

Box & Whisker Plots

Five # summary:

1. minimum #
2. quartile 1 (Q1)
 - median of first half of #'s
3. median (middle #)
4. quartile 3 (Q3)
 - median of second half of #'s
5. maximum #

To make a box & whisker :

1. List data from least to greatest.
2. Find the median.
 - * if there are 2 #'s in the middle, add together & divide by 2.
- Q1 3. Find the median of the 1st half of #'s.
- Q3 4. Find the median of the 2nd half of #'s.
5. Draw a # line. Label the tick marks evenly. Draw a line above the corresponding quartiles & make a box.
6. Draw 2 whiskers to the min & max.

MAXIMUM

QUARTILE 3

Q3

MEDIAN

QUARTILE 1

Q1

MINIMUM

Lower Extreme
(minimum)

the smallest #

First Quartile

median of first
half of #'s

Median

middle #

Third Quartile

median of second
half of #'s

Upper Extreme
(maximum)

the largest #

