Titanic data

name	Full Name (LAST, Title First)
sex	Sex (text, male/female)
age	Age
class	Passenger Class (1 = 1st; 2 = 2nd; 3 = 3rd)
survived	Survived indicator (0 = No; 1 = Yes)
joined	Port of embarcation (Belfast, Cherbourg, Queenstown, Southampton)
sibsp	Number of Siblings/Spouses Aboard
price	Price of ticket, Pounds
occupation	Job / Career

$\vdots$

```
Age [years]
  [1]  29   2  25  62  53  18  24  26  32  50  46  39  46  31  19  30  61  45  22  59
 [21]  44  58  41  52  58  13  36  36  25  47  32  36  30  48  26  22  39  64  55  39
 [41]  64  35  33  27  17  34  48  27  48  23  39  54  36  48  42  24  28  23  60  31
 [61]  42  22  48  22  44  35  40  19  59  45  21  49  35  24  52  17  44  51  35  31
 [81]  39  50  40  45  49  27  55  16  50  21  59  16  18  25  33  37  31  23  19  39
[101]  22  22  22  33  56  43  33  33  54  18  21  48  24  35  30  40  39  18  23  39
[121]  45  44  52  62  63  46  18  39  49  39  38  35  60  55  31  45  50  21  31  36
[141]  35  29  19  24  28  36  36  22   4  12  35  19  18  15  40  20  36  40  28  35
[161]  45  28  25  45  28   8  31  22  30  30  48  28  24  18  34  34  27  30  38  39
[181]  23   6   7  48  23  23  48  56  18  20  54  29  61  17  24  23  24  28  46  45
[201]  34   1   3  22  17  31  46  42  57  24  13  41  14  29  59  21  19  32   2   8
[221]  33  30  28  24  58  21  17  20  29  30  39  48  27  27  26  36  31  12  40  37
[241]  37   4  29   0   4  33  35  26  24  25  39  16  40  18  19   6   2  17  38   9
[261]  11  39  18   5  38  45  17  15  33   3   0   5  24  18  31  18  45  26   7  40
[281]  40  32  22  20  22  17  21  30  22  18  45  23  41  16  36  16  22  33  28  34
[301]  36   0  32  19  21  31  28  27  24  22   5  22  20   7  54  38  17  19  31  10
[321]  16  43  24  24  45  17  21  29  18  26  23  22  28  21   2  22  27  26  18  27
[341]  25  16  19  26   1  26   7  35  20  21   4  20  22  20  22   4  26   1  36  37
[361]  22   3   8  12  40  25  45  30  26  23  21  20  32  28  24  29  26  31  22  17
[381]  42  19  32  63  31  23  29  28  35  24  21  18  25  18  25  34  22  15   1  19
[401]  21  29  18  26  14  22  26  25  22  16  31  23  20  21   3   8  29  41   3  26
[421]   2  24  26  28  18  63  39  22  18  58  47   2  41  31   7  14  10  20  44  21
[441]   1   4  24  20  18   9   2  43  17  24  22   2  29  16  32   9  27  18  63  10
[461]  30  18  31  14  47  15
```

```
Age [years]
  [1]  0  0  0  1  1  1  1  1  2  2  2  2  2  2  2  2  3  3  3  3
 [21]  3  4  4  4  4  4  4  5  5  5  6  6  7  7  7  7  7  8  8  8
 [41]  8  9  9  9 10 10 10 11 12 12 12 13 13 14 14 14 14 15 15 15
 [61] 15 16 16 16 16 16 16 16 16 16 17 17 17 17 17 17 17 17 17 17
 [81] 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
[101] 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 20 20 20
[121] 20 20 20 20 20 20 20 20 20 20 21 21 21 21 21 21 21 21 21 21 21
[141] 21 21 21 21 21 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22
[161] 22 22 22 22 22 22 22 22 22 22 22 22 23 23 23 23 23 23 23 23
[181] 23 23 23 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24 24 24
[201] 24 24 24 24 24 25 25 25 25 25 25 25 25 25 25 26 26 26 26 26
[221] 26 26 26 26 26 26 26 26 26 26 26 27 27 27 27 27 27 27 27 27
[241] 27 28 28 28 28 28 28 28 28 28 28 28 28 28 28 29 29 29 29 29
[261] 29 29 29 29 29 29 29 30 30 30 30 30 30 30 30 30 30 30 31 31
[281] 31 31 31 31 31 31 31 31 31 31 31 31 31 31 31 32 32 32 32 32
[301] 32 32 32 33 33 33 33 33 33 33 33 33 34 34 34 34 34 34 35 35
[321] 35 35 35 35 35 35 35 35 35 36 36 36 36 36 36 36 36 36 36
[341] 36 36 37 37 37 37 38 38 38 38 38 39 39 39 39 39 39 39 39 39
[361] 39 39 39 39 39 39 40 40 40 40 40 40 40 40 40 40 41 41 41 41
[381] 41 42 42 42 42 43 43 43 44 44 44 44 44 45 45 45 45 45 45 45
[401] 45 45 45 45 45 45 46 46 46 46 46 47 47 47 48 48 48 48 48 48
[421] 48 48 48 48 49 49 49 50 50 50 50 51 52 52 52 53 54 54 54 54
[441] 55 55 55 56 56 57 58 58 58 58 59 59 59 59 60 60 61 61 62 62
[461] 63 63 63 63 64 64
```

age	Frequency	Relative frequency	Cumulative relative frequency	Percentage
0	3	0.01	0.01	0.64
1	5	0.01	0.02	1.07
2	8	0.02	0.03	1.72
3	5	0.01	0.05	1.07
4	6	0.01	0.06	1.29
5	3	0.01	0.06	0.64
6	2	0.00	0.07	0.43
7	5	0.01	0.08	1.07
8	4	0.01	0.09	0.86
9	3	0.01	0.09	0.64
10	3	0.01	0.10	0.64
11	1	0.00	0.10	0.21
12	3	0.01	0.11	0.64
13	2	0.00	0.11	0.43
14	4	0.01	0.12	0.86
15	4	0.01	0.13	0.86
16	9	0.02	0.15	1.93
17	12	0.03	0.18	2.58
18	23	0.05	0.23	4.94
19	12	0.03	0.25	2.58
20	12	0.03	0.28	2.58
21	16	0.03	0.31	3.43
22	27	0.06	0.37	5.79
23	13	0.03	0.40	2.79
24	20	0.04	0.44	4.29
25	10	0.02	0.46	2.15
26	16	0.03	0.49	3.43
27	10	0.02	0.52	2.15
28	14	0.03	0.55	3.00
29	12	0.03	0.57	2.58
30	11	0.02	0.60	2.36
31	17	0.04	0.63	3.65
32	8	0.02	0.65	1.72

age	Frequency	Relative frequency	Cumulative relative frequency	Percentage
33	9	0.02	0.67	1.93
34	6	0.01	0.68	1.29
35	12	0.03	0.71	2.58
36	12	0.03	0.73	2.58
37	4	0.01	0.74	0.86
38	5	0.01	0.75	1.07
39	15	0.03	0.79	3.22
40	10	0.02	0.81	2.15
41	5	0.01	0.82	1.07
42	4	0.01	0.83	0.86
43	3	0.01	0.83	0.64
44	5	0.01	0.84	1.07
45	13	0.03	0.87	2.79
46	5	0.01	0.88	1.07
47	3	0.01	0.89	0.64
48	10	0.02	0.91	2.15
49	3	0.01	0.92	0.64
50	4	0.01	0.92	0.86
51	1	0.00	0.93	0.21
52	3	0.01	0.93	0.64
53	1	0.00	0.94	0.21
54	4	0.01	0.94	0.86
55	3	0.01	0.95	0.64
56	2	0.00	0.95	0.43
57	1	0.00	0.96	0.21
58	4	0.01	0.97	0.86
59	4	0.01	0.97	0.86
60	2	0.00	0.98	0.43
61	2	0.00	0.98	0.43
62	2	0.00	0.99	0.43
63	4	0.01	1.00	0.86
64	2	0.00	1.00	0.43

Bar plot

age (female)
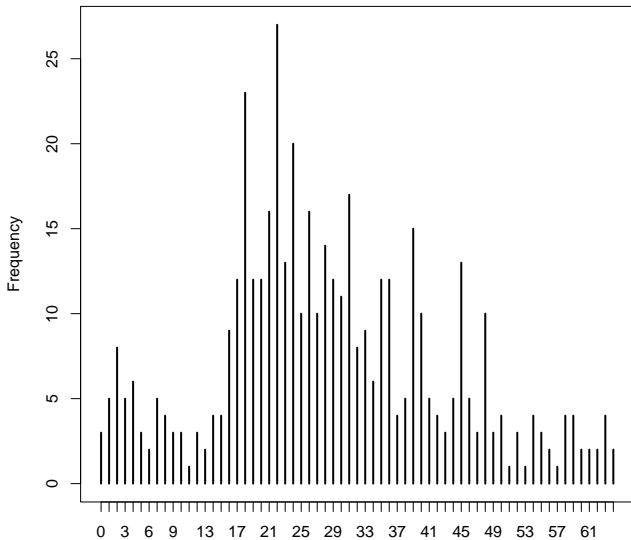
	Frequency
[0,5]	30
(5,10]	17
(10,15]	14
(15,20]	68
(20,25]	86
(25,30]	63
(30,35]	52
(35,40]	46
(40,45]	30
(45,50]	25
(50,55]	12
(55,60]	13
(60,65]	10
	466

Histogram
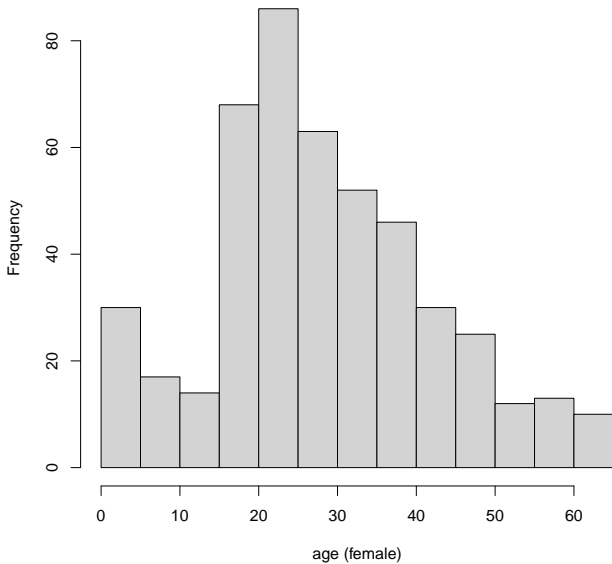
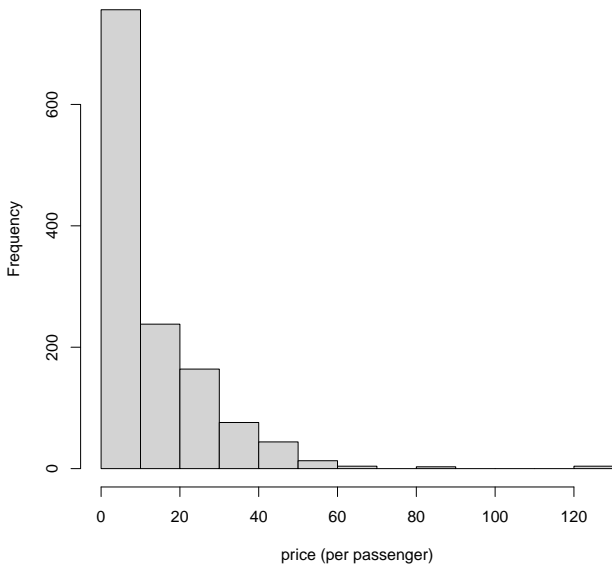|	Frequency	Rel. freq.
[0,10]	47	0.10
(10,20]	82	0.18
(20,30]	149	0.32
(30,40]	98	0.21
(40,65]	90	0.19
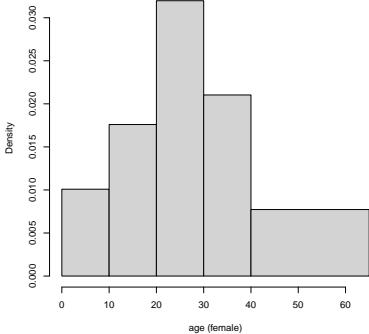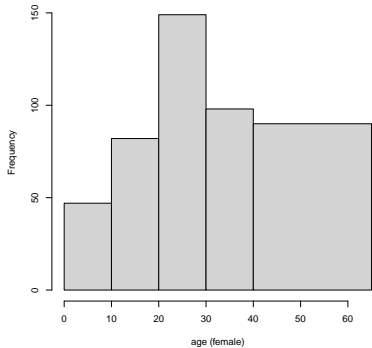
Right skewed frequency distribution

Outliers

Boxplot

age (female)