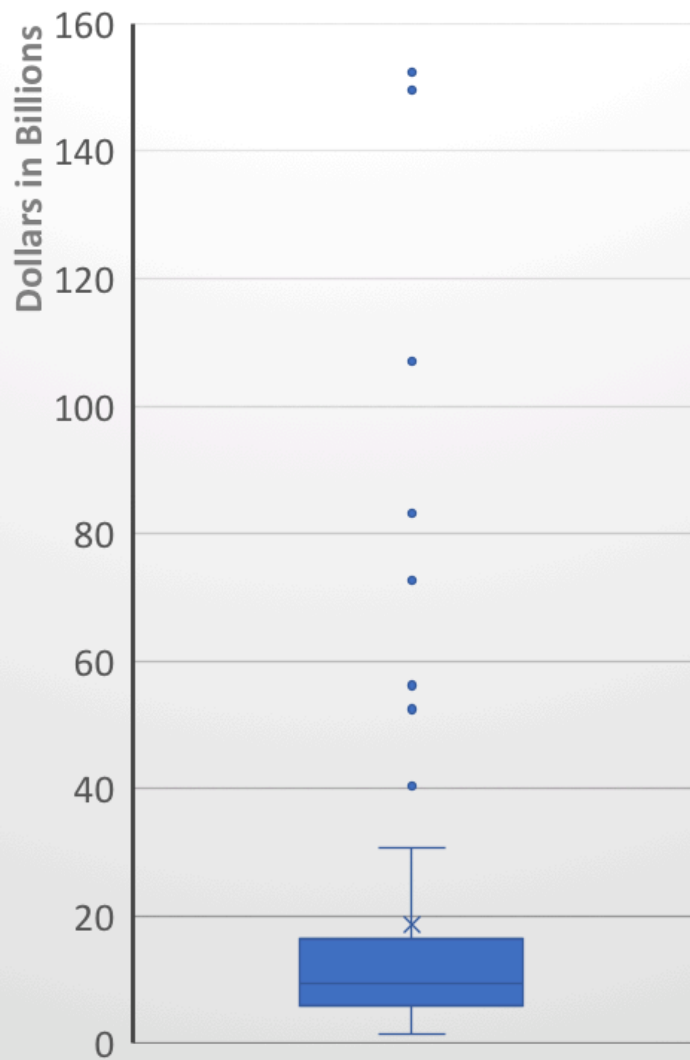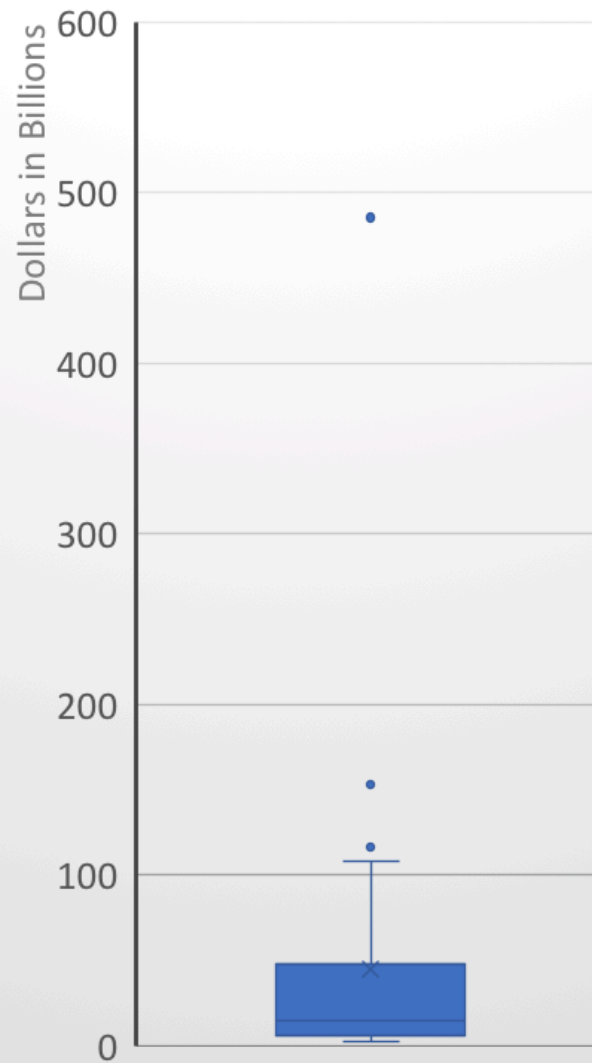# Was the Total Revenue earned by the Consumer Discretionary and Consumer Staples sectors similar in 2015?

2015 Consumer Discretionary Sector Total Revenue

Dollars in Billions

Consumer Discretionary Total Revenue in Dolloars

2015 Consumer Staples Sector Total Revenue

Dollars in Billions

Consumer Staples Total Revenue in Dolloars

Using a side by side comparison of the box and whisker plots for Consumer Discretionary and Consumer Staple Total Revenue in 2015 we can see, using the mean, that the average revenue in Consumer Stapes is higher. The mean for discretionary revenue is $18.6 billion while the mean for staples revenue is $44.8 billion. This lets us know that on average companies in the staples sector have a higher total revenue than those in the discretionary sector.

The discretionary revenue is very right-skewed, with the mean not only above the median but also above the 3rd quartile. The eight outliers that more that 1.5 times above the IQR of 10.5 billion have weighted the distribution in that direction. The stapes revenue, which also has a mean higher than then median, but slightly lower that the 3rd quartile, is also right-skewed. This tells us that more than 75% of the discretionary sector companies and more than 50% of the staples sector companies fall below the average revenue for all companies in their respective sectors. A small number of high earning companies in each sector have pulled the average up.

Although the first 25% of companies in both sectors fall within a similar range, staple 1st quartile is 5.8 billion and discretionary 1st quartile is 5.9 billion, the standard deviation shows that the variability in staples, 88.7 billion, is more than 3 times higher than that of discretionary at 28.2 billion. This tells us that the total revenues of companies in the staples sector are more spread out from the mean of that sector than the companies in the discretionary sector which are closer to the mean of that sector.