



Problem 1 – Yankees vs. Mets

Given on page 1.3 are two data sets that represent the 2008 salaries for the New York Yankees and the New York Mets, the two baseball teams with the highest salary totals.

Graph each data set, **ysalary** and **metsalary**, as a box plot on page 1.4.

The graphs *do not* have the same scale on the horizontal axis.

Adjust the horizontal axis for each box plot so they are identical. Press **MENU > Window/Zoom > Window Settings**. Change XMin to 0 and XMax to 29.

- What do the “dots” on the Met salary graph indicate? Why are there none for the Yankees?

- Notice that with both data sets the gap between the third player and the fourth player is about 5 million dollars. Why does this create outliers for the Mets and not for the Yankees?

- What do you notice about the bottom 25% of both teams?

- Compare the two box plots, including shape, spread, and the five-number summary.

- If you were an average player, which team would you like to play for based on the box plot? Why?



Drawing conclusions

- What conclusions can you draw about the salaries of the baseball players on the Yankees and the Mets? Each conclusion needs to be supported by a number or a graph (histogram or box plot).