

5. Class width: 10. Class midpoints: 24.5, 34.5, 44.5, 54.5, 64.5, 74.5, 84.5. Class boundaries: 19.5, 29.5, 39.5, 49.5, 59.5, 69.5, 79.5, 89.5.
7. Class width: 10. Class midpoints: 54.5, 64.5, 74.5, 84.5, 94.5, 104.5, 114.5, 124.5. Class boundaries: 49.5, 59.5, 69.5, 79.5, 89.5, 99.5, 109.5, 119.5, 129.5.
9. Class width: 2.0. Class midpoints: 3.95, 5.95, 7.95, 9.95, 11.95. Class boundaries: 2.95, 4.95, 6.95, 8.95, 10.95, 12.95.
11. No. The frequencies do not satisfy the requirement of being roughly symmetric about the maximum frequency of 34.
13. 18, 7, 4
15. The actresses appear to be younger than the actors.

Age When Oscar Was Won	Relative Frequency (Actresses)	Relative Frequency (Actors)
20–29	32.9%	1.2%
30–39	41.5%	31.7%
40–49	15.9%	42.7%
50–59	2.4%	15.9%
60–69	4.9%	7.3%
70–79	1.2%	1.2%
80–89	1.2%	0.0%

17.

Age (years) of Best Actress When Oscar Was Won	Cumulative Frequency
Less than 30	27
Less than 40	61
Less than 50	74
Less than 60	76
Less than 70	80
Less than 80	81
Less than 90	82

19. Because there are disproportionately more 0s and 5s, it appears that the heights were disproportionately of measured. Consequently, it is likely that the results are not very accurate.

x	Frequency
0	9
1	2
2	1
3	3
4	1
5	15
6	2
7	0
8	3
9	1

21. Yes, the distribution appears to be a normal distribution.

Pulse Rate (Male)	Frequency
40–49	1
50–59	7
60–69	17
70–79	9
80–89	5
90–99	1

23. No, the distribution does not appear to be a normal distribution.

Magnitude	Frequency
0.00–0.49	5
0.50–0.99	15
1.00–1.49	19
1.50–1.99	7
2.00–2.49	2
2.50–2.99	2

25. Yes, the distribution appears to be roughly a normal distribution.

Red Blood Cell Count	Frequency
4.00–4.39	2
4.40–4.79	7
4.80–5.19	15
5.20–5.59	13
5.60–5.99	3

27. Yes. Among the 48 flights, 36 arrived on time or early, and 45 of the 48 flights arrived no more than 30 minutes late.

Arrival Delay (min)	Frequency
(–60)–(–31)	11
(–30)–(–1)	25
0–29	9
30–59	1
60–89	0
90–119	2

- 29.

Category	Relative Frequency
Male Survivors	16.2%
Males Who Died	62.8%
Female Survivors	15.5%
Females Who Died	5.5%