1. Problem

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

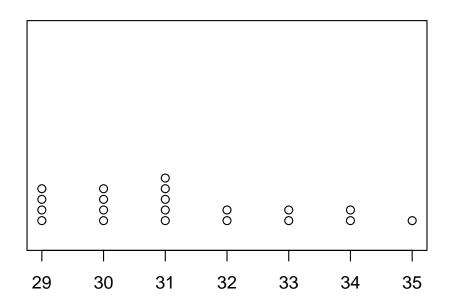
| 29 | 34 | 31 | 33 | 30 |
|----|----|----|----|----|
| 31 | 29 | 32 | 29 | 29 |
| 31 | 35 | 30 | 30 | 30 |
| 32 | 33 | 34 | 31 | 31 |

Solution

Make a frequency table.

| value | frequency |
|-------|-----------|
| | · · · · · |
| 29 | 4 |
| 30 | 4 |
| 31 | 5 |
| 32 | 2 |
| 33 | 2 |
| 34 | 2 |
| 35 | 1 |

Make the dot plot.



2. Problem

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

| 9.2069 | 9.2549 | 9.5201 | 12.1758 | 12.6306 | 10.4364 |
|---------|---------|---------|---------|---------|---------|
| 9.3574 | 9.1810 | 10.0015 | 9.6580 | 10.7549 | 9.0539 |
| 14.6734 | 9.1500 | 14.3181 | 12.3381 | 12.3704 | 12.0088 |
| 9.0291 | 11.8514 | 9.1783 | 9.4495 | 12.5093 | 9.0386 |
| 10.4148 | 12.4724 | 9.2466 | 11.6556 | 11.2057 | 9.8668 |
| | | | | | |

Solution

Make a frequency table.

| value | frequency |
|-------|-----------|
| 9 | 11 |
| 10 | 6 |
| 11 | 2 |
| 12 | 7 |
| 13 | 2 |
| 14 | 1 |
| 15 | 1 |
| | |

Make the histogram.

Histogram

