Descriptive Statistics for Total Revenue for Airlines GIC Sub Industry

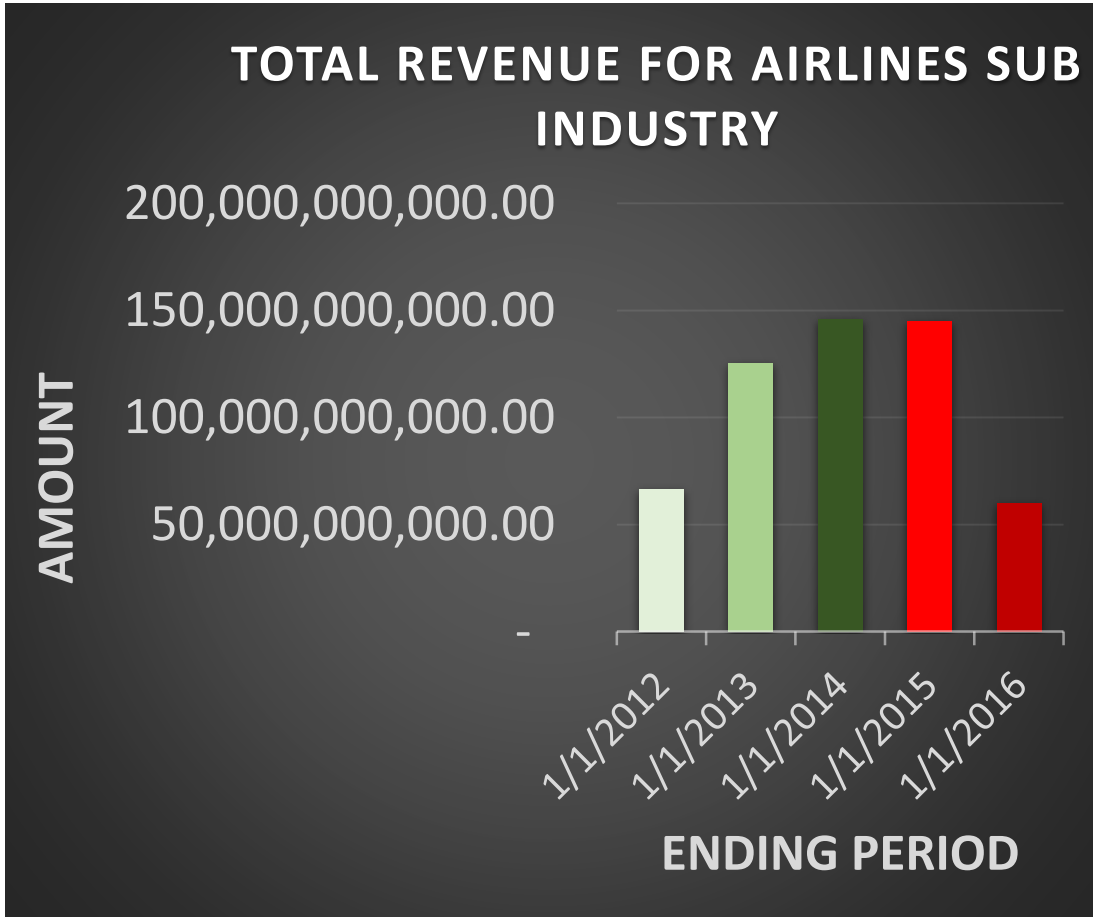
Descriptive Statistics for Total Revenue for AAL Company	
Mean	27,162,000,000.00
Standard Error	3,133,433,970.48
Median	31,947,500,000.00
Mode	#N/A
Standard Deviation	14,013,142,722.01
Sample Variance	196,368,168,947,368,000,000.00
Kurtosis	(1.28)
Skewness	(0.53)
Range	37,993,000,000.00
Minimum	4,657,000,000.00
Maximum	42,650,000,000.00
Sum	543,240,000,000.00
Count	20.00

It is clear that there is a small difference between mean and median. Median is greater than mean so, we can say it is a left skewed.

Also, we can say it is a normal distribution because the difference is not that big. The Standard deviation is 14 billions is very high. It means the fluctuation is high in revenues in this sub industry.

The range is approximately 38 billions which is very high as a number but it is normal and acceptable in such a financial data for a whole sub industry.

Does the airlines industry an attractive to invest in according to its revenues?

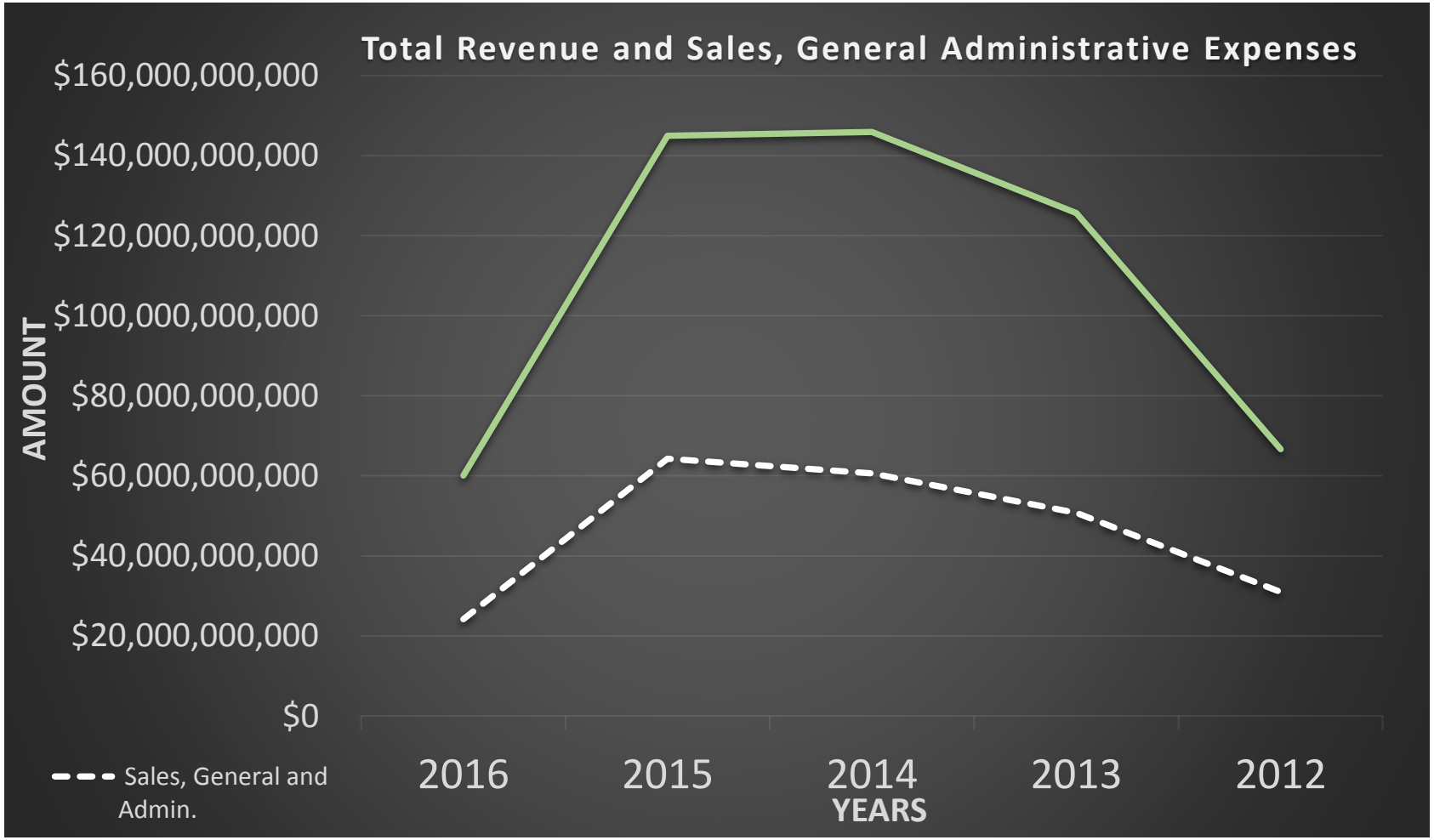


We can see the growth in revenues between 2012 and 2014. There was a great growth in revenues! It increased from 60 billions levels in 2012 to 120 billions levels in 2014! It was a great period for the investors until the summit in 2014!

In 2015, declining in revenues in sales started it, fell from 120 billions levels to 50 billions levels which is a very big lose!

so, Airlines industry is not an attractive to invest in, because the industry has started faced a huge declining in its revenues! Which is not attractive for any investor!

Chart of Total Revenue and Sales, General Administrative (SGA) Expenses (Additional)



We can see the positive relationship between the total revenue and SGA. So, if we want to increase the revenues for the whole sub industry we should know that the SGA will increase too. Also, If we want to reduce the SGA expenses our revenues will be decreased according to the movement within the chart.