Exercise 4.12:

Salary	
Mean	24328.832
Standard Error	193.5656877
Median	24461
Mode	26139
Standard Deviation	2164.130179
Sample Variance	4683459.431
Kurtosis	-0.781302321
Skewness	-0.270154173
Range	9165
Minimum	18958
Maximum	28123
Sum	3041104
Count	125

Mean is slightly less than the median: (slightly) negatively skewed



Exercise 4.23:



Least variation?

Most variation?

Calculations:

a. $s^2 = 51.5$ b. $s^2 = 6.5$ c. $s^2 = 174.5$

Box Plots

Example 4.11:

min = 0 max = 33 $Q_1 = 3.75, Q_2 = 8.5, Q_3 = 16$ IQR = 16 - 3.75 = 12.25



Example 4.14:



Example 4.15:



Boxplot of Popeyes, Wendys, McDonalds, Hardees, Jack in Box