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

| | | | | | |
|---|---|---|---|---|---|
| 57 | 57 | 59 | 62 | 60 | 62 |
| 59 | 57 | 62 | 59 | 59 | 58 |
| 59 | 58 | 61 | 57 | 57 | 63 |
| 58 | 57 | 60 | 59 | 59 | 58 |
| 57 | 57 | 60 | 62 | 58 | 57 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 57 | 9 |
| 58 | 5 |
| 59 | 7 |
| 60 | 3 |
| 61 | 1 |
| 62 | 4 |
| 63 | 1 |

Make the dot plot.
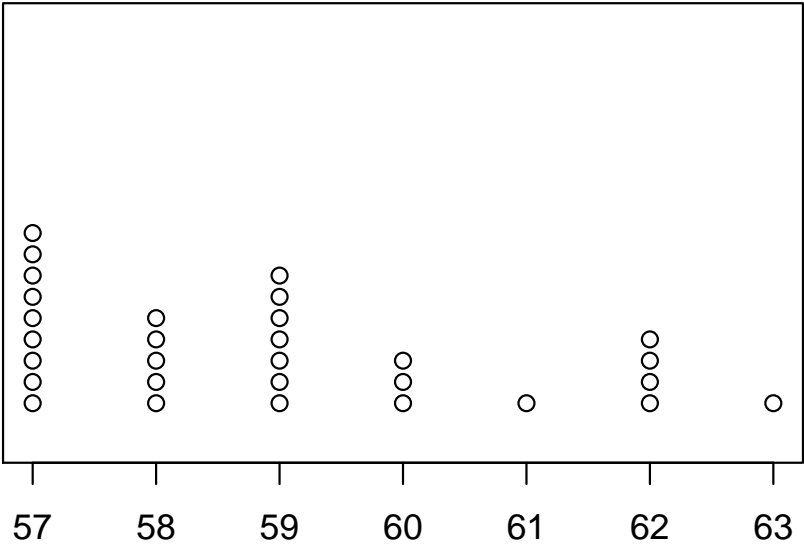
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
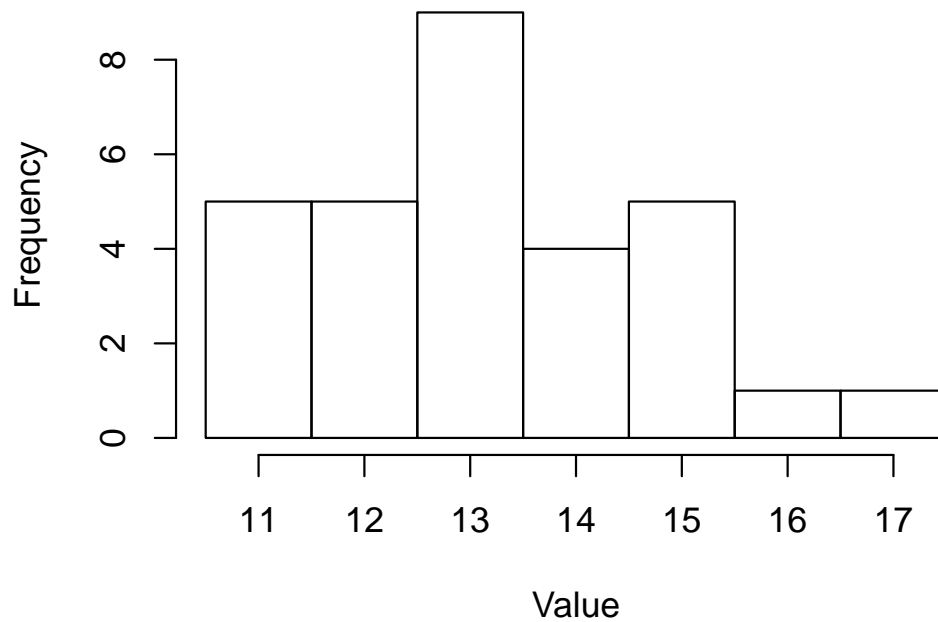
| 14.4092 | 13.3062 | 11.9966 | 16.2553 | 11.0495 | 11.4697 |
| 14.6091 | 13.3450 | 12.9148 | 12.5083 | 14.6858 | 14.0449 |
| 11.7254 | 11.2392 | 12.6988 | 12.2262 | 11.4872 | 16.7402 |
| 13.4566 | 13.8675 | 12.3549 | 13.0917 | 15.3676 | 12.7781 |
| 12.6157 | 11.1744 | 14.7213 | 11.5667 | 15.3025 | 13.6135 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 11 | 5 |
| 12 | 5 |
| 13 | 9 |
| 14 | 4 |
| 15 | 5 |
| 16 | 1 |
| 17 | 1 |

Make the histogram.

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

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

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 32 | 4 |
   | 33 | 3 |
   | 34 | 4 |
   | 35 | 0 |
   | 36 | 5 |
   | 37 | 2 |
   | 38 | 2 |

   Make the dot plot.
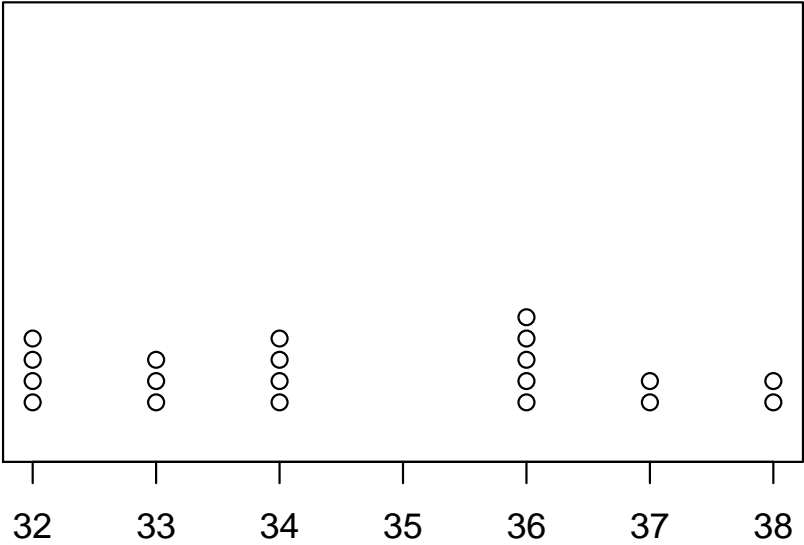
   

2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | |
|---|---|---|---|---|
| 9.9202 | 6.8003 | 3.5734 | 9.6007 | 4.8794 |
| 6.9588 | 8.6315 | 6.8226 | 9.3403 | 5.3562 |
| 11.1734 | 11.1624 | 10.7911 | 10.1028 | 10.5206 |
| 9.8034 | 7.1830 | 10.6311 | 10.1188 | 6.9063 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 4 | 1 |
| 5 | 2 |
| 6 | 0 |
| 7 | 5 |
| 8 | 0 |
| 9 | 2 |
| 10 | 5 |
| 11 | 5 |

Make the histogram.

# Histogram
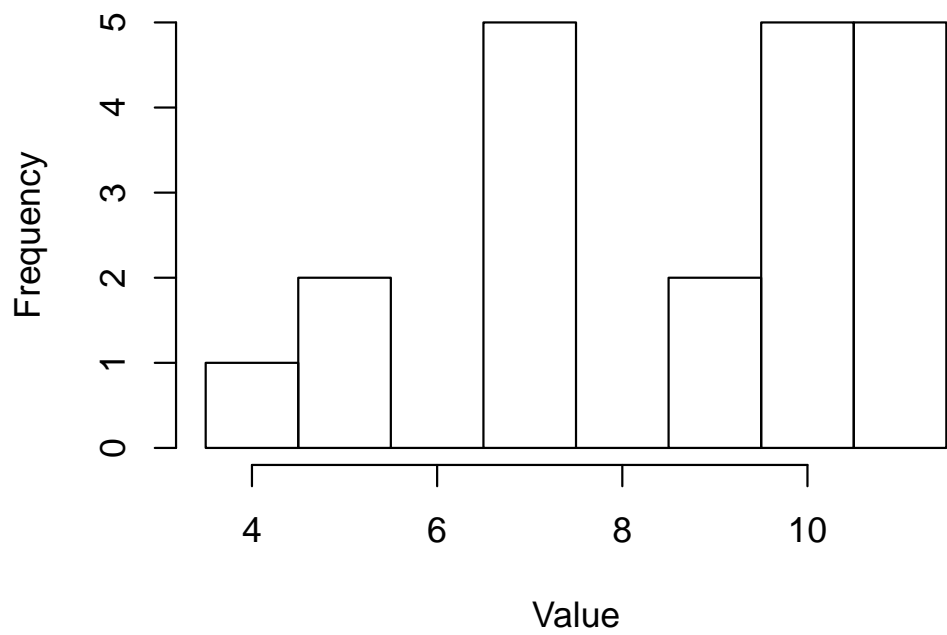
1. **Problem**
Please make a dot plot from the following (unsorted) data.

| | | | | | |
|----|----|----|----|----|----|
| 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.
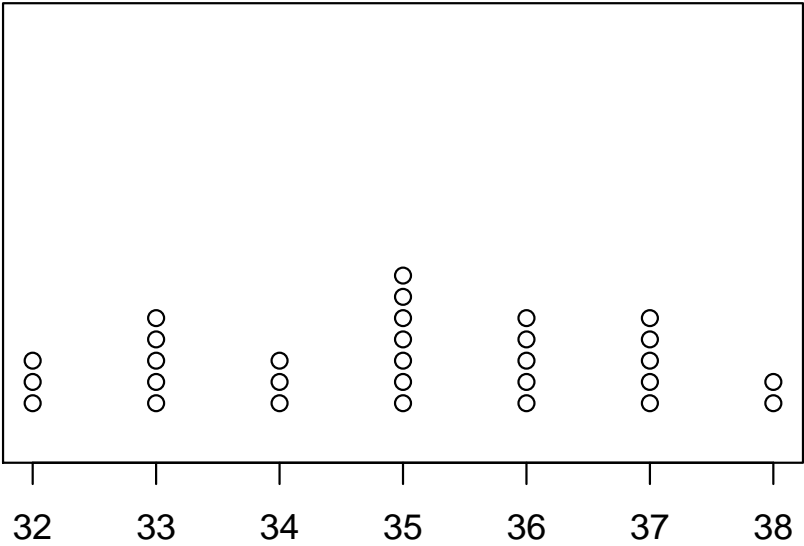
2. **Problem**

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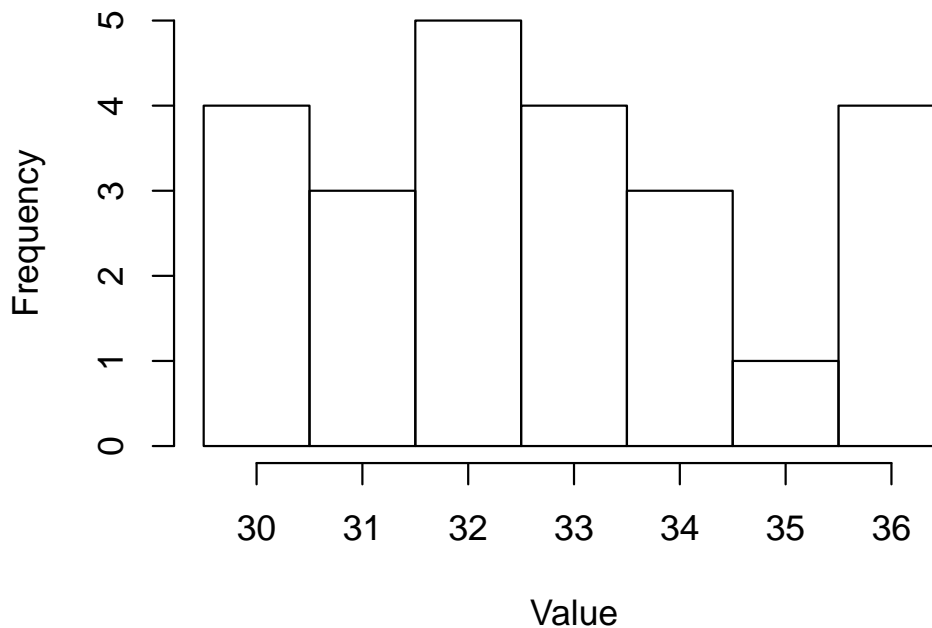
1. **Problem**
Please make a dot plot from the following (unsorted) data.

| 13 | 9 | 12 | 13 | 8 | 12 |
|----|----|----|----|----|----|
| 13 | 8 | 12 | 13 | 7 | 10 |
| 10 | 13 | 9 | 9 | 13 | 12 |
| 13 | 11 | 8 | 11 | 11 | 12 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 7 | 1 |
| 8 | 3 |
| 9 | 3 |
| 10 | 2 |
| 11 | 3 |
| 12 | 5 |
| 13 | 7 |

Make the dot plot.
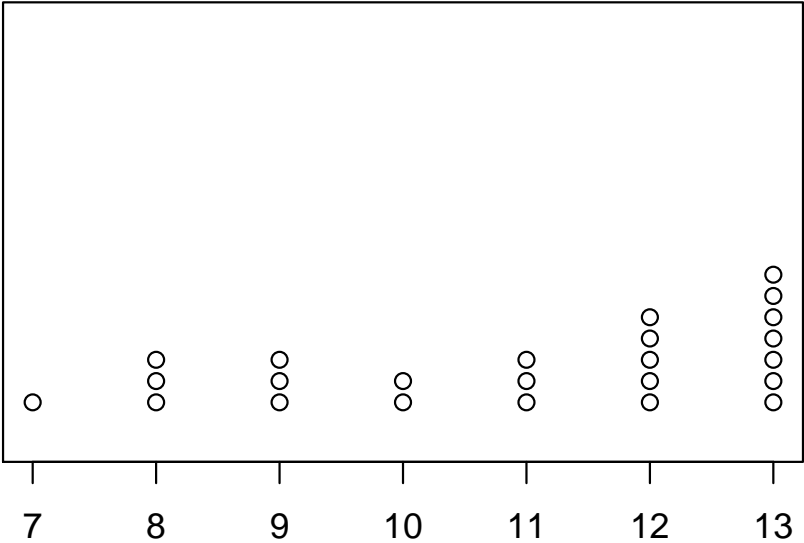
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
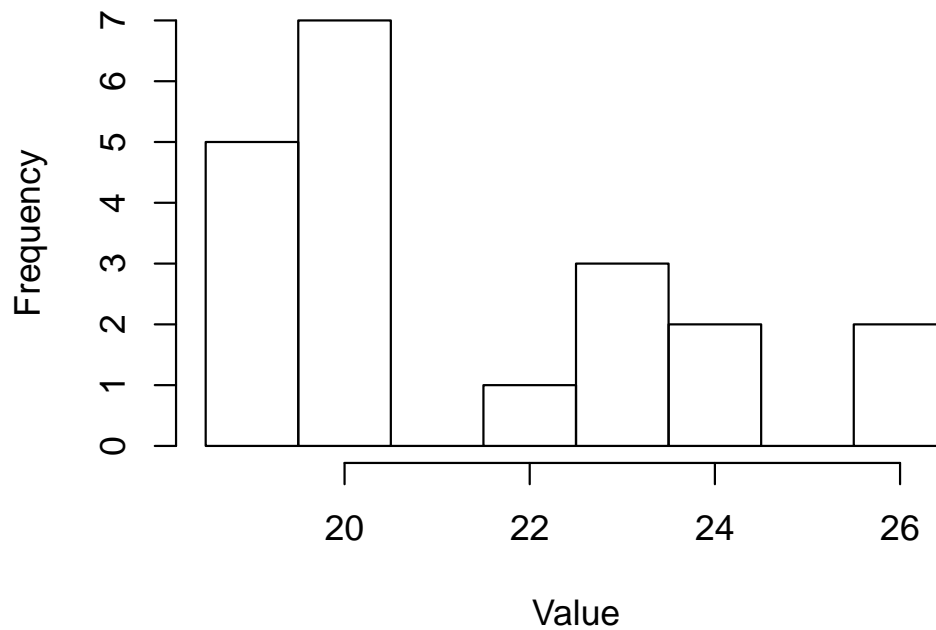
| | | | | |
|---|---|---|---|---|
| 26.2582 | 19.5141 | 22.8676 | 23.2565 | 19.7521 |
| 20.1208 | 23.2340 | 25.6795 | 20.1155 | 19.3399 |
| 19.9700 | 21.6214 | 19.5921 | 20.0589 | 24.3903 |
| 18.9685 | 23.5553 | 19.3946 | 19.3890 | 18.9969 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 19 | 5 |
| 20 | 7 |
| 21 | 0 |
| 22 | 1 |
| 23 | 3 |
| 24 | 2 |
| 25 | 0 |
| 26 | 2 |

Make the histogram.

# Histogram

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

   | | | | | | |
   |---|---|---|---|---|---|
   | 41 | 41 | 41 | 39 | 39 | 40 |
   | 39 | 36 | 41 | 41 | 35 | 37 |
   | 39 | 40 | 38 | 38 | 41 | 40 |
   | 34 | 41 | 40 | 36 | 37 | 41 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 34 | 1 |
   | 35 | 1 |
   | 36 | 2 |
   | 37 | 2 |
   | 38 | 2 |
   | 39 | 4 |
   | 40 | 4 |
   | 41 | 8 |

   Make the dot plot.
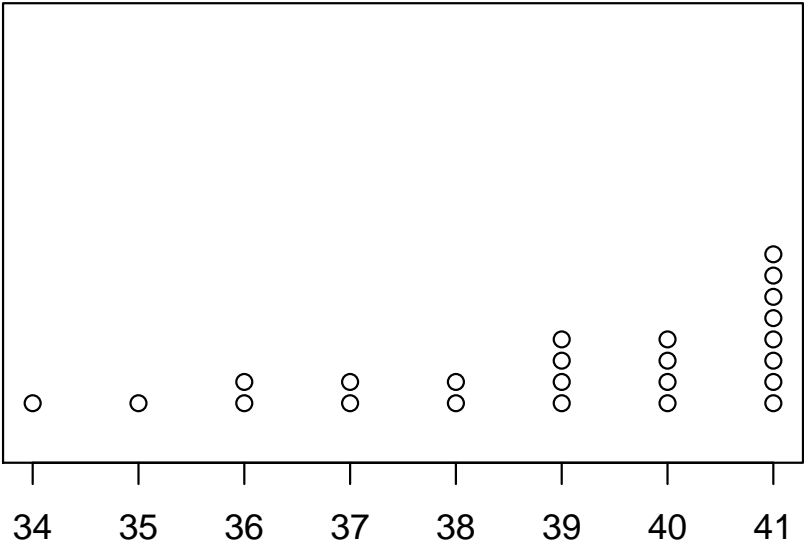
2. **Problem**

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
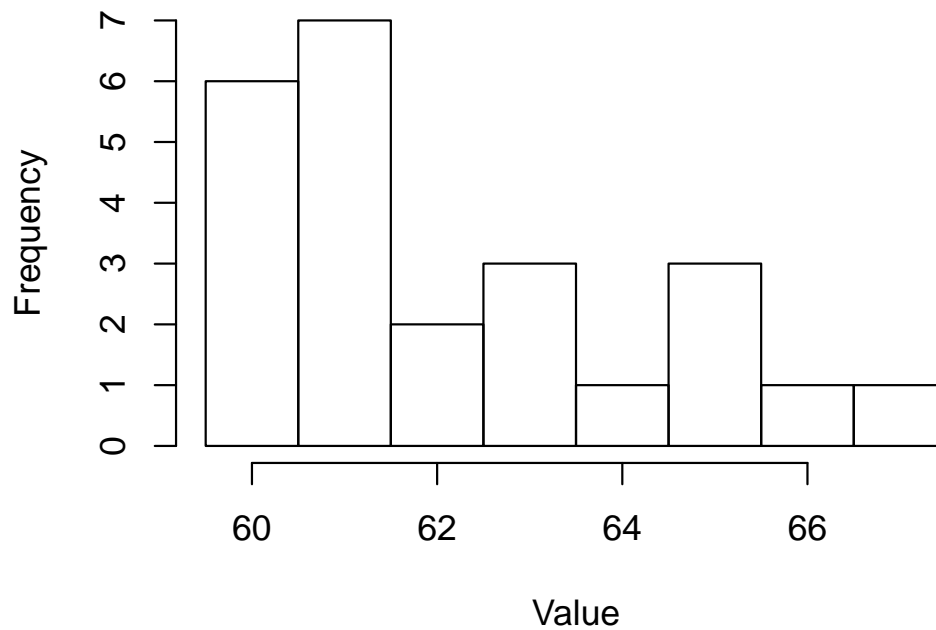
| | | | | | |
|---|---|---|---|---|---|
| 62.3165 | 66.8490 | 63.3147 | 62.2431 | 61.1814 | 62.9456 |
| 60.4594 | 64.9234 | 66.3899 | 60.4749 | 63.1669 | 60.6765 |
| 60.1324 | 64.1351 | 60.2133 | 61.2250 | 61.2795 | 65.2670 |
| 61.0507 | 61.1449 | 60.8122 | 64.6842 | 60.3854 | 60.2798 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 60 | 6 |
| 61 | 7 |
| 62 | 2 |
| 63 | 3 |
| 64 | 1 |
| 65 | 3 |
| 66 | 1 |
| 67 | 1 |

Make the histogram.

## Histogram

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

| | | | | |
|---|---|---|---|---|
| 20 | 21 | 17 | 21 | 21 |
| 24 | 21 | 20 | 17 | 17 |
| 20 | 21 | 24 | 22 | 24 |
| 23 | 18 | 19 | 23 | 20 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 17 | 3 |
| 18 | 1 |
| 19 | 1 |
| 20 | 4 |
| 21 | 5 |
| 22 | 1 |
| 23 | 2 |
| 24 | 3 |

Make the dot plot.
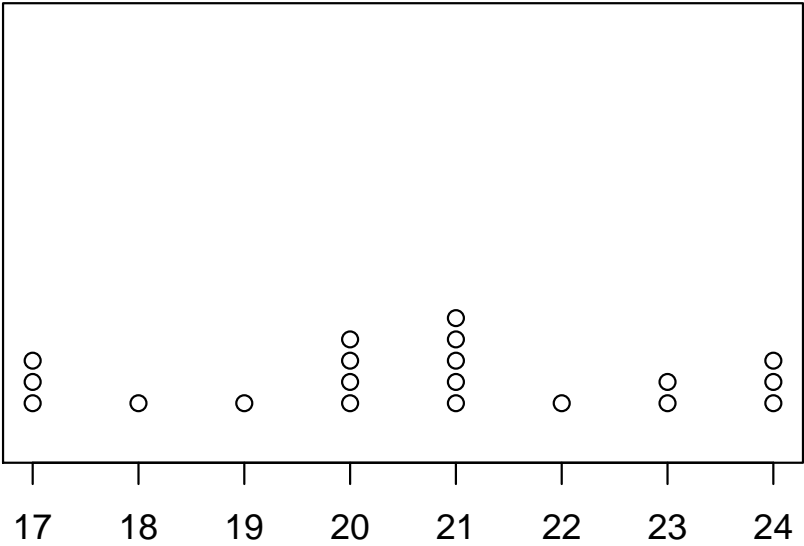
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
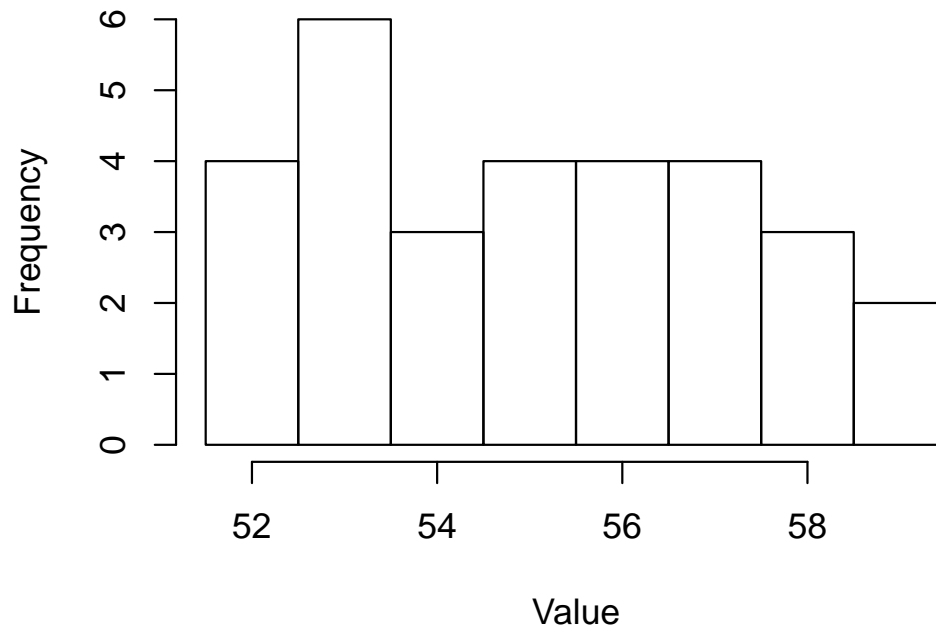
| | | | | | |
|---|---|---|---|---|---|
| 55.7234 | 59.0974 | 58.5364 | 53.0591 | 56.0040 | 57.1772 |
| 51.6349 | 52.6723 | 53.3648 | 53.2782 | 57.2147 | 57.2681 |
| 57.7613 | 55.6188 | 52.0837 | 54.8619 | 57.1679 | 56.0109 |
| 58.2609 | 55.1582 | 54.9108 | 52.6420 | 53.3739 | 54.7276 |
| 53.7971 | 52.0611 | 57.8905 | 54.4138 | 54.3818 | 51.5909 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 52 | 4 |
| 53 | 6 |
| 54 | 3 |
| 55 | 4 |
| 56 | 4 |
| 57 | 4 |
| 58 | 3 |
| 59 | 2 |

Make the histogram.



**Histogram**

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

| 53 | 55 | 54 | 55 | 51 | 55 |
|----|----|----|----|----|----|
| 54 | 53 | 54 | 55 | 52 | 54 |
| 54 | 51 | 52 | 51 | 51 | 55 |
| 53 | 51 | 54 | 51 | 51 | 54 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 51 | 7 |
| 52 | 2 |
| 53 | 3 |
| 54 | 7 |
| 55 | 5 |

Make the dot plot.
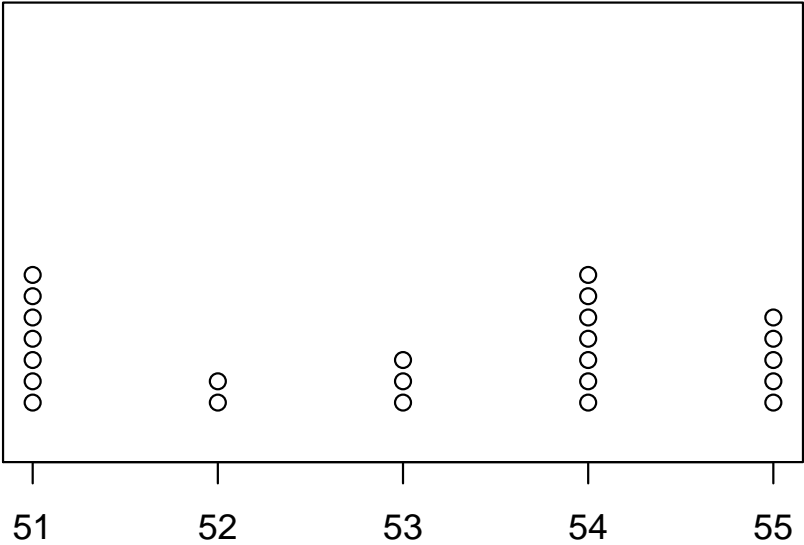
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
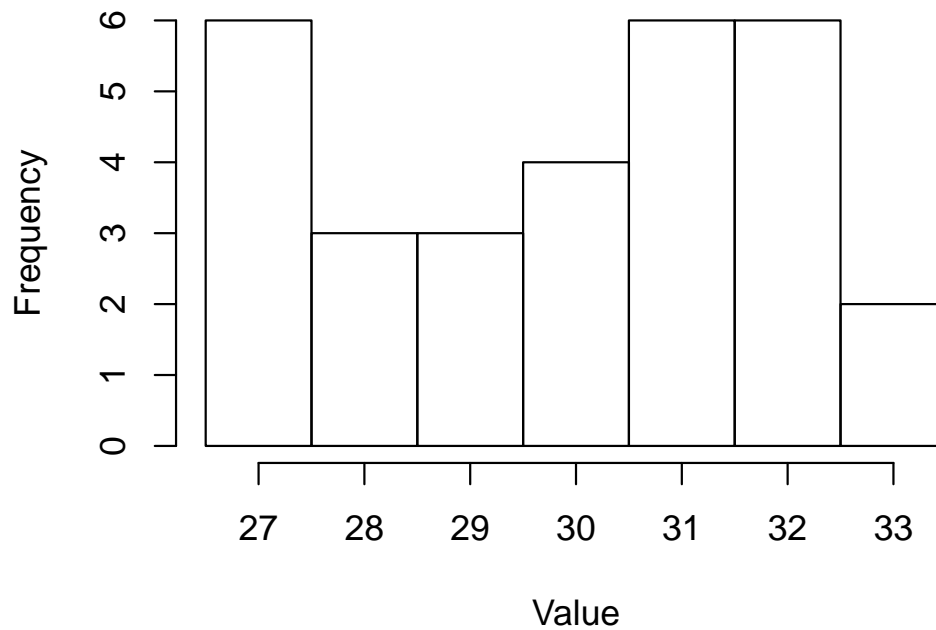
| | | | | | |
|---|---|---|---|---|---|
| 32.8201 | 27.7238 | 26.8074 | 29.1022 | 26.8669 | 31.1417 |
| 27.2485 | 29.5684 | 32.2030 | 28.2653 | 27.0917 | 31.5793 |
| 29.1215 | 27.6318 | 27.4419 | 29.8927 | 32.5300 | 26.7177 |
| 30.3773 | 31.1362 | 30.5521 | 30.5156 | 31.8444 | 31.9692 |
| 30.1981 | 31.9197 | 31.0182 | 31.5077 | 30.5075 | 28.5467 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 27 | 6 |
| 28 | 3 |
| 29 | 3 |
| 30 | 4 |
| 31 | 6 |
| 32 | 6 |
| 33 | 2 |

Make the histogram.

# Histogram

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

| 5 | 9 | 9 | 6 | 5 |
|---|---|---|---|---|
| 8 | 8 | 9 | 6 | 8 |
| 5 | 9 | 5 | 7 | 6 |
| 3 | 7 | 3 | 9 | 6 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 3 | 2 |
| 4 | 0 |
| 5 | 4 |
| 6 | 4 |
| 7 | 2 |
| 8 | 3 |
| 9 | 5 |

Make the dot plot.
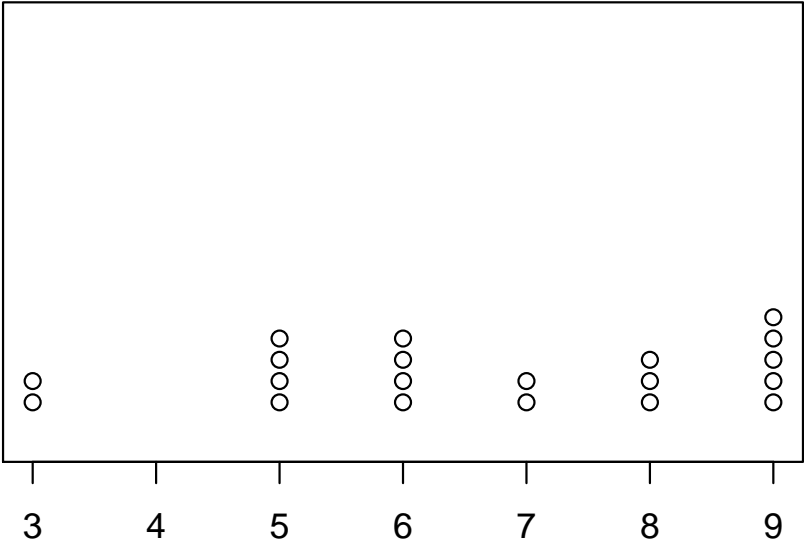
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
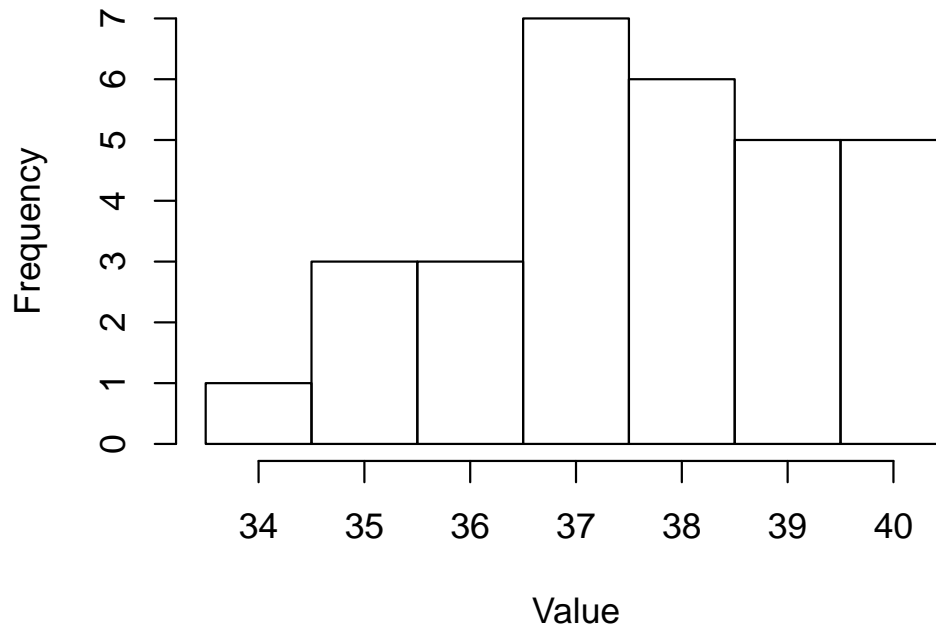
| | | | | | |
|---|---|---|---|---|---|
| 37.7989 | 34.1300 | 36.7980 | 36.1795 | 40.0247 | 38.4524 |
| 35.3163 | 37.2925 | 38.8928 | 38.0990 | 36.8374 | 38.4965 |
| 37.1272 | 34.8052 | 37.7937 | 39.9539 | 35.9052 | 38.6013 |
| 39.1471 | 36.9025 | 35.6244 | 39.2483 | 37.5470 | 37.4595 |
| 39.8873 | 40.1424 | 37.3773 | 35.4315 | 38.5620 | 39.7125 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 34 | 1 |
| 35 | 3 |
| 36 | 3 |
| 37 | 7 |
| 38 | 6 |
| 39 | 5 |
| 40 | 5 |

Make the histogram.

# Histogram

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

| | | | | |
|---|---|---|---|---|
| 56 | 53 | 59 | 55 | 57 |
| 53 | 54 | 57 | 53 | 58 |
| 53 | 58 | 54 | 56 | 56 |
| 58 | 57 | 53 | 52 | 58 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 52 | 1 |
| 53 | 5 |
| 54 | 2 |
| 55 | 1 |
| 56 | 3 |
| 57 | 3 |
| 58 | 4 |
| 59 | 1 |

Make the dot plot.
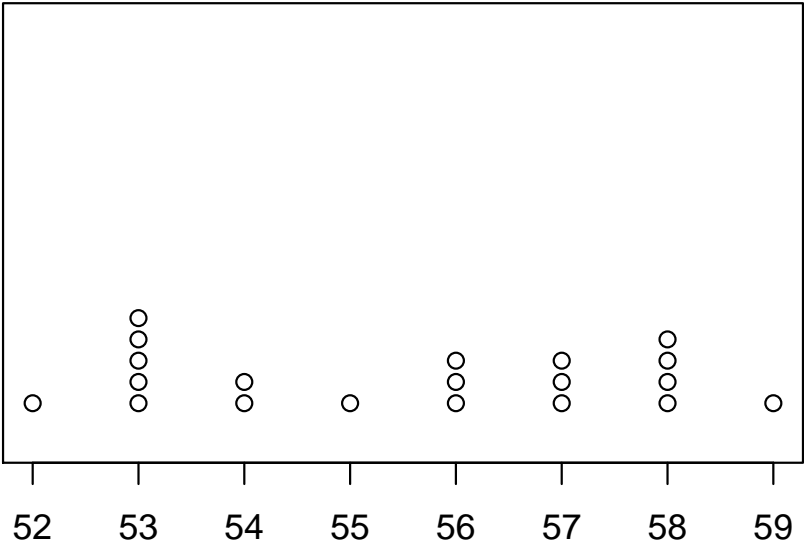
2. **Problem**

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
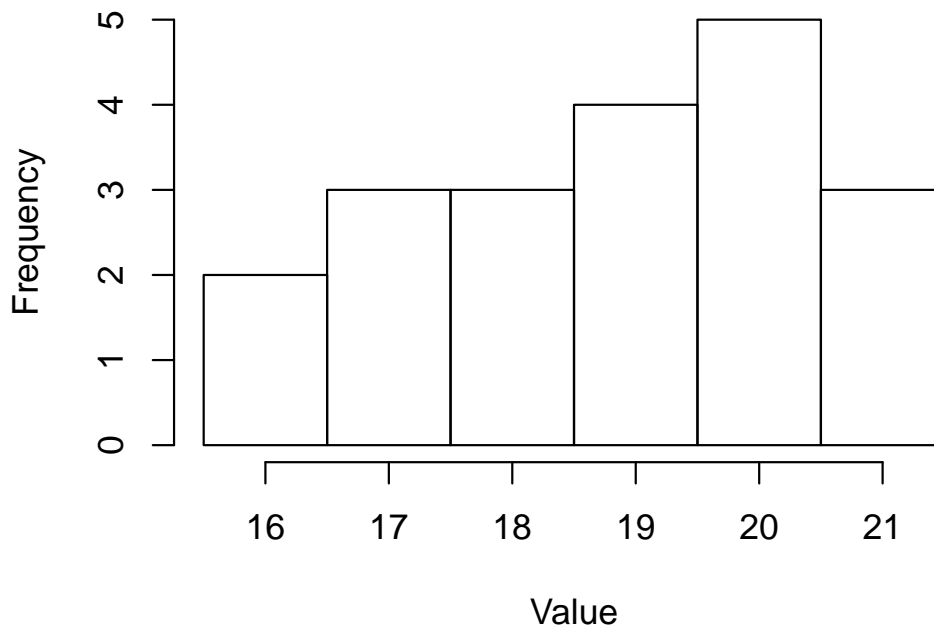
| | | | | |
|---|---|---|---|---|
| 18.3925 | 16.3448 | 19.9399 | 20.5184 | 20.8517 |
| 17.3239 | 20.9141 | 20.0268 | 16.9699 | 20.1580 |
| 16.8543 | 16.1740 | 18.1335 | 19.5557 | 19.0314 |
| 20.0141 | 19.0962 | 19.0479 | 17.7766 | 18.9264 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 16 | 2 |
| 17 | 3 |
| 18 | 3 |
| 19 | 4 |
| 20 | 5 |
| 21 | 3 |

Make the histogram.

# Histogram

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

   | | | | | | |
   |---|---|---|---|---|---|
   | 6 | 5 | 6 | 4 | 5 | 4 |
   | 8 | 6 | 8 | 7 | 10 | 7 |
   | 6 | 5 | 11 | 7 | 8 | 5 |
   | 10 | 8 | 5 | 11 | 9 | 9 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 4 | 2 |
   | 5 | 5 |
   | 6 | 4 |
   | 7 | 3 |
   | 8 | 4 |
   | 9 | 2 |
   | 10 | 2 |
   | 11 | 2 |

   Make the dot plot.
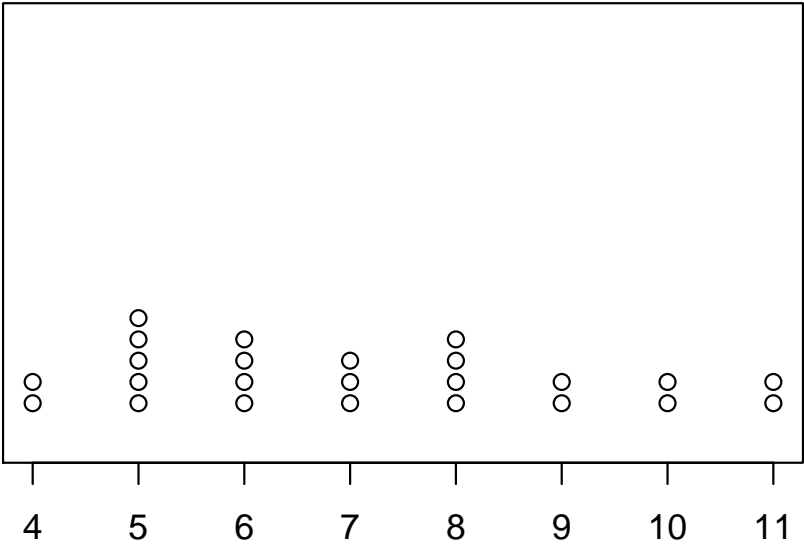
   

2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | |
|---|---|---|---|---|
| 58.4483 | 56.8671 | 62.1813 | 61.6532 | 63.6543 |
| 58.5651 | 60.9767 | 63.8093 | 61.5173 | 63.2685 |
| 60.0512 | 63.6883 | 63.8351 | 62.2625 | 58.0857 |
| 58.1186 | 61.7829 | 63.0876 | 59.4203 | 61.4544 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 57 | 1 |
| 58 | 3 |
| 59 | 2 |
| 60 | 1 |
| 61 | 2 |
| 62 | 5 |
| 63 | 2 |
| 64 | 4 |

Make the histogram.
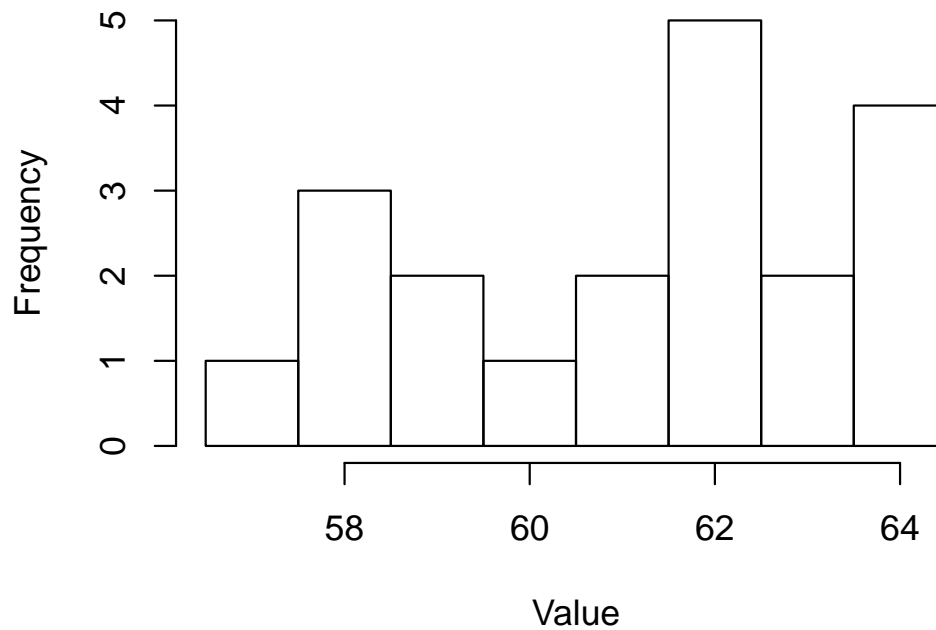
1. **Problem**
Please make a dot plot from the following (unsorted) data.

| 28 | 24 | 27 | 29 | 26 |
|----|----|----|----|----|
| 25 | 26 | 28 | 27 | 25 |
| 26 | 29 | 29 | 27 | 28 |
| 27 | 29 | 28 | 27 | 26 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 24 | 1 |
| 25 | 2 |
| 26 | 4 |
| 27 | 5 |
| 28 | 4 |
| 29 | 4 |

Make the dot plot.
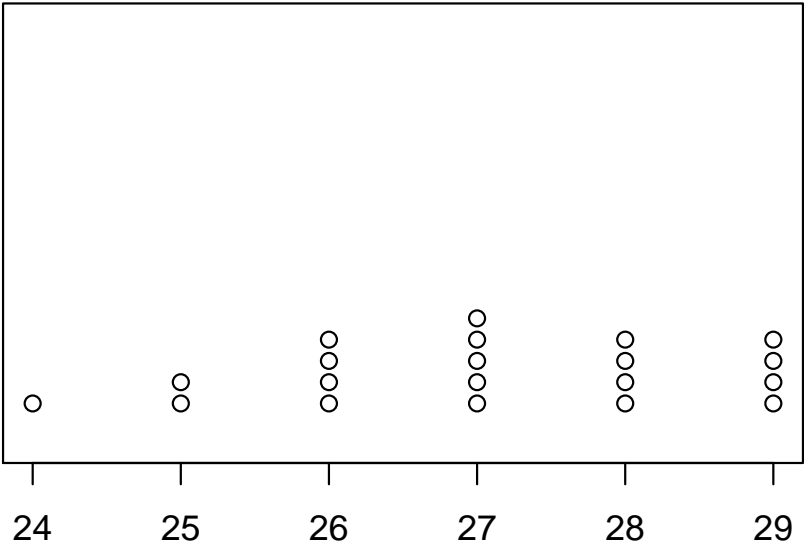
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | | |
|---|---|---|---|---|---|
| 37.6887 | 39.8073 | 39.6315 | 32.7384 | 38.6239 | 32.8055 |
| 36.5635 | 38.4814 | 37.1769 | 32.7364 | 34.6519 | 36.1520 |
| 37.8428 | 33.7954 | 36.2838 | 35.9017 | 34.0604 | 35.5701 |
| 34.7604 | 32.8597 | 33.5502 | 35.5882 | 34.2630 | 35.5375 |
| 40.5339 | 38.6206 | 35.5597 | 33.6976 | 33.0948 | 32.6556 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 33 | 6 |
| 34 | 5 |
| 35 | 2 |
| 36 | 7 |
| 37 | 2 |
| 38 | 3 |
| 39 | 2 |
| 40 | 2 |
| 41 | 1 |

Make the histogram.

# Histogram
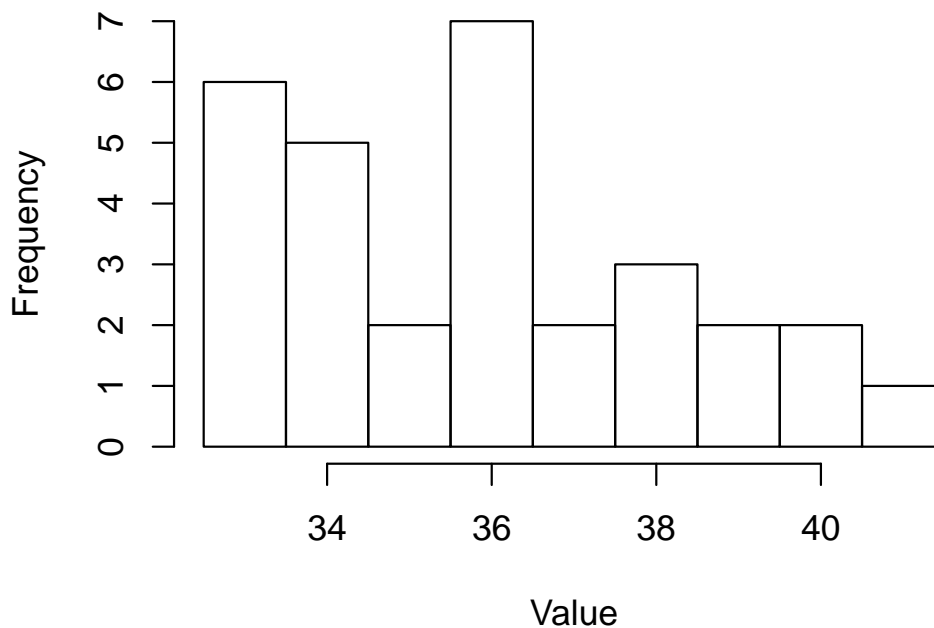
1. **Problem**
   Please make a dot plot from the following (unsorted) data.

   | 24 | 24 | 23 | 24 | 24 | 23 |
   |----|----|----|----|----|----|
   | 24 | 24 | 23 | 26 | 25 | 24 |
   | 24 | 25 | 25 | 24 | 30 | 26 |
   | 25 | 23 | 24 | 23 | 27 | 24 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 23 | 5 |
   | 24 | 11 |
   | 25 | 4 |
   | 26 | 2 |
   | 27 | 1 |
   | 28 | 0 |
   | 29 | 0 |
   | 30 | 1 |

   Make the dot plot.
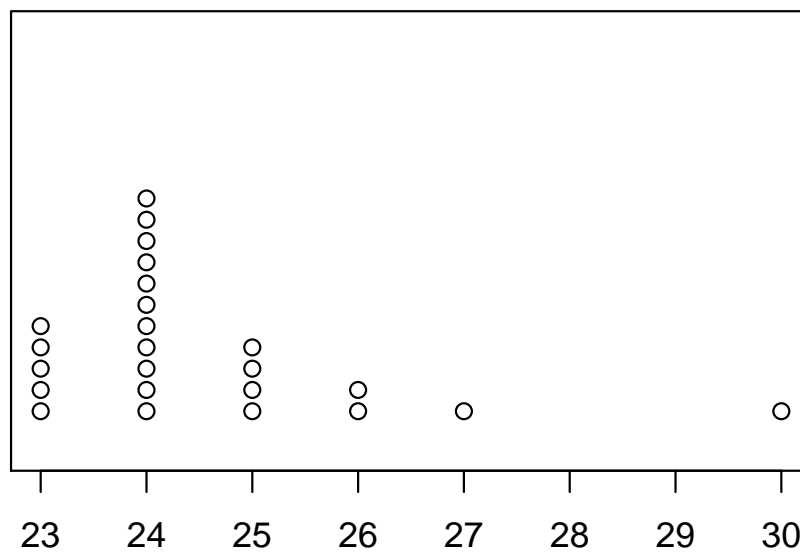
2. **Problem**

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

| | | | | | |
|---|---|---|---|---|---|
| 33.4657 | 30.4941 | 30.3701 | 29.4336 | 29.4839 | 33.2063 |
| 29.0565 | 27.6937 | 29.2447 | 30.4475 | 33.5943 | 33.0512 |
| 30.4087 | 30.3982 | 30.7834 | 28.1487 | 29.6757 | 29.9931 |
| 30.1416 | 29.0360 | 32.5800 | 30.2449 | 29.0437 | 32.4298 |
| 28.8407 | 32.1393 | 31.2778 | 29.7176 | 28.6733 | 30.5017 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 28 | 2 |
| 29 | 8 |
| 30 | 10 |
| 31 | 3 |
| 32 | 2 |
| 33 | 4 |
| 34 | 1 |

Make the histogram.

# Histogram
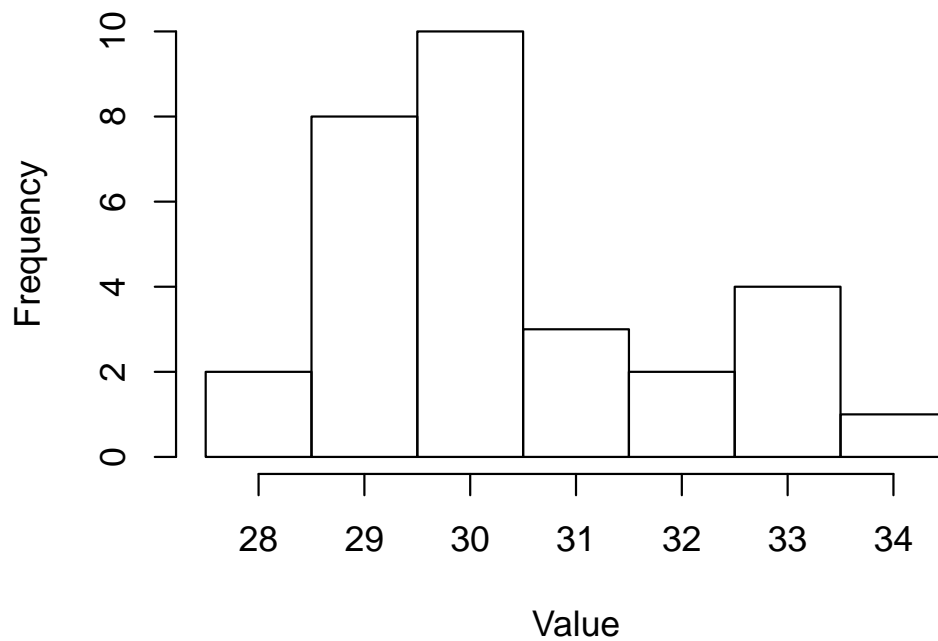
1. **Problem**
Please make a dot plot from the following (unsorted) data.

| | | | | | |
|---|---|---|---|---|---|
| 55 | 51 | 52 | 54 | 55 | 52 |
| 52 | 53 | 50 | 55 | 56 | 54 |
| 52 | 55 | 55 | 56 | 56 | 56 |
| 54 | 52 | 56 | 50 | 55 | 55 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 50 | 2 |
| 51 | 1 |
| 52 | 5 |
| 53 | 1 |
| 54 | 3 |
| 55 | 7 |
| 56 | 5 |

Make the dot plot.
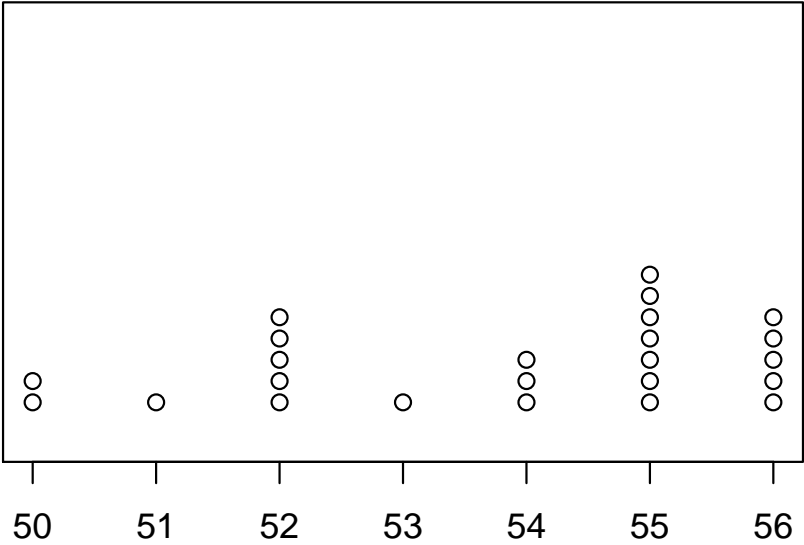
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
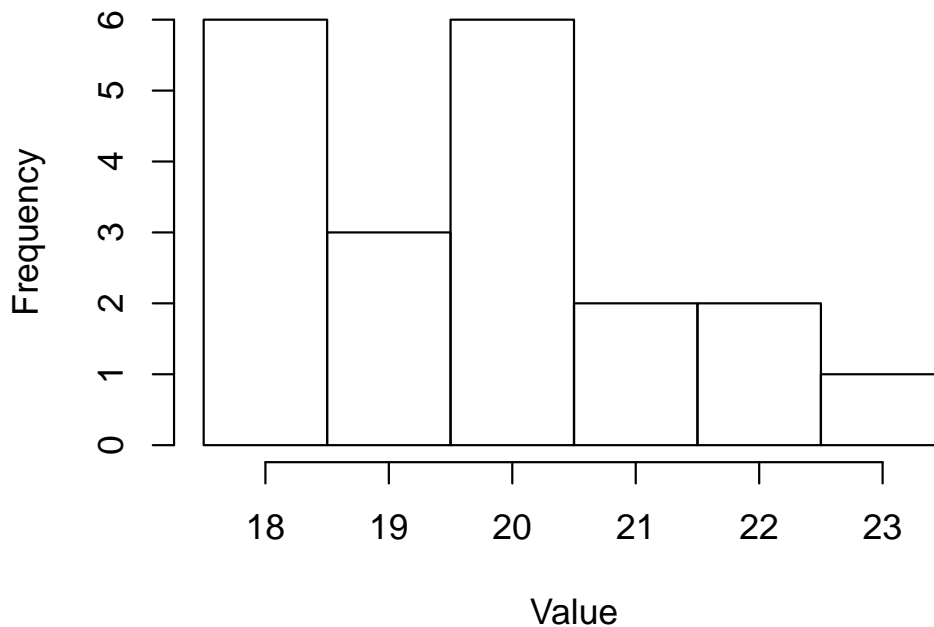
| | | | | |
|---|---|---|---|---|
| 19.2270 | 22.3415 | 20.0168 | 20.2247 | 21.0188 |
| 22.5215 | 17.6906 | 17.8050 | 18.1292 | 19.5526 |
| 19.7886 | 21.3710 | 20.0273 | 17.7026 | 17.8027 |
| 19.1934 | 19.7670 | 18.6890 | 21.8467 | 18.2286 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 18 | 6 |
| 19 | 3 |
| 20 | 6 |
| 21 | 2 |
| 22 | 2 |
| 23 | 1 |

Make the histogram.

# Histogram

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

   | 43 | 44 | 46 | 40 | 40 | 40 |
   |----|----|----|----|----|----|
   | 46 | 40 | 46 | 46 | 45 | 46 |
   | 46 | 46 | 43 | 45 | 40 | 45 |
   | 41 | 46 | 45 | 41 | 45 | 40 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 40 | 6 |
   | 41 | 2 |
   | 42 | 0 |
   | 43 | 2 |
   | 44 | 1 |
   | 45 | 5 |
   | 46 | 8 |

   Make the dot plot.
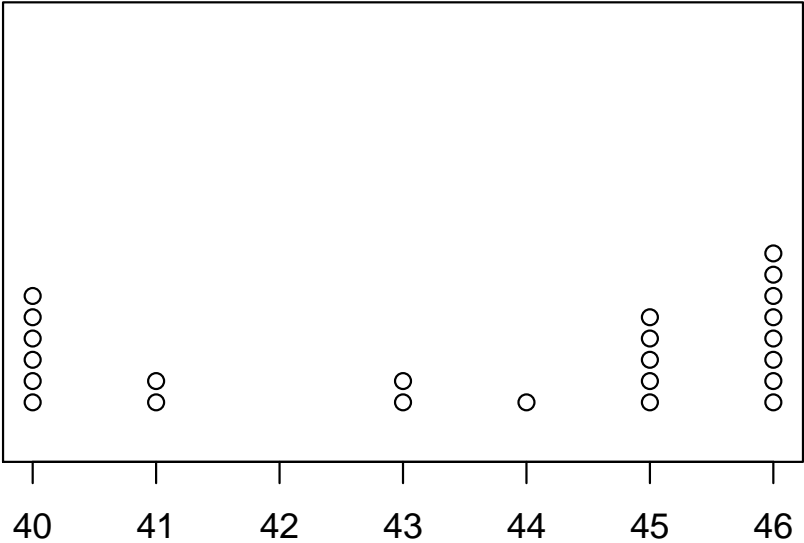
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | |
|---|---|---|---|---|
| 46.5783 | 39.5668 | 43.9448 | 45.5731 | 42.5275 |
| 42.5947 | 43.1176 | 42.2854 | 45.6979 | 40.5963 |
| 45.3355 | 42.6527 | 42.1712 | 45.6962 | 41.2862 |
| 43.7885 | 43.2282 | 41.8820 | 44.6269 | 41.2791 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 40 | 1 |
| 41 | 3 |
| 42 | 3 |
| 43 | 5 |
| 44 | 2 |
| 45 | 2 |
| 46 | 3 |
| 47 | 1 |

Make the histogram.



**Histogram**
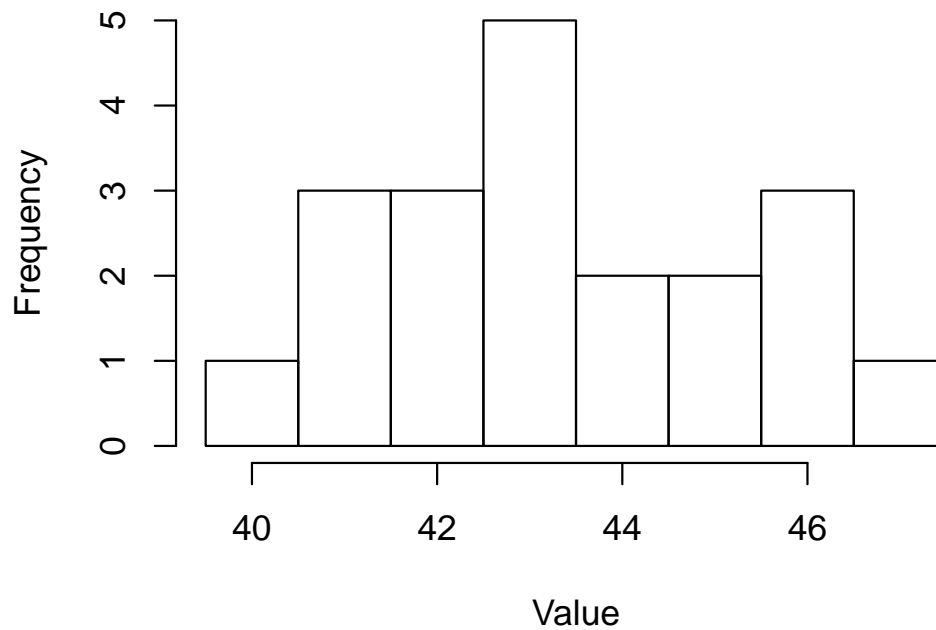
1. **Problem**
Please make a dot plot from the following (unsorted) data.

| 35 | 29 | 31 | 35 | 29 | 30 |
|----|----|----|----|----|----|
| 34 | 31 | 30 | 35 | 32 | 32 |
| 30 | 30 | 33 | 30 | 30 | 30 |
| 36 | 35 | 29 | 33 | 32 | 31 |
| 34 | 30 | 34 | 31 | 34 | 32 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 29 | 3 |
| 30 | 8 |
| 31 | 4 |
| 32 | 4 |
| 33 | 2 |
| 34 | 4 |
| 35 | 4 |
| 36 | 1 |

Make the dot plot.
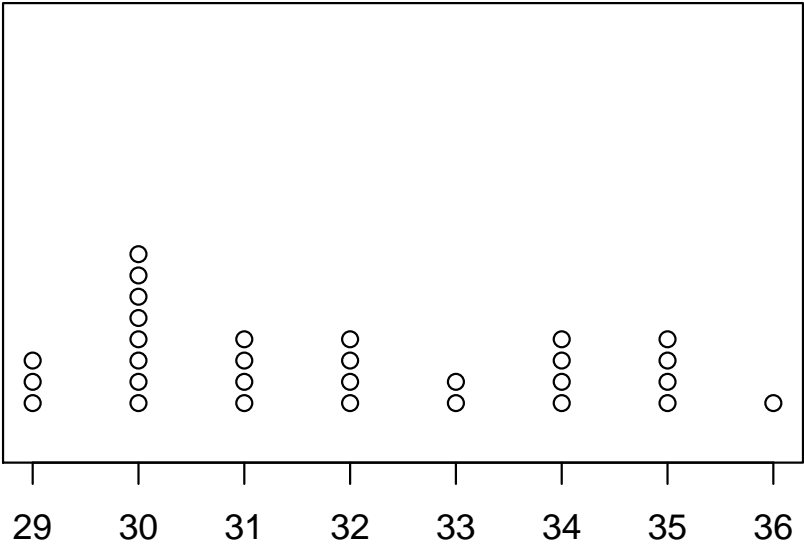
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | | |
|---|---|---|---|---|---|
| 42.8688 | 44.6370 | 47.3691 | 47.5822 | 46.8025 | 44.4190 |
| 43.1466 | 44.5278 | 44.9096 | 47.2377 | 46.3508 | 41.8186 |
| 41.8199 | 44.5865 | 45.9573 | 46.8065 | 44.5644 | 46.8368 |
| 44.3966 | 47.4738 | 44.6195 | 42.8227 | 45.4375 | 45.4011 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 42 | 2 |
| 43 | 3 |
| 44 | 2 |
| 45 | 8 |
| 46 | 2 |
| 47 | 6 |
| 48 | 1 |

Make the histogram.

# Histogram
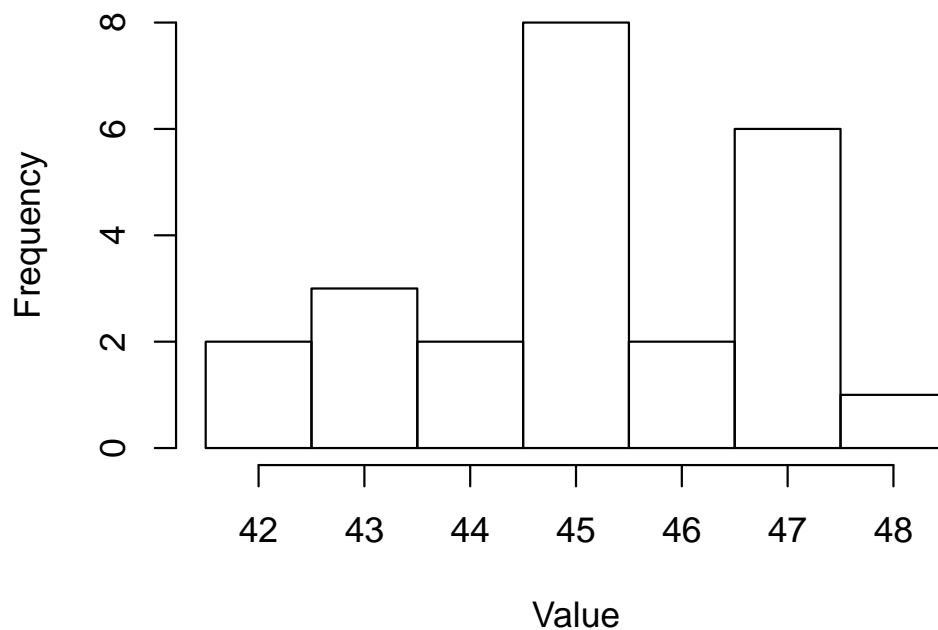
1. **Problem**
   Please make a dot plot from the following (unsorted) data.

   | | | | | |
   |---|---|---|---|---|
   | 55 | 53 | 53 | 55 | 53 |
   | 53 | 55 | 55 | 53 | 56 |
   | 53 | 53 | 59 | 54 | 53 |
   | 53 | 55 | 54 | 53 | 53 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 53 | 11 |
   | 54 | 2 |
   | 55 | 5 |
   | 56 | 1 |
   | 57 | 0 |
   | 58 | 0 |
   | 59 | 1 |

   Make the dot plot.
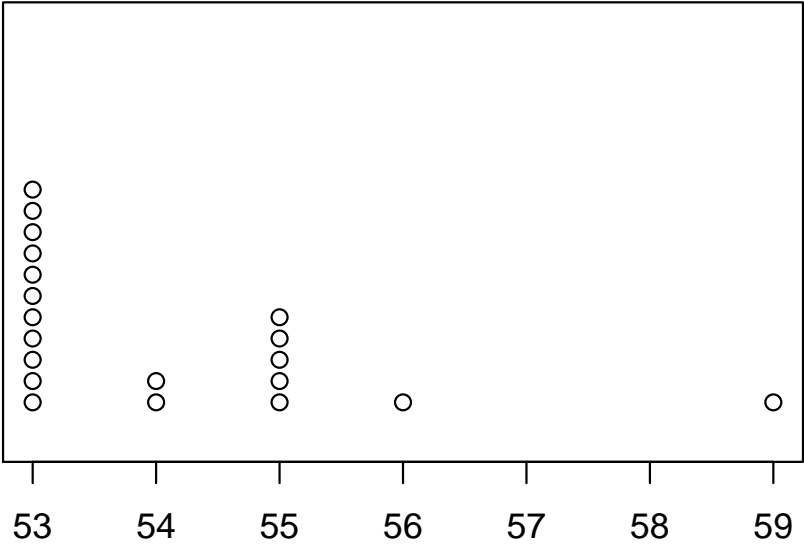
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
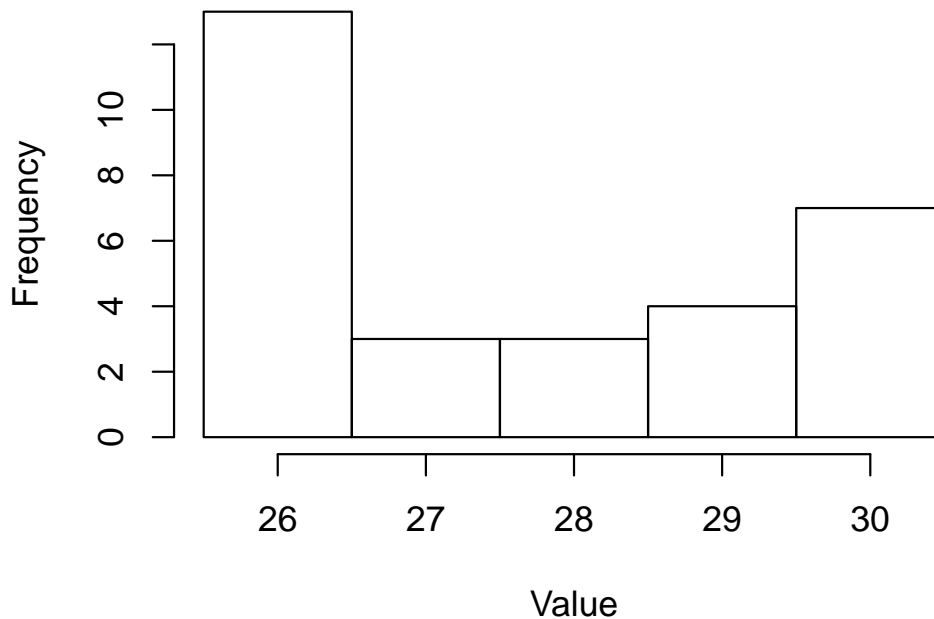
| | | | | | |
|---|---|---|---|---|---|
| 26.1369 | 30.0897 | 25.6799 | 25.9617 | 29.2652 | 26.1910 |
| 27.1073 | 29.9754 | 25.7204 | 30.4435 | 29.3662 | 25.7172 |
| 29.8563 | 27.9200 | 25.5248 | 26.3074 | 30.4679 | 29.5047 |
| 26.1012 | 25.8957 | 25.5526 | 30.3222 | 28.4618 | 27.7900 |
| 26.0619 | 26.4490 | 28.5928 | 26.6428 | 28.9754 | 26.5137 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 26 | 13 |
| 27 | 3 |
| 28 | 3 |
| 29 | 4 |
| 30 | 7 |

Make the histogram.

# Histogram

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

| | | | | | |
|---|---|---|---|---|---|
| 33 | 33 | 31 | 31 | 32 | 29 |
| 30 | 29 | 31 | 33 | 33 | 32 |
| 32 | 33 | 31 | 33 | 29 | 33 |
| 32 | 33 | 33 | 33 | 33 | 33 |
| 30 | 33 | 33 | 32 | 32 | 31 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 29 | 3 |
| 30 | 2 |
| 31 | 5 |
| 32 | 6 |
| 33 | 14 |

Make the dot plot.
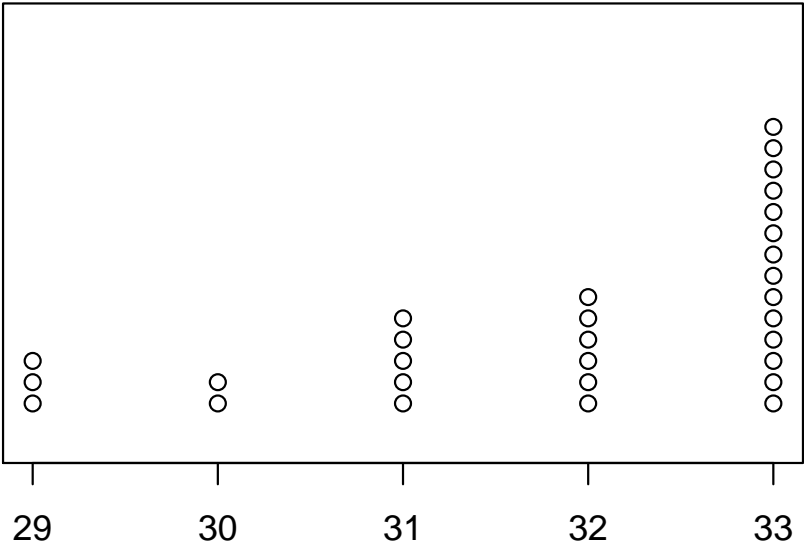
2. **Problem**

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
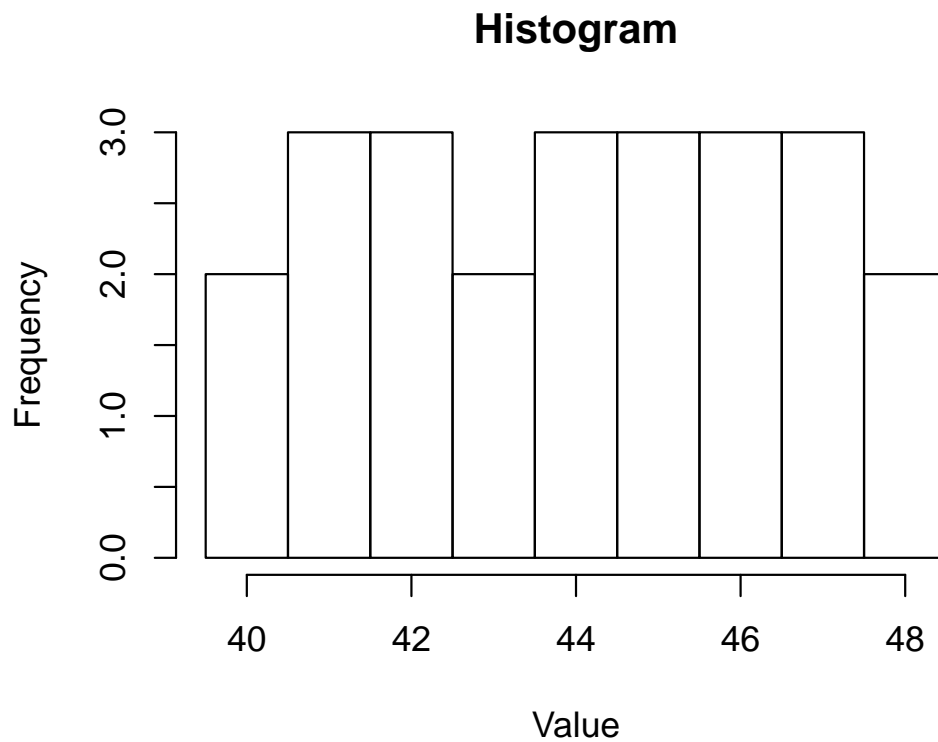
| | | | | | |
|---|---|---|---|---|---|
| 43.1865 | 45.9518 | 40.1236 | 43.3938 | 44.9283 | 45.9657 |
| 41.4139 | 46.6525 | 40.8028 | 42.2133 | 45.9086 | 44.0118 |
| 44.0545 | 43.7695 | 40.5957 | 42.3765 | 40.4140 | 46.9243 |
| 41.7806 | 46.5852 | 47.7209 | 44.7700 | 47.6343 | 45.3433 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 40 | 2 |
| 41 | 3 |
| 42 | 3 |
| 43 | 2 |
| 44 | 3 |
| 45 | 3 |
| 46 | 3 |
| 47 | 3 |
| 48 | 2 |

Make the histogram.

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

   | | | | | | |
   |----|----|----|----|----|----|
   | 40 | 41 | 40 | 41 | 41 | 41 |
   | 44 | 42 | 39 | 42 | 45 | 43 |
   | 40 | 43 | 40 | 39 | 44 | 39 |
   | 42 | 45 | 44 | 43 | 41 | 39 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 39 | 4 |
   | 40 | 4 |
   | 41 | 5 |
   | 42 | 3 |
   | 43 | 3 |
   | 44 | 3 |
   | 45 | 2 |

   Make the dot plot.
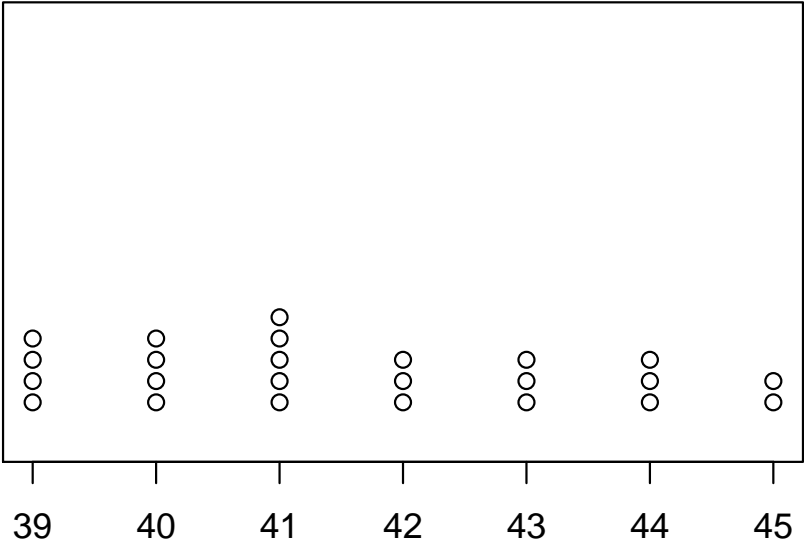
2. **Problem**

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
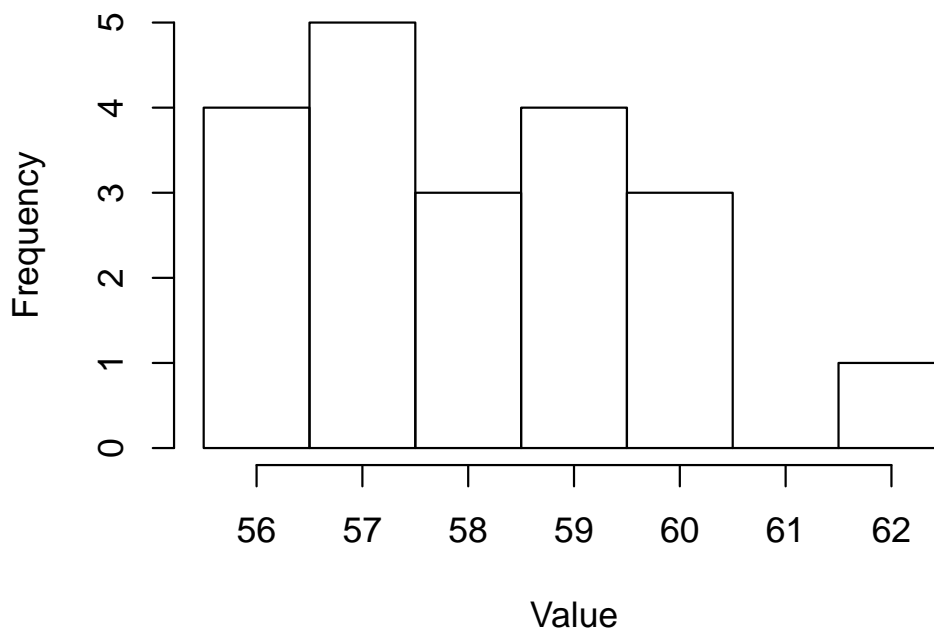
| | | | | |
|---|---|---|---|---|
| 58.7564 | 58.7131 | 60.1659 | 61.6966 | 59.5299 |
| 56.0619 | 56.0033 | 57.2374 | 59.0447 | 58.4935 |
| 56.5005 | 58.0726 | 58.7661 | 59.9239 | 56.3061 |
| 56.9131 | 57.5699 | 57.1259 | 56.3625 | 56.7023 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 56 | 4 |
| 57 | 5 |
| 58 | 3 |
| 59 | 4 |
| 60 | 3 |
| 61 | 0 |
| 62 | 1 |

Make the histogram.

# Histogram

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

   | 8 | 7 | 11 | 8 | 10 |
   |---|---|----|---|----|
   | 8 | 8 | 8 | 8 | 9 |
   | 13 | 11 | 9 | 8 | 12 |
   | 14 | 10 | 12 | 12 | 8 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 7 | 1 |
   | 8 | 8 |
   | 9 | 2 |
   | 10 | 2 |
   | 11 | 2 |
   | 12 | 3 |
   | 13 | 1 |
   | 14 | 1 |

   Make the dot plot.
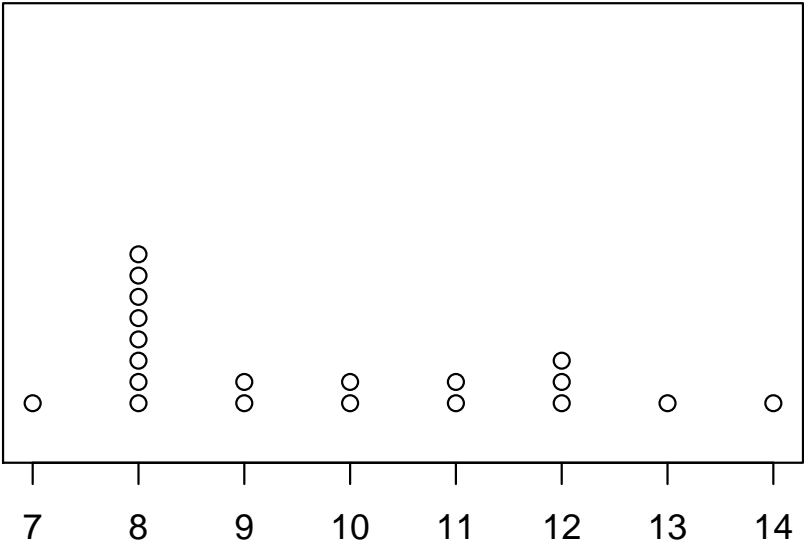
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
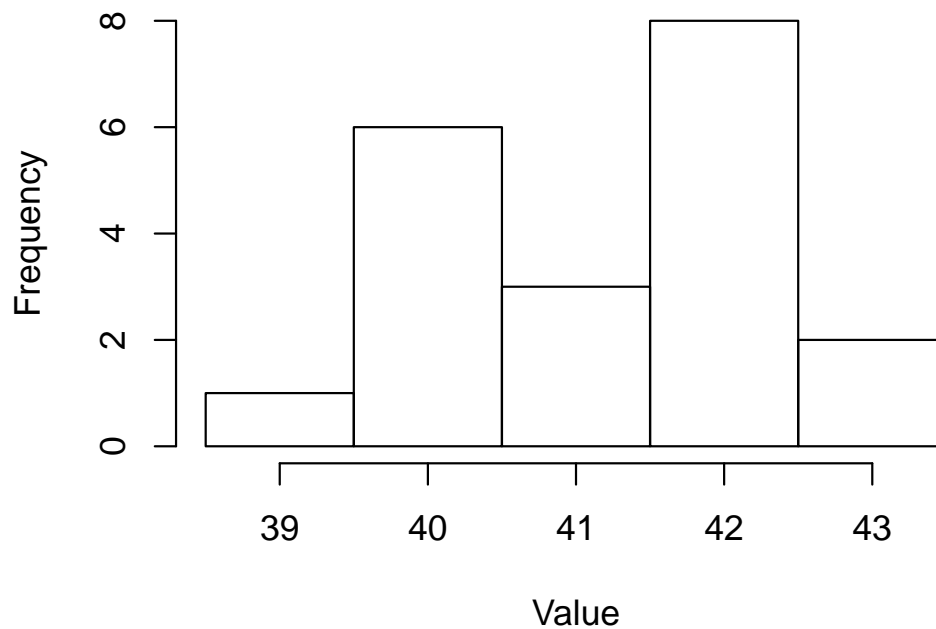
| | | | | |
|---|---|---|---|---|
| 40.1580 | 39.6247 | 39.5327 | 42.4440 | 39.8159 |
| 42.4068 | 40.8399 | 39.9194 | 42.0660 | 42.0666 |
| 42.5139 | 39.1605 | 40.4399 | 41.2862 | 41.9782 |
| 41.6469 | 41.8345 | 40.8651 | 41.7041 | 42.8659 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 39 | 1 |
| 40 | 6 |
| 41 | 3 |
| 42 | 8 |
| 43 | 2 |

Make the histogram.

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

| 25 | 25 | 22 | 21 | 24 | 21 |
|----|----|----|----|----|----|
| 22 | 23 | 19 | 24 | 23 | 20 |
| 23 | 20 | 22 | 22 | 25 | 25 |
| 25 | 19 | 22 | 20 | 21 | 22 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 19 | 2 |
| 20 | 3 |
| 21 | 3 |
| 22 | 6 |
| 23 | 3 |
| 24 | 2 |
| 25 | 5 |

Make the dot plot.
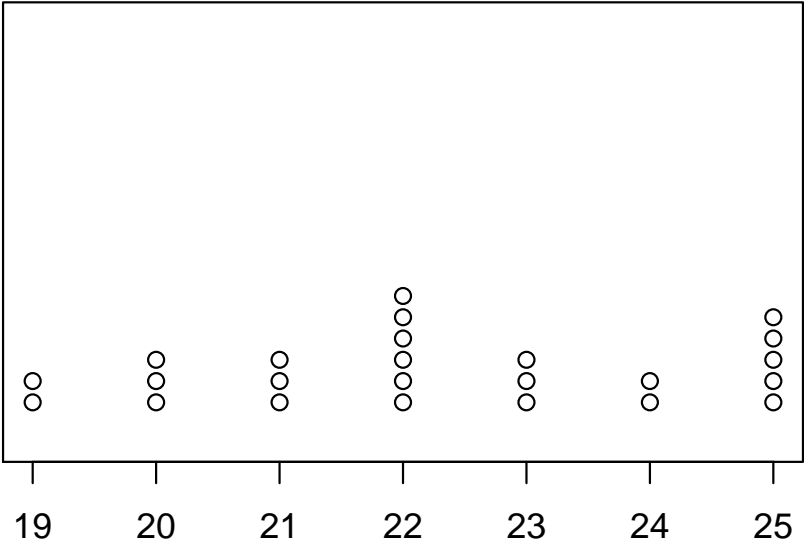
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
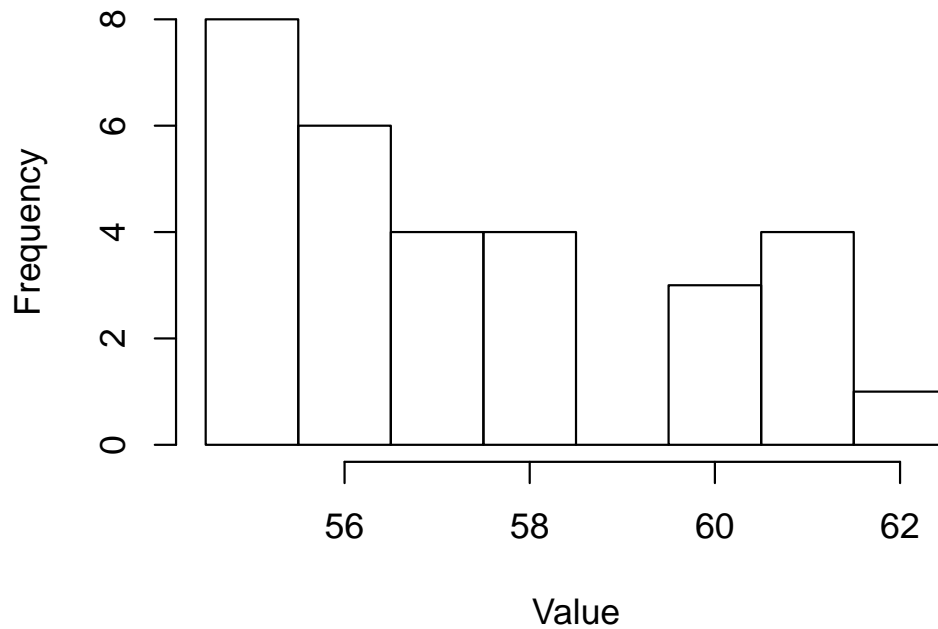
| | | | | | |
|---|---|---|---|---|---|
| 61.3691 | 57.9858 | 56.6650 | 56.1178 | 58.2305 | 59.6755 |
| 56.0329 | 56.6030 | 55.9693 | 57.2290 | 55.1846 | 56.8542 |
| 57.5413 | 58.0498 | 56.2957 | 61.5674 | 55.8588 | 55.1188 |
| 61.2610 | 55.1628 | 60.1919 | 61.4527 | 55.1693 | 55.4750 |
| 55.7722 | 60.3263 | 61.1524 | 55.3543 | 55.1217 | 55.1233 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 55 | 8 |
| 56 | 6 |
| 57 | 4 |
| 58 | 4 |
| 59 | 0 |
| 60 | 3 |
| 61 | 4 |
| 62 | 1 |

Make the histogram.

# Histogram

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

   | | | | | |
   |----|----|----|----|----|
   | 51 | 50 | 49 | 55 | 52 |
   | 53 | 55 | 49 | 51 | 51 |
   | 49 | 52 | 55 | 55 | 54 |
   | 54 | 51 | 49 | 50 | 52 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 49 | 4 |
   | 50 | 2 |
   | 51 | 4 |
   | 52 | 3 |
   | 53 | 1 |
   | 54 | 2 |
   | 55 | 4 |

   Make the dot plot.
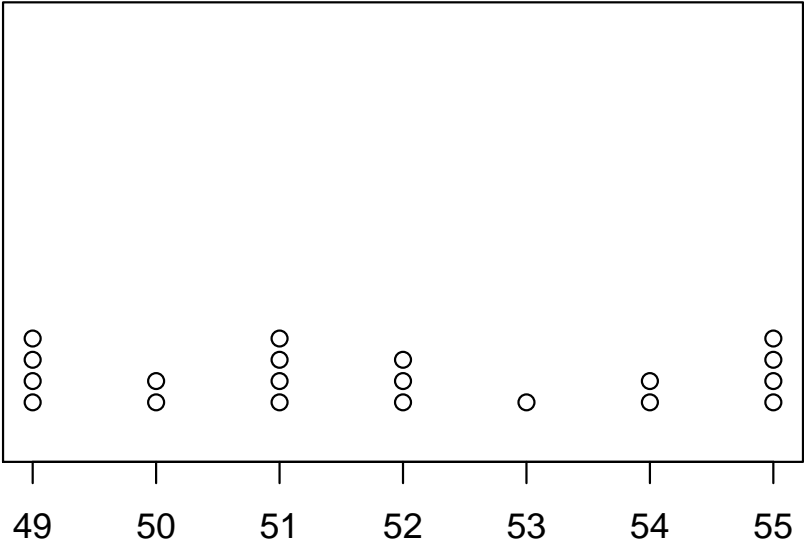
2. **Problem**

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
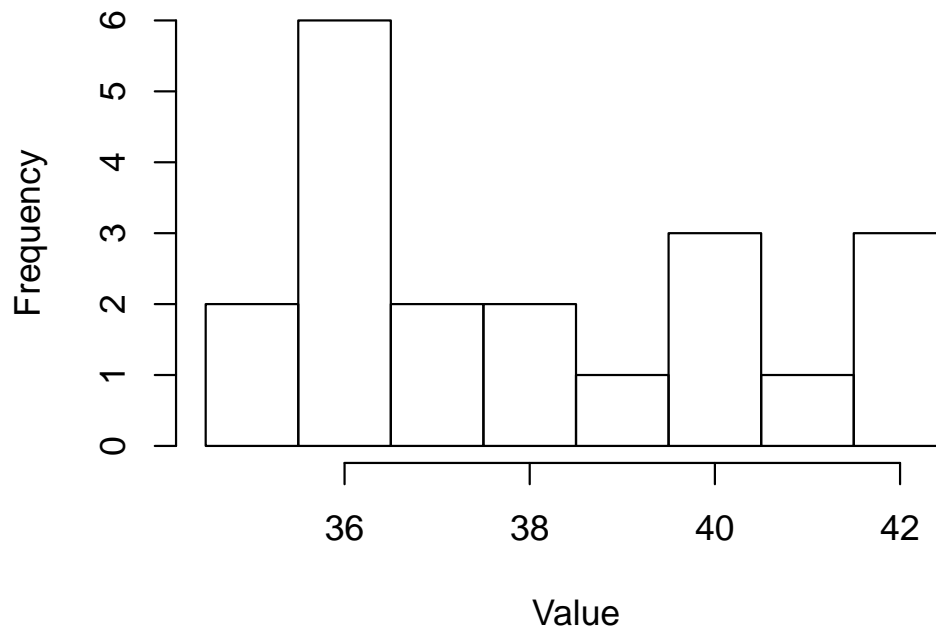
| | | | | |
|---|---|---|---|---|
| 38.7045 | 39.9676 | 41.9873 | 40.1979 | 39.7271 |
| 37.7997 | 35.6518 | 36.7971 | 41.7031 | 37.4332 |
| 36.1794 | 35.4172 | 35.5431 | 40.5294 | 35.4034 |
| 41.9191 | 36.0612 | 37.6201 | 36.1986 | 36.4891 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 35 | 2 |
| 36 | 6 |
| 37 | 2 |
| 38 | 2 |
| 39 | 1 |
| 40 | 3 |
| 41 | 1 |
| 42 | 3 |

Make the histogram.

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

   | | | | | | |
   |----|----|----|----|----|----|
   | 47 | 48 | 46 | 50 | 45 | 48 |
   | 43 | 49 | 48 | 46 | 49 | 43 |
   | 49 | 46 | 49 | 49 | 43 | 44 |
   | 48 | 49 | 44 | 46 | 48 | 46 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 43 | 3 |
   | 44 | 2 |
   | 45 | 1 |
   | 46 | 5 |
   | 47 | 1 |
   | 48 | 5 |
   | 49 | 6 |
   | 50 | 1 |

   Make the dot plot.
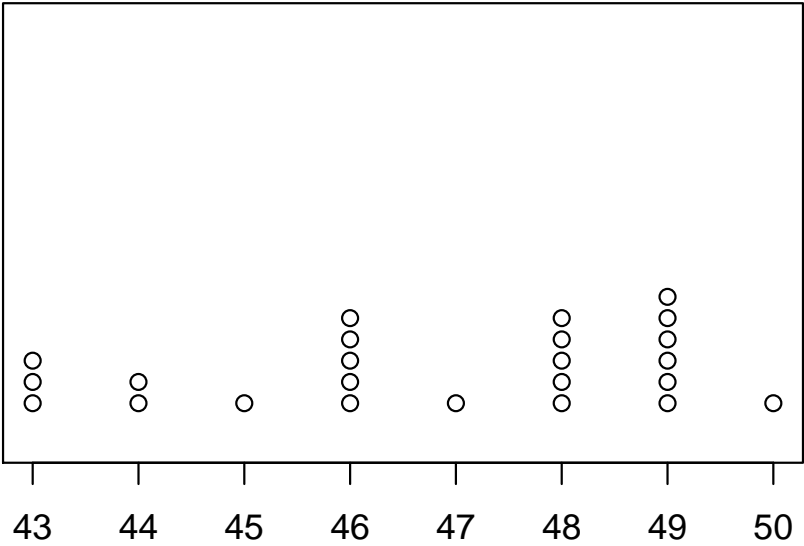
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
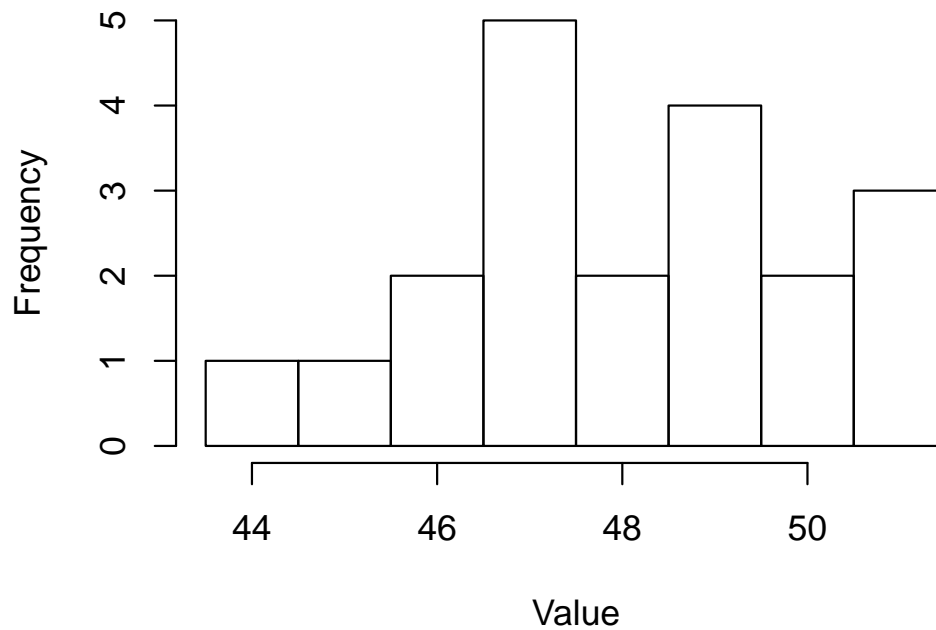
| 50.8713 | 48.7538 | 49.4120 | 48.4627 | 46.5221 |
|---------|---------|---------|---------|---------|
| 45.1439 | 46.9024 | 47.1070 | 49.2771 | 47.3402 |
| 43.9752 | 50.6351 | 48.7144 | 47.1024 | 49.6955 |
| 50.0890 | 47.6142 | 46.2815 | 46.4050 | 50.5636 |

**Solution**
Make a frequency table.

| value | frequency |
|-------|-----------|
| 44 | 1 |
| 45 | 1 |
| 46 | 2 |
| 47 | 5 |
| 48 | 2 |
| 49 | 4 |
| 50 | 2 |
| 51 | 3 |

Make the histogram.

# Histogram

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.
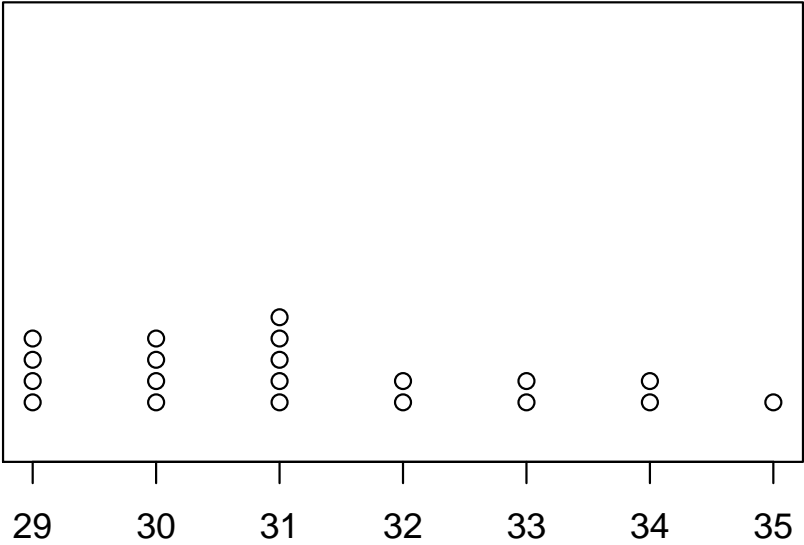
2. **Problem**

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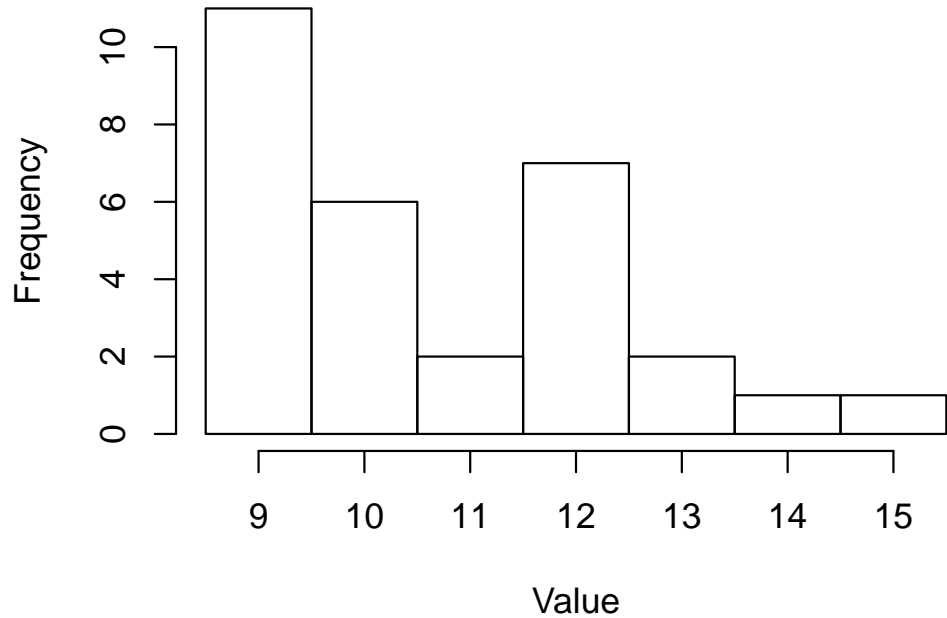
1. **Problem**
   Please make a dot plot from the following (unsorted) data.

   | | | | | | |
   |---|---|---|---|---|---|
   | 32 | 33 | 33 | 30 | 27 | 32 |
   | 30 | 31 | 30 | 28 | 32 | 32 |
   | 31 | 30 | 32 | 27 | 32 | 31 |
   | 31 | 33 | 26 | 32 | 28 | 30 |
   | 32 | 31 | 30 | 32 | 31 | 31 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 26 | 1 |
   | 27 | 2 |
   | 28 | 2 |
   | 29 | 0 |
   | 30 | 6 |
   | 31 | 7 |
   | 32 | 9 |
   | 33 | 3 |

   Make the dot plot.
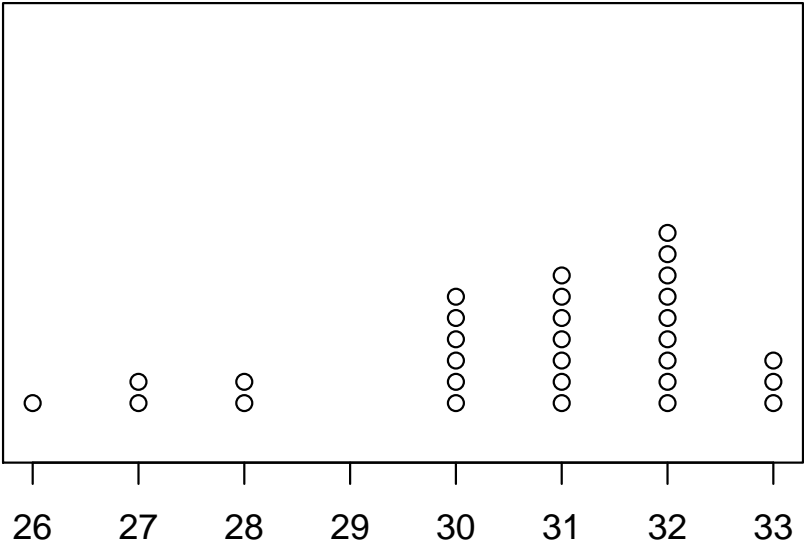
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
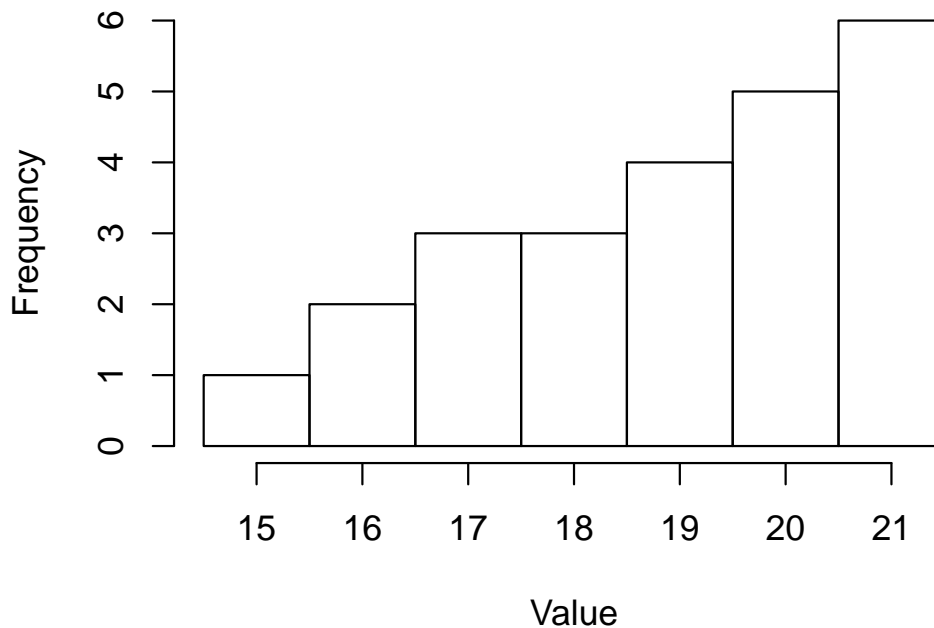
| | | | | | |
|---|---|---|---|---|---|
| 15.2081 | 16.5190 | 20.5152 | 20.7803 | 20.4376 | 16.1415 |
| 20.9748 | 20.0526 | 19.0165 | 17.5361 | 20.1091 | 19.2409 |
| 18.9443 | 18.0587 | 20.6848 | 19.8500 | 20.4662 | 17.4734 |
| 20.7321 | 16.3714 | 20.7257 | 17.2501 | 19.1006 | 18.3146 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 15 | 1 |
| 16 | 2 |
| 17 | 3 |
| 18 | 3 |
| 19 | 4 |
| 20 | 5 |
| 21 | 6 |

Make the histogram.

# Histogram

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

   | | | | | |
   |---|---|---|---|---|
   | 61 | 60 | 62 | 60 | 65 |
   | 63 | 61 | 61 | 62 | 64 |
   | 61 | 64 | 61 | 65 | 60 |
   | 60 | 61 | 61 | 60 | 62 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 60 | 5 |
   | 61 | 7 |
   | 62 | 3 |
   | 63 | 1 |
   | 64 | 2 |
   | 65 | 2 |

   Make the dot plot.
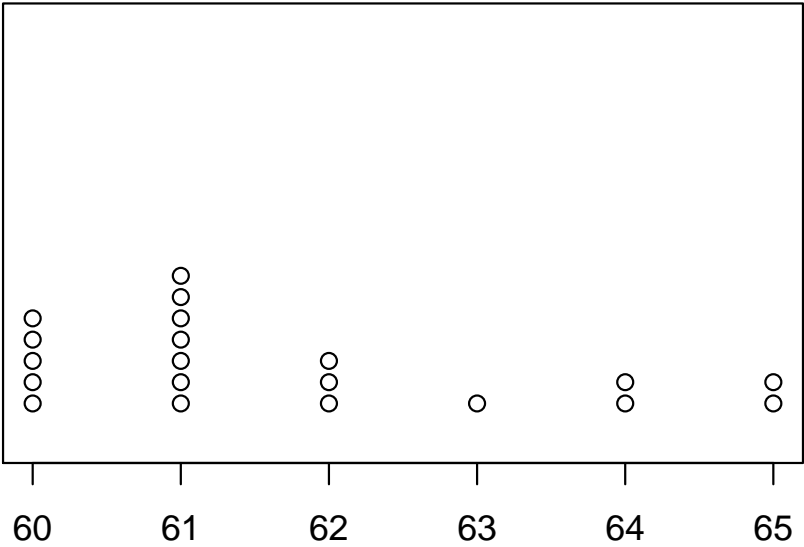
2. **Problem**

Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
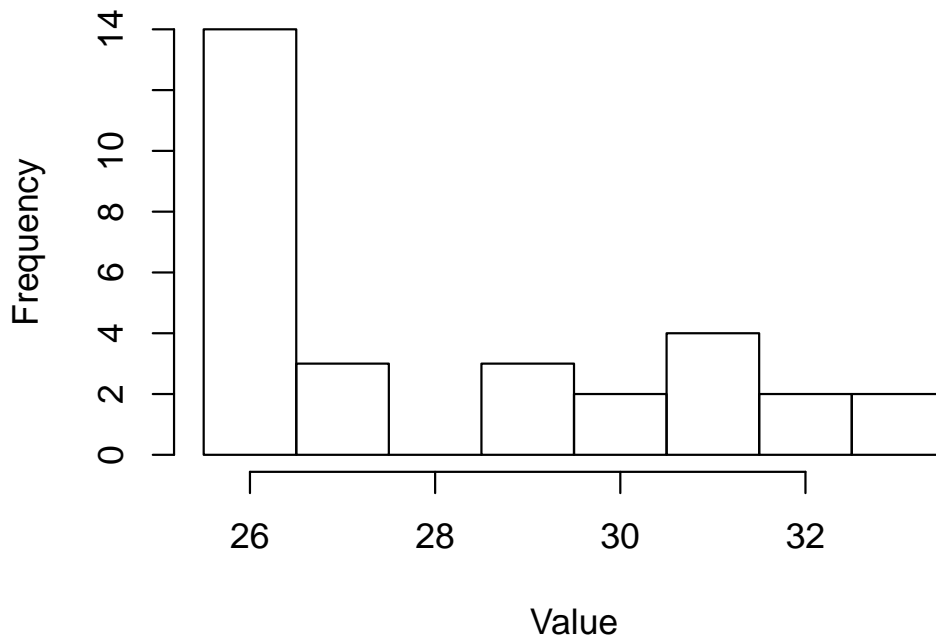
| | | | | | |
|---|---|---|---|---|---|
| 25.9418 | 26.2473 | 31.9983 | 26.8953 | 27.2597 | 25.9638 |
| 26.1062 | 30.2500 | 28.7865 | 31.6154 | 25.9066 | 26.3353 |
| 31.3242 | 29.7608 | 26.3228 | 30.8916 | 26.1867 | 31.1154 |
| 32.8251 | 25.9540 | 26.1768 | 26.1584 | 29.1035 | 30.9722 |
| 32.5297 | 26.7289 | 28.9165 | 26.1723 | 26.2800 | 25.9650 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 26 | 14 |
| 27 | 3 |
| 28 | 0 |
| 29 | 3 |
| 30 | 2 |
| 31 | 4 |
| 32 | 2 |
| 33 | 2 |

Make the histogram.

# Histogram

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

| | | | | | |
|---|---|---|---|---|---|
| 30 | 30 | 33 | 32 | 29 | 30 |
| 34 | 36 | 31 | 32 | 29 | 30 |
| 30 | 35 | 34 | 32 | 35 | 30 |
| 31 | 29 | 33 | 33 | 32 | 35 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 29 | 3 |
| 30 | 6 |
| 31 | 2 |
| 32 | 4 |
| 33 | 3 |
| 34 | 2 |
| 35 | 3 |
| 36 | 1 |

Make the dot plot.
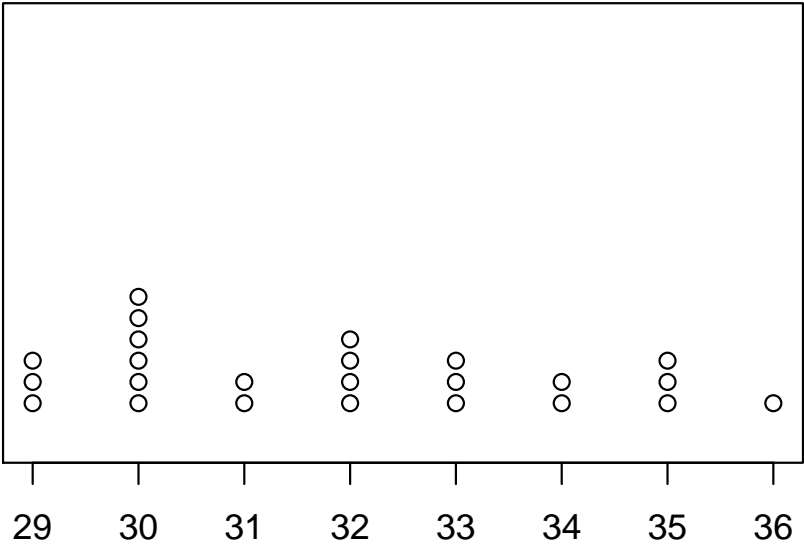
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
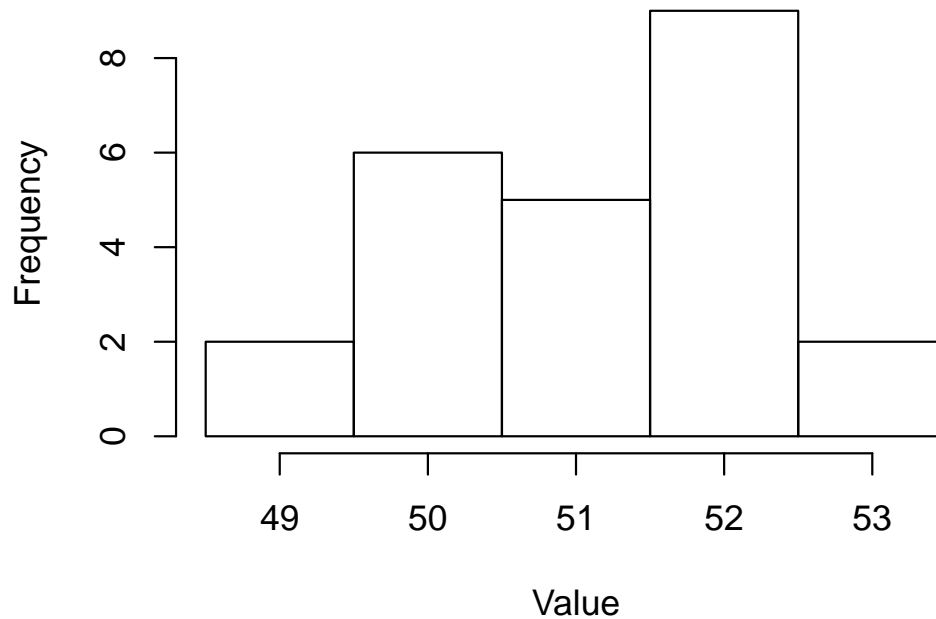
| | | | | | |
|---|---|---|---|---|---|
| 50.0404 | 52.0541 | 52.6823 | 52.0361 | 52.3101 | 49.2153 |
| 49.3963 | 52.8068 | 51.5480 | 51.5290 | 51.1904 | 50.1669 |
| 51.4328 | 49.5667 | 52.0885 | 50.5330 | 52.3675 | 51.5502 |
| 50.2121 | 50.7616 | 51.7923 | 50.1932 | 51.4115 | 50.2262 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 49 | 2 |
| 50 | 6 |
| 51 | 5 |
| 52 | 9 |
| 53 | 2 |

Make the histogram.

# Histogram

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

   | 54 | 52 | 51 | 55 | 49 | 52 |
   |----|----|----|----|----|----|
   | 49 | 51 | 50 | 55 | 55 | 55 |
   | 55 | 53 | 53 | 54 | 53 | 55 |
   | 54 | 51 | 52 | 51 | 55 | 52 |
   | 49 | 49 | 52 | 50 | 55 | 52 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 49 | 4 |
   | 50 | 2 |
   | 51 | 4 |
   | 52 | 6 |
   | 53 | 3 |
   | 54 | 3 |
   | 55 | 8 |

   Make the dot plot.
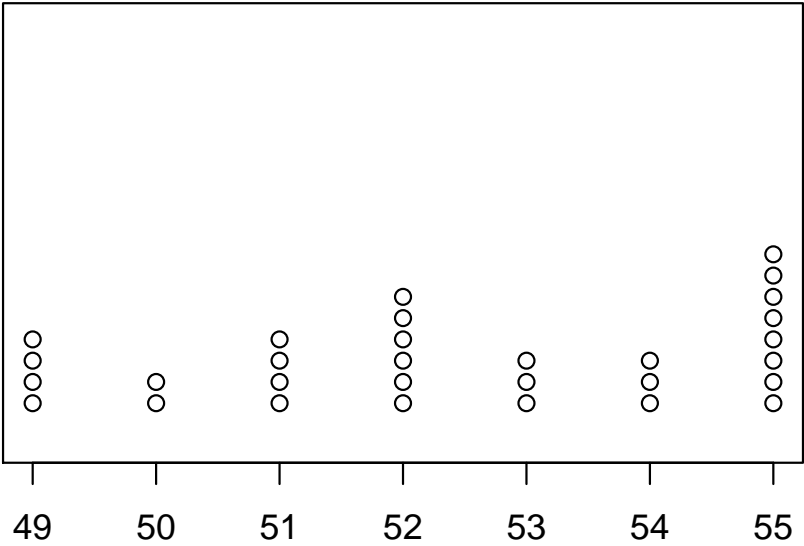
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.
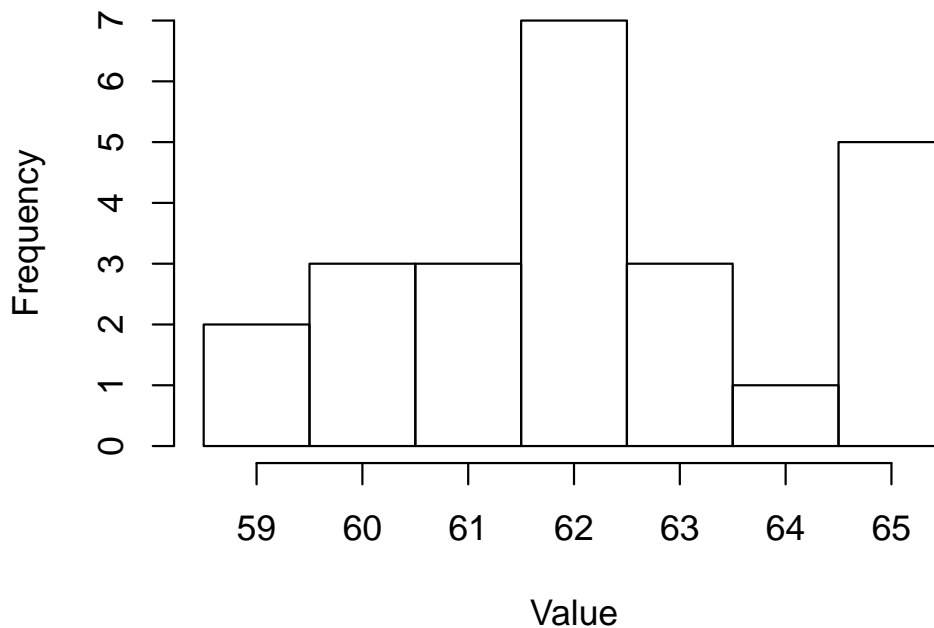
| | | | | | |
|---|---|---|---|---|---|
| 62.0394 | 64.8668 | 59.4545 | 62.2388 | 65.1333 | 59.4332 |
| 60.0589 | 62.4091 | 64.7816 | 63.0763 | 64.0913 | 61.7394 |
| 61.2775 | 61.0269 | 62.1298 | 61.4192 | 62.6937 | 61.5857 |
| 60.1832 | 64.8326 | 62.1620 | 64.7759 | 59.8283 | 63.1579 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 59 | 2 |
| 60 | 3 |
| 61 | 3 |
| 62 | 7 |
| 63 | 3 |
| 64 | 1 |
| 65 | 5 |

Make the histogram.

# Histogram

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

   | 42 | 47 | 46 | 47 | 44 | 46 |
   |----|----|----|----|----|----|
   | 43 | 46 | 41 | 45 | 47 | 40 |
   | 42 | 46 | 46 | 45 | 41 | 47 |
   | 44 | 41 | 47 | 47 | 43 | 43 |
   | 43 | 47 | 44 | 41 | 41 | 47 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |-------|-----------|
   | 40 | 1 |
   | 41 | 5 |
   | 42 | 2 |
   | 43 | 4 |
   | 44 | 3 |
   | 45 | 2 |
   | 46 | 5 |
   | 47 | 8 |

   Make the dot plot.
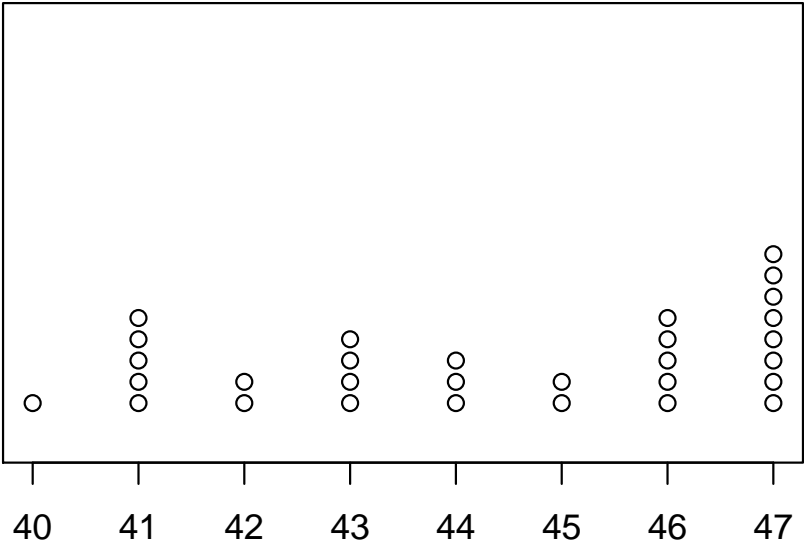
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | | |
|---|---|---|---|---|---|
| 45.3088 | 47.8861 | 49.7345 | 50.9837 | 49.6834 | 50.8808 |
| 51.0294 | 44.0752 | 45.6497 | 50.6279 | 43.7645 | 50.9615 |
| 47.8595 | 49.5505 | 47.4423 | 45.3670 | 44.7608 | 50.3747 |
| 45.2621 | 43.7532 | 43.4613 | 43.8138 | 48.5405 | 47.7909 |
| 50.9094 | 44.0930 | 48.5291 | 43.2747 | 46.9167 | 47.1179 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 43 | 2 |
| 44 | 5 |
| 45 | 4 |
| 46 | 1 |
| 47 | 3 |
| 48 | 3 |
| 49 | 2 |
| 50 | 4 |
| 51 | 6 |

Make the histogram.
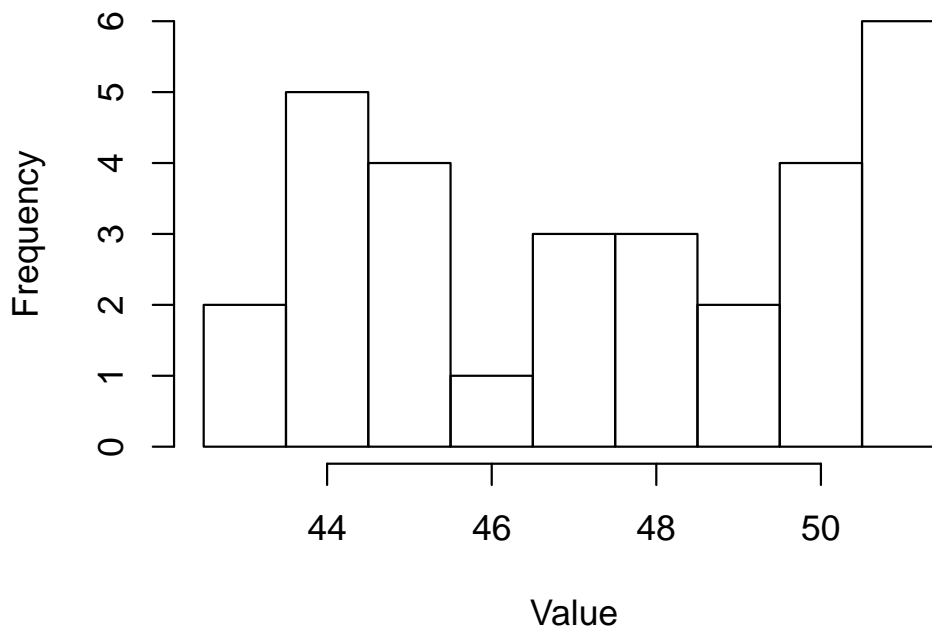
# Histogram

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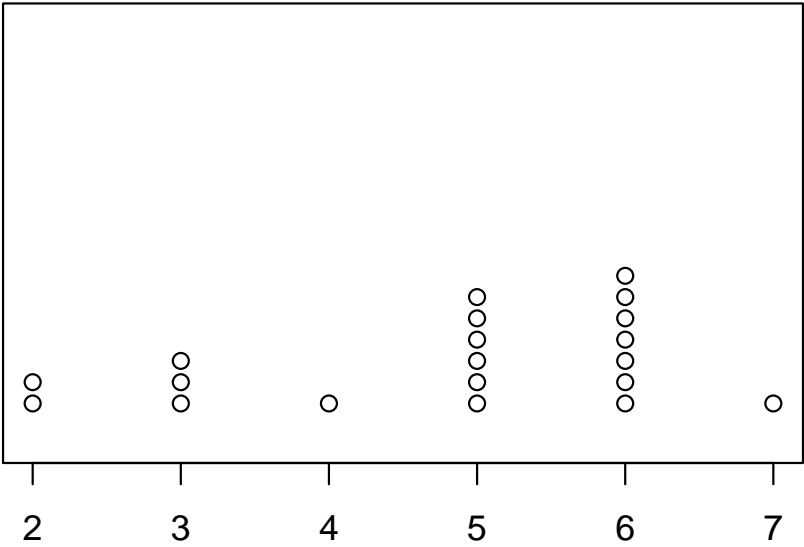   Please make a dot plot from the following (unsorted) data.

   | | | | | |
   |---|---|---|---|---|
   | 6 | 6 | 7 | 6 | 6 |
   | 5 | 5 | 5 | 4 | 5 |
   | 6 | 2 | 3 | 3 | 6 |
   | 5 | 5 | 3 | 2 | 6 |

   **Solution**
   Make a frequency table.

   | value | frequency |
   |---|---|
   | 2 | 2 |
   | 3 | 3 |
   | 4 | 1 |
   | 5 | 6 |
   | 6 | 7 |
   | 7 | 1 |

   Make the dot plot.

   

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

| | | | | | |
|---|---|---|---|---|---|
| 55.9947 | 51.4776 | 53.3894 | 55.5668 | 55.3852 | 54.4590 |
| 51.6337 | 56.4571 | 52.4473 | 50.3305 | 55.1375 | 53.5206 |
| 58.0851 | 51.5758 | 56.1124 | 54.1794 | 51.3531 | 55.6068 |
| 57.8101 | 54.9498 | 55.2954 | 53.2740 | 55.3805 | 57.4553 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 50 | 1 |
| 51 | 2 |
| 52 | 3 |
| 53 | 2 |
| 54 | 3 |
| 55 | 5 |
| 56 | 5 |
| 57 | 1 |
| 58 | 2 |

Make the histogram.

# Histogram
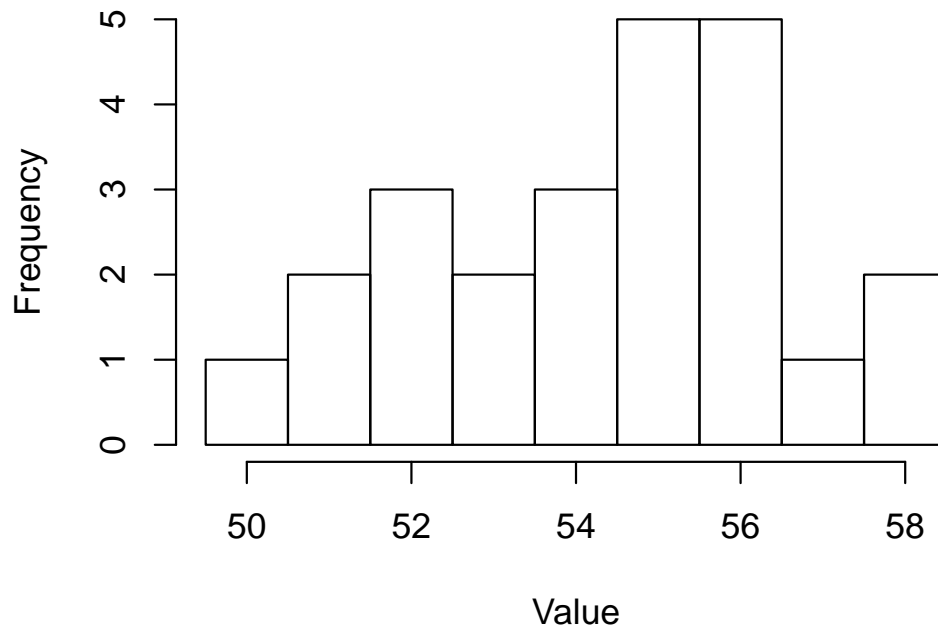
1. **Problem**

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

| | | | | | |
|---|---|---|---|---|---|
| 35 | 38 | 35 | 37 | 37 | 36 |
| 40 | 41 | 36 | 34 | 36 | 40 |
| 36 | 36 | 40 | 35 | 35 | 34 |
| 34 | 41 | 41 | 40 | 39 | 36 |
| 40 | 40 | 35 | 41 | 40 | 40 |

**Solution**

Make a frequency table.

| value | frequency |
|---|---|
| 34 | 3 |
| 35 | 5 |
| 36 | 6 |
| 37 | 2 |
| 38 | 1 |
| 39 | 1 |
| 40 | 8 |
| 41 | 4 |

Make the dot plot.
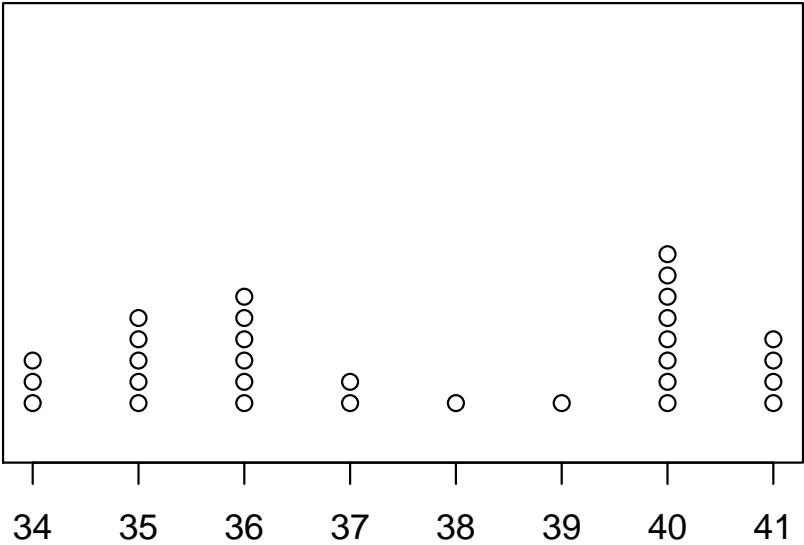
2. **Problem**
Please make a frequency histogram from the following (unsorted) continuous data by rounding to the nearest integer.

| | | | | | |
|---|---|---|---|---|---|
| 41.3569 | 42.1693 | 42.3342 | 42.4591 | 47.0093 | 42.1409 |
| 42.2758 | 40.8129 | 43.2877 | 45.6308 | 41.6567 | 40.9801 |
| 41.8061 | 41.2497 | 47.1675 | 47.5627 | 46.0522 | 42.1835 |
| 43.9473 | 41.7718 | 41.0139 | 42.4773 | 43.6446 | 41.0095 |

**Solution**
Make a frequency table.

| value | frequency |
|---|---|
| 41 | 6 |
| 42 | 10 |
| 43 | 1 |
| 44 | 2 |
| 45 | 0 |
| 46 | 2 |
| 47 | 2 |
| 48 | 1 |

Make the histogram.

# Histogram