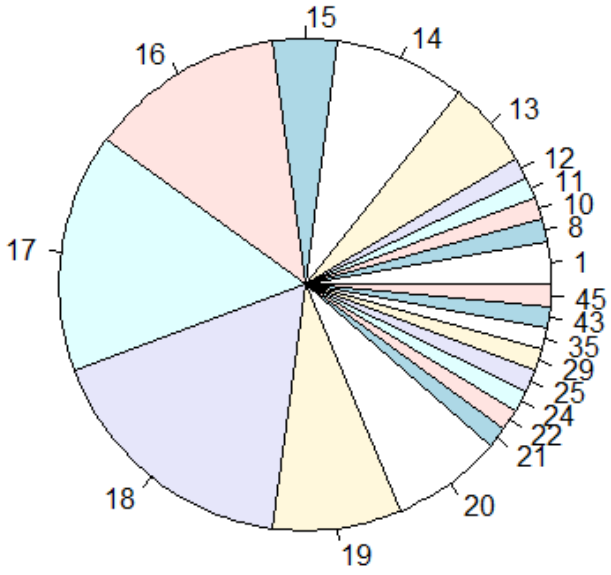
Ncigar Pie Chart



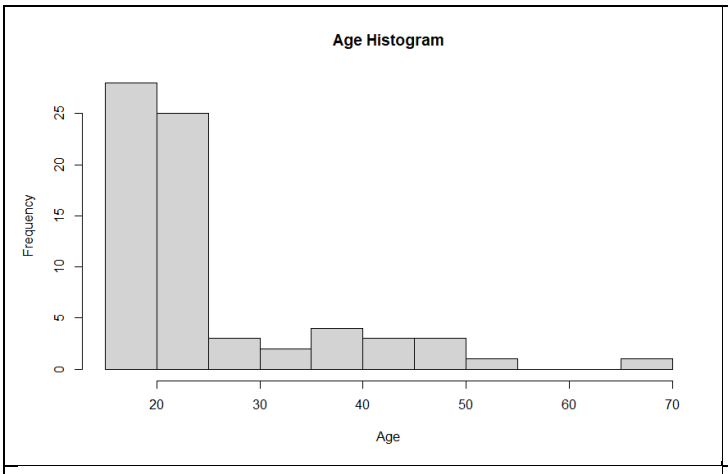
Nysmoke Pie Chart

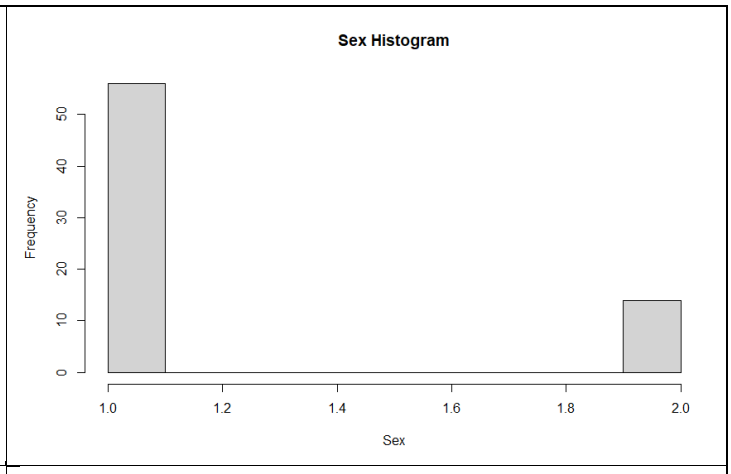


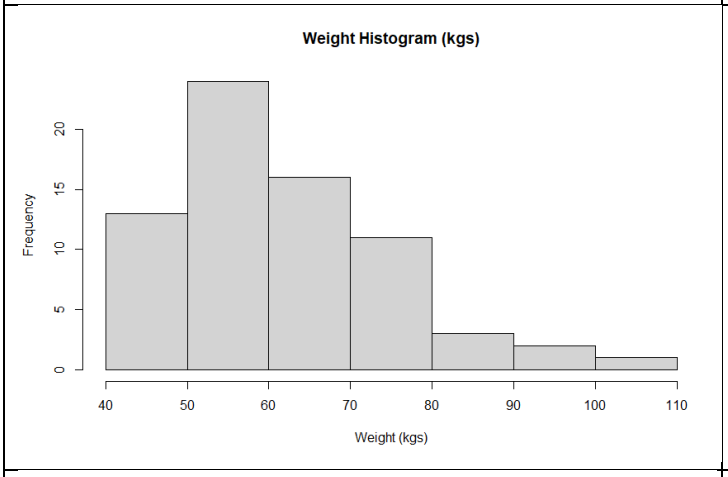
Age Smoke Pie Chart

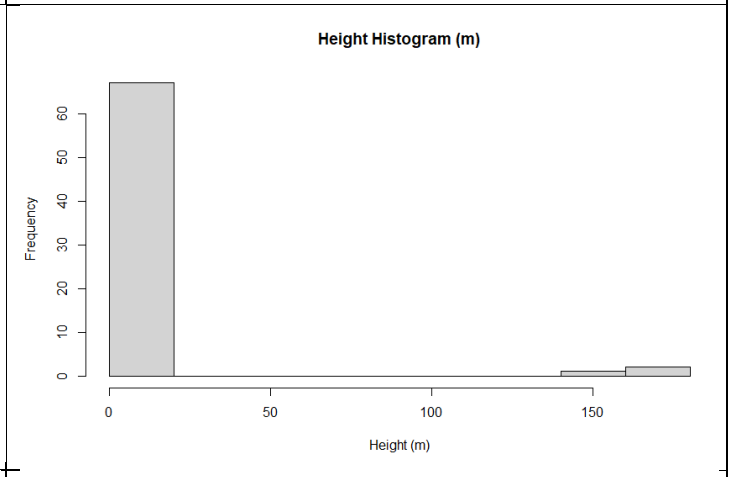


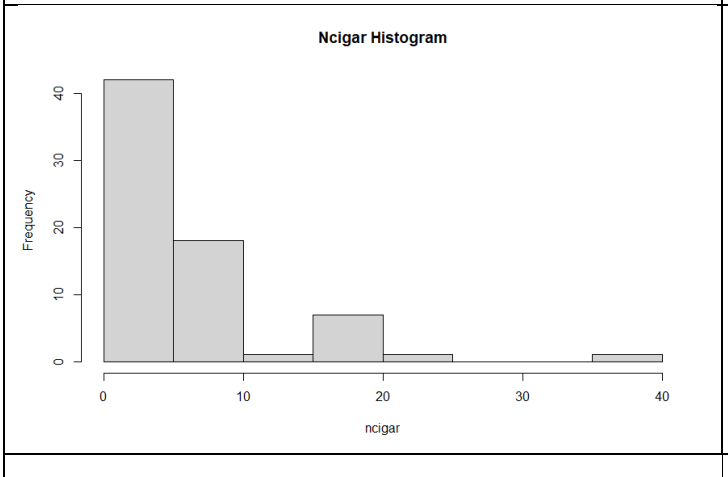
Histograms

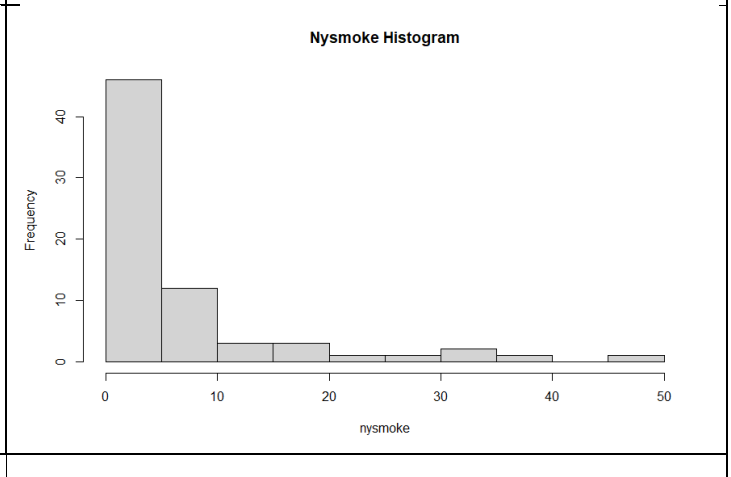

Age Histogram
Frequency
0
5
10
15
20
25
20
30
40
50
60
70
Age

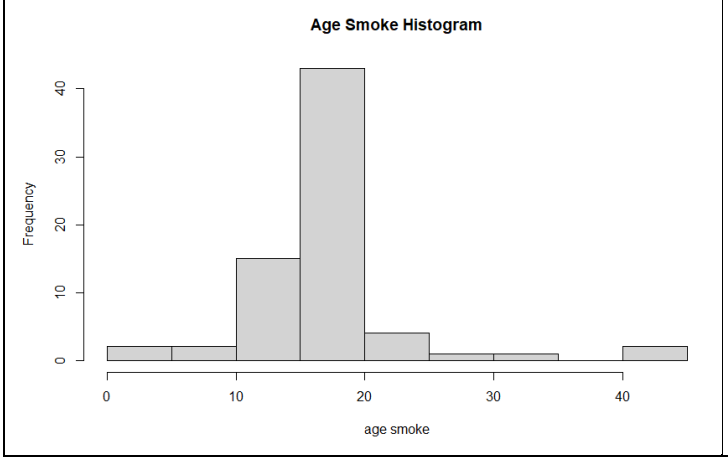

Sex Histogram
Frequency
0
10
20
30
40
50
1.0
1.2
1.4
1.6
1.8
2.0
Sex


Weight Histogram (kgs)
Frequency
0
5
10
15
20
40
50
60
70
80
90
100
110
Weight (kgs)

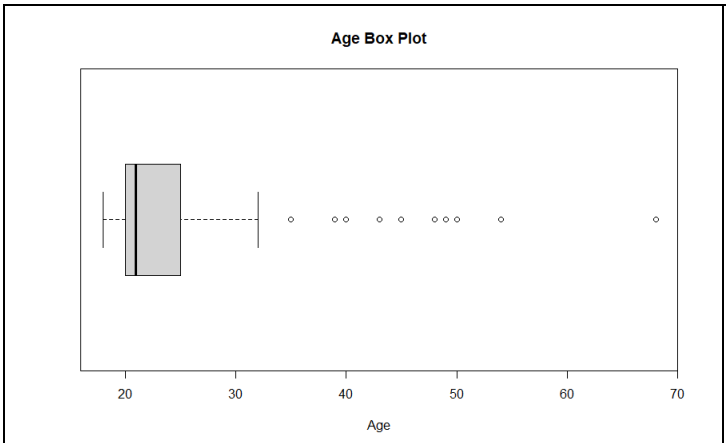

Height Histogram (m)
Frequency
0
10
20
30
40
50
60
0
50
100
150
Height (m)

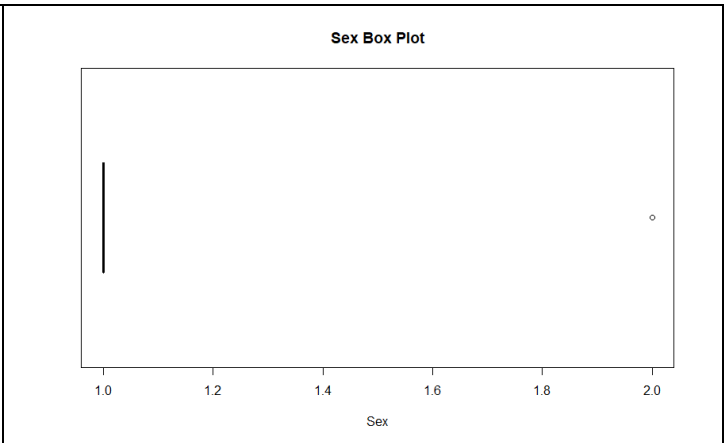

Ncigar Histogram
Frequency
0
10
20
30
40
0
10
20
30
40
ncigar

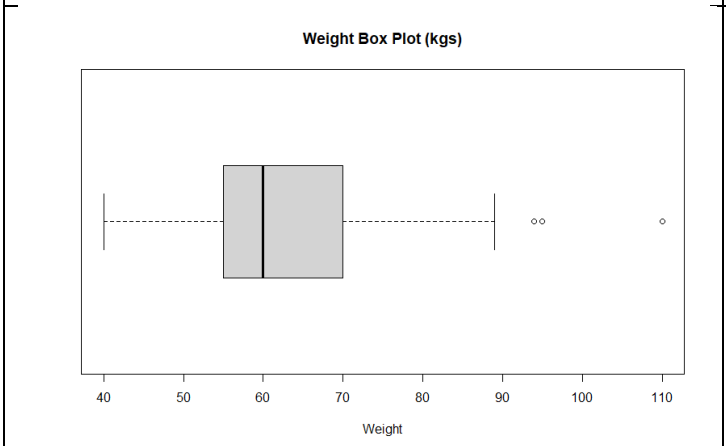

Nysmoke Histogram
Frequency
0
10
20
30
40
0
10
20
30
40
50
nysmoke

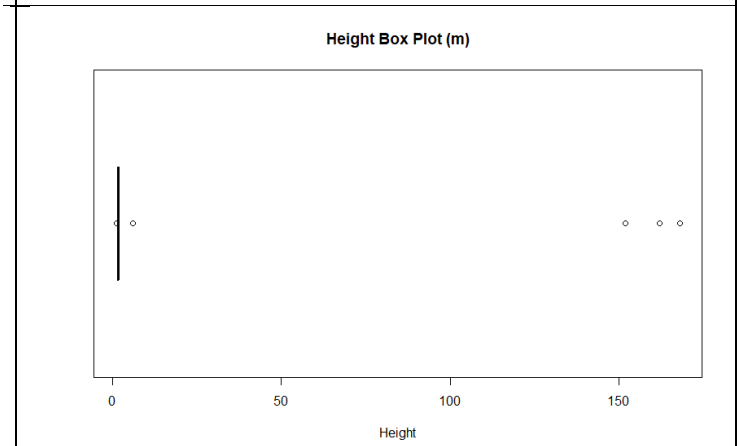

Age Smoke Histogram
Frequency
0
10
20
30
40
0
10
20
30
40
age smoke

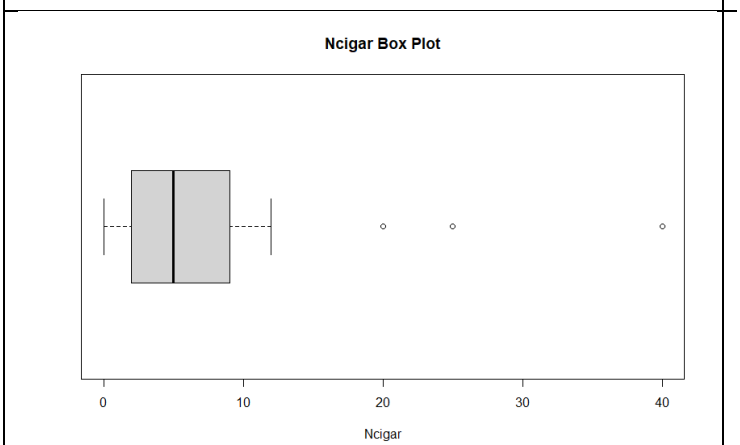
Box Plots

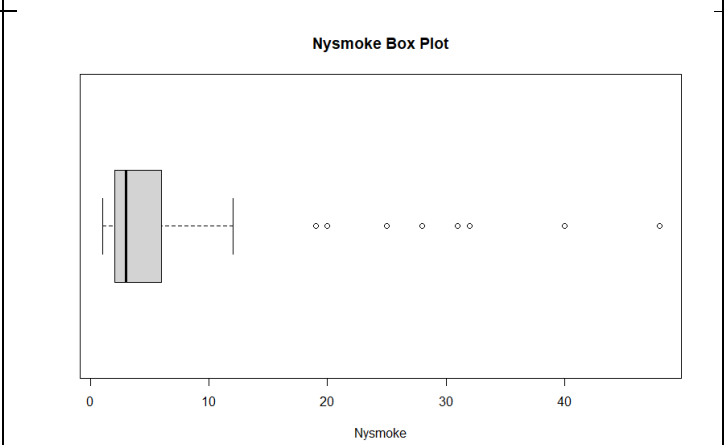

Age Box Plot
20
30
40
50
60
70
Age

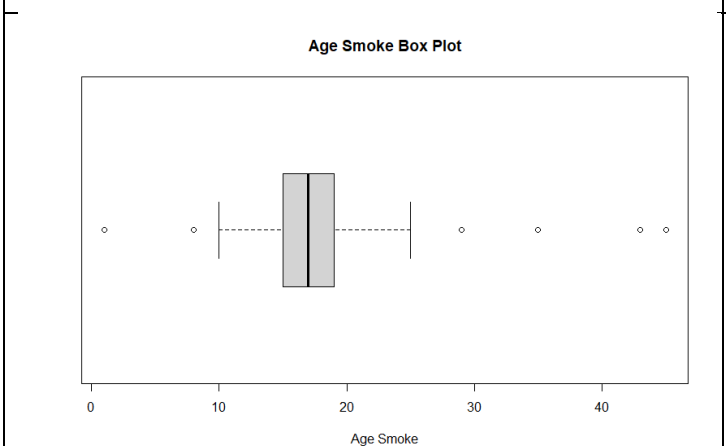

Sex Box Plot
1.0
1.2
1.4
1.6
1.8
2.0
Sex


Weight Box Plot (kgs)
40
50
60
70
80
90
100
110
Weight


Height Box Plot (m)
0
50
100
150
Height


Ncigar Box Plot
0
10
20
30
40
Ncigar


Nysmoke Box Plot
0
10
20
30
40
Nysmoke


Age Smoke Box Plot
0
10
20
30
40
Age Smoke

Descriptives

Central Tendencies

	Mean	Median	Mode
Age	25.8	21	20
Sex	1.2	1	1
Weight	62.50143	60	50
Height	8.523143	1.67	1.52
ncigar	6.928571	5	5
nysmoke	7.142857	3	3
agesmoke	17.55714	17	18

Measure of Variance

	Range	Interquartile range	Variance	Standard Deviation
Age	50	4.75	110.0464	10.4903
Sex	1	0	0.1623188	0.4028881
Weight	70	15	174.5828	13.21298
Height	166.77	0.15	1053.661	32.46015
ncigar	40	6.5	50.67598	7.118707
nysmoke	47	4	90.53002	9.514727
agesmoke	44	4	43.23582	6.575395

Summary of Descriptives

	Min	Q1	Median	Mean	Q3	Max
Age	18.00	20.00	21.00	25.80	24.75	68.00
Sex	1.0	1.0	1.0	1.2	1.0	2.0
Weight	40.0	55.0	60.0	62.5	70.0	110.0
Height	1.230	1.600	1.670	8.523	1.750	168.000
ncigar	0.000	2.250	5.000	6.929	8.750	40.000
nysmoke	1.000	2.000	3.000	7.143	6.000	48.000
agesmoke	1.00	15.00	17.00	17.56	19.00	45.00