

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## AGH HW after LT#2: Homework for: Box and Whisker Plots and Outliers

1. On September 24, 2006, Barry Bonds hit his 734<sup>th</sup> career home run and broke Hank Aaron's National League record. Does that make Bonds a better home run hitter? Perhaps we should compare their National League records up through 2004. Here are Bonds's numbers through 2004, arranged in increasing order:

16    19    24    25    25    25    33    33    33    34    34    37  
37    40    42    45    45    46    46    49    73

Here are Aaron's National League numbers (1954–1974), arranged in increasing order:

13    20    24    26    27    29    30    32    34    34    38    39  
39    40    40    44    44    44    44    45    47

(a) Determine the five-number summaries for Bonds and Aaron.

(b) Make a parallel box and whisker plot of your data below:

(c) Use the graph and your summary statistics to write a few sentences comparing Bonds and Aaron as home run hitters.

(d) Would there have been any concerns using mean and standard deviation to make a comparison with the data above?