

1. Problem

Please make a dot plot from the following (unsorted) data.

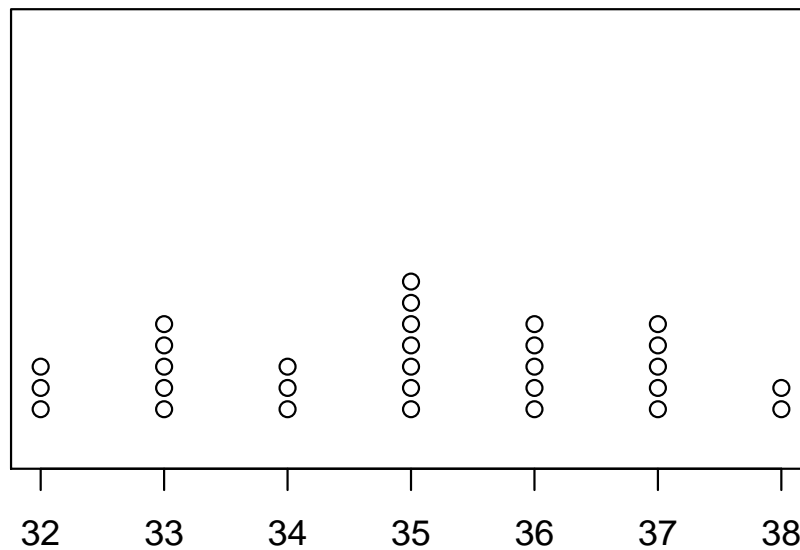
| | | | | | |
|----|----|----|----|----|----|
| 34 | 33 | 35 | 37 | 35 | 32 |
| 35 | 35 | 36 | 33 | 35 | 36 |
| 35 | 34 | 34 | 33 | 37 | 33 |
| 38 | 37 | 37 | 35 | 33 | 37 |
| 36 | 36 | 32 | 38 | 36 | 32 |

Solution

Make a frequency table.

| value | frequency |
|-------|-----------|
| 32 | 3 |
| 33 | 5 |
| 34 | 3 |
| 35 | 7 |
| 36 | 5 |
| 37 | 5 |
| 38 | 2 |

Make the dot plot.



2. Problem

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| 31.0915 | 30.0695 | 34.1894 | 35.5487 | 32.2125 | 32.1810 |
| 33.2698 | 35.1780 | 36.0380 | 33.3485 | 30.7000 | 35.6307 |
| 32.2753 | 32.3658 | 30.2527 | 33.2016 | 31.8191 | 36.4750 |
| 32.6105 | 31.2587 | 33.7788 | 30.3441 | 33.6838 | 30.0780 |

Solution

Make a frequency table.

| value | frequency |
|-------|-----------|
| 30 | 4 |
| 31 | 3 |
| 32 | 5 |
| 33 | 4 |
| 34 | 3 |
| 35 | 1 |
| 36 | 4 |

Make the histogram.

Histogram

