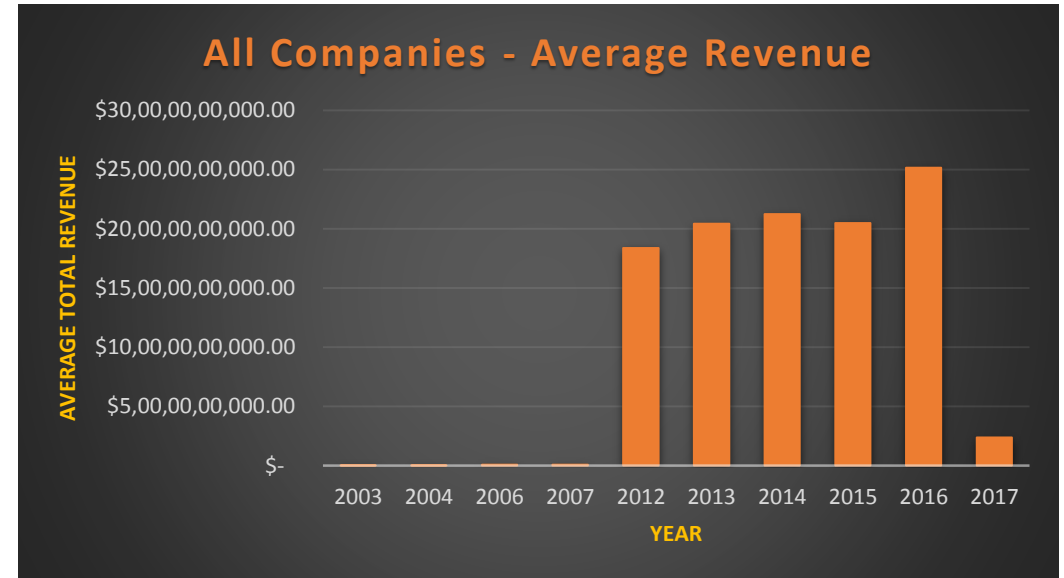
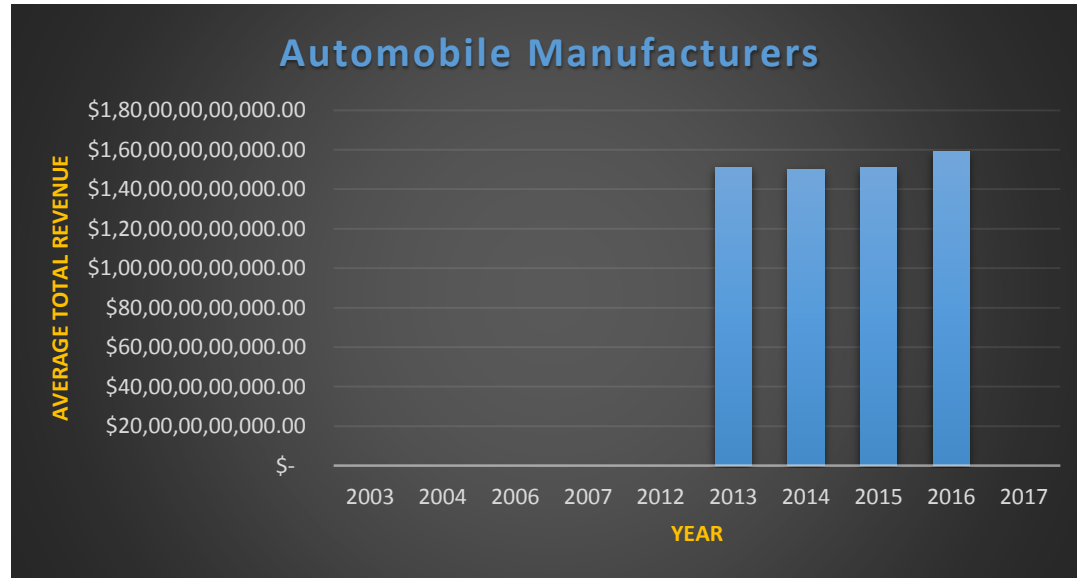




Business Analytics

Analyze NYSE Data

Q: Does Automobile Industry spend as much Revenue as every other Industry ?

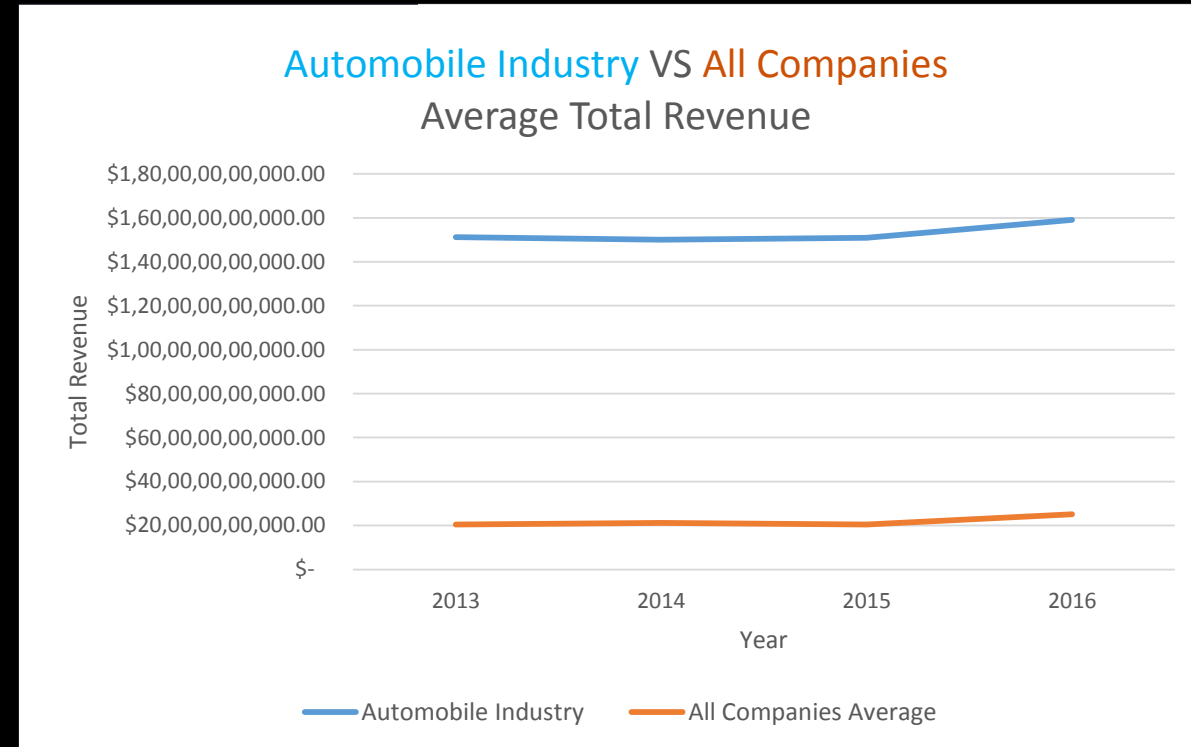


The above histograms indicate the 'Average Total Revenue' spent by the 'Automobile Manufacturing Industry' and 'Every Company related to all the industries'.

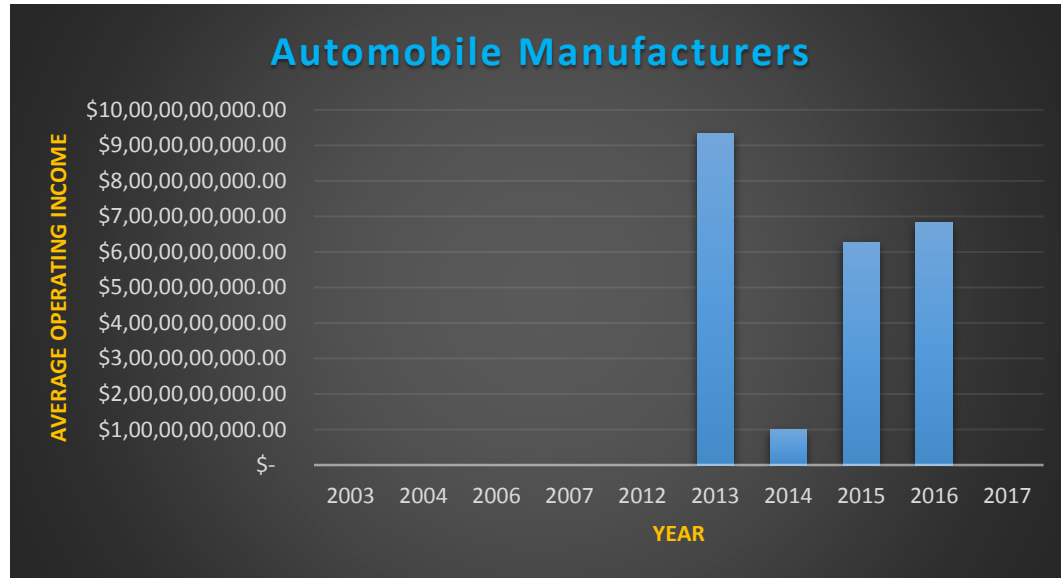
Explanation

The respective line graph depicts that the mean total revenue spent by the 'Automobile Industry' is much higher compared to all the industries.

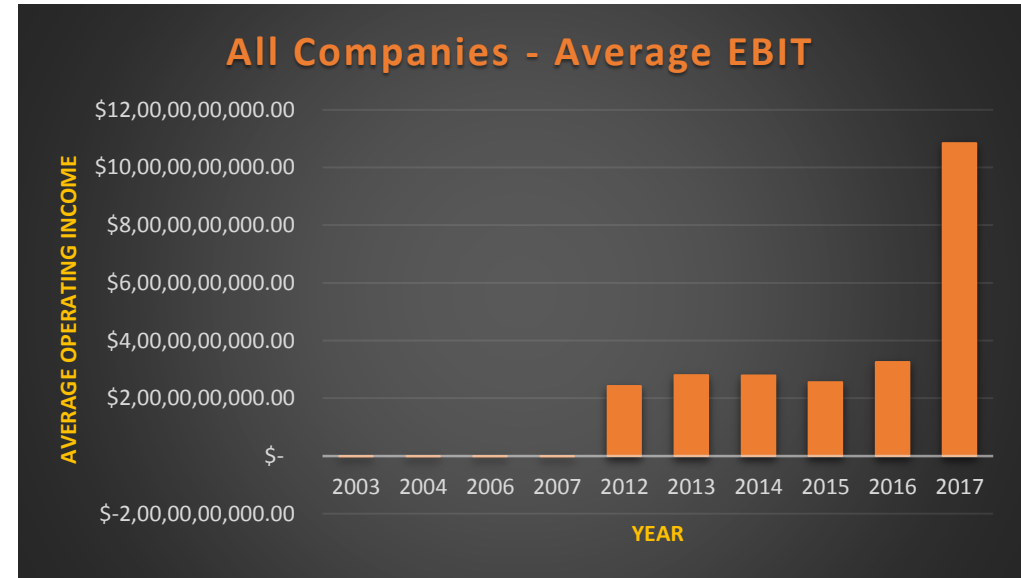
In the duration between 2013 and 2016, on an average 'Automobile Manufacturing Industry' spent 152805.5 Million Dollars, while on an average every industry spent 21822.5 Million dollars. This indicate, that the manufacturing industry require huge revenue in the business model.



Q: Does Automobile Industry incur more operating profits because of the higher revenue?



Standard Deviation	3510010185.17
Skewness	-1.11
Range	8353500000.00



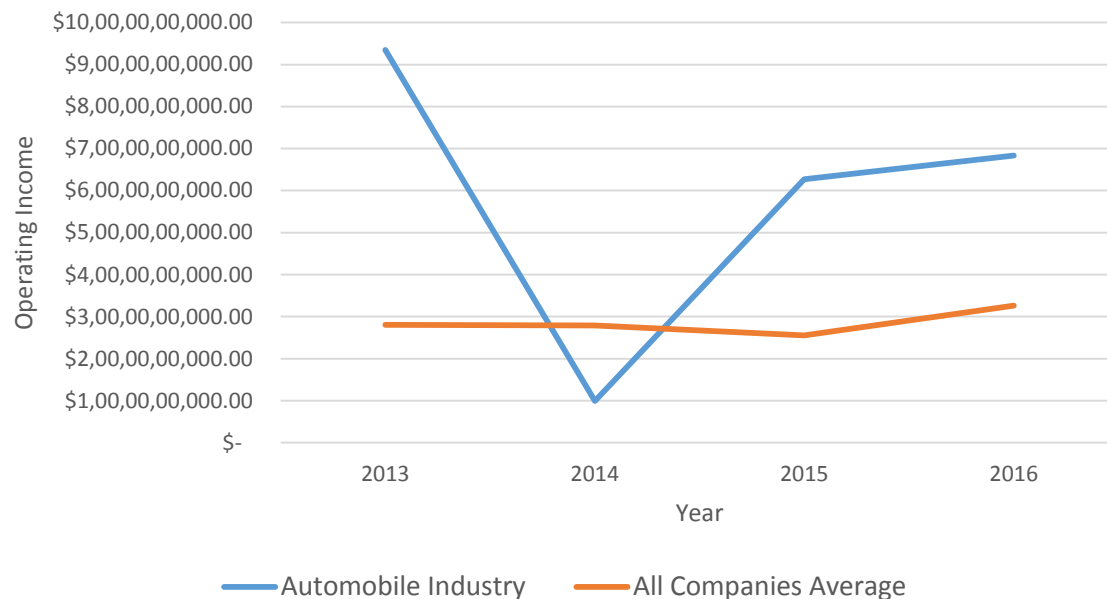
Standard Deviation	295928608.11
Skewness	1.09
Range	706869437.45

The above histograms indicate that Automobile histogram is left skewed while rest of the companies are right skewed. Also Automobile industry has higher standard deviation and range. This indicates increase in operating profits down the timeline.



Automobile Industry VS All Companies

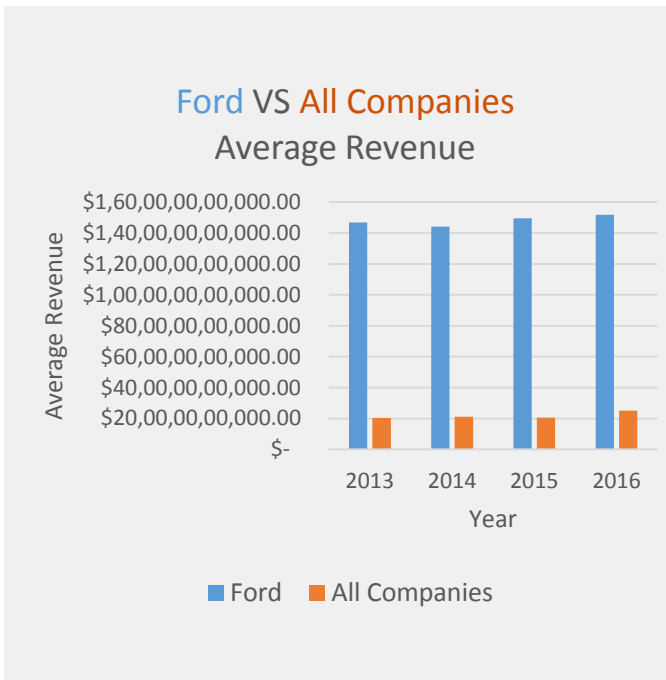
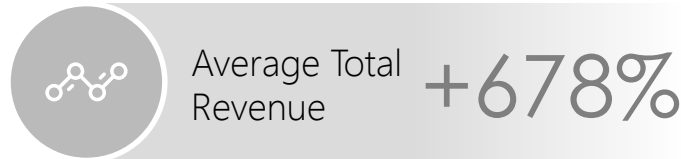
Average Operating Income



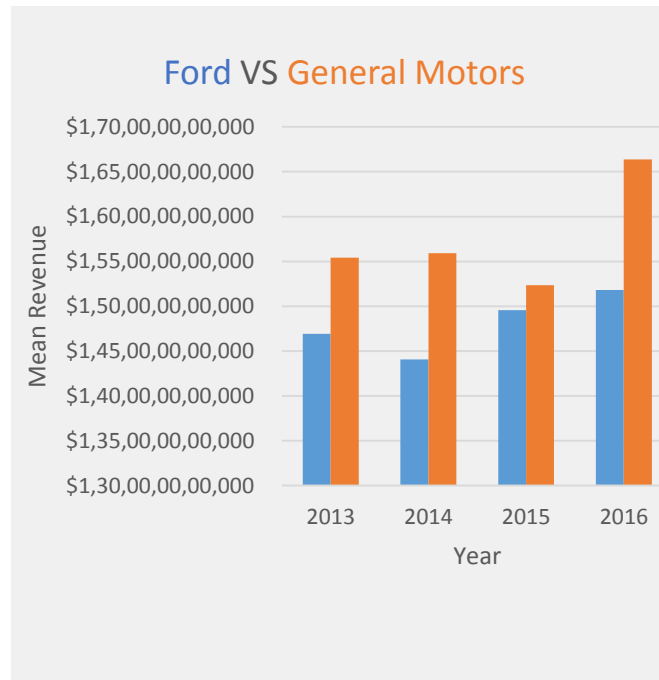
Explanation

From the line graph it is evident that the 'Automobile Industry' earn an average (Mean) operating income of 5859.5 million dollars, while other companies earn 2853.6 million dollars on an average in between 2013 and 2016. This evaluates the question to be true. This projects a good business model structure and healthy growth.

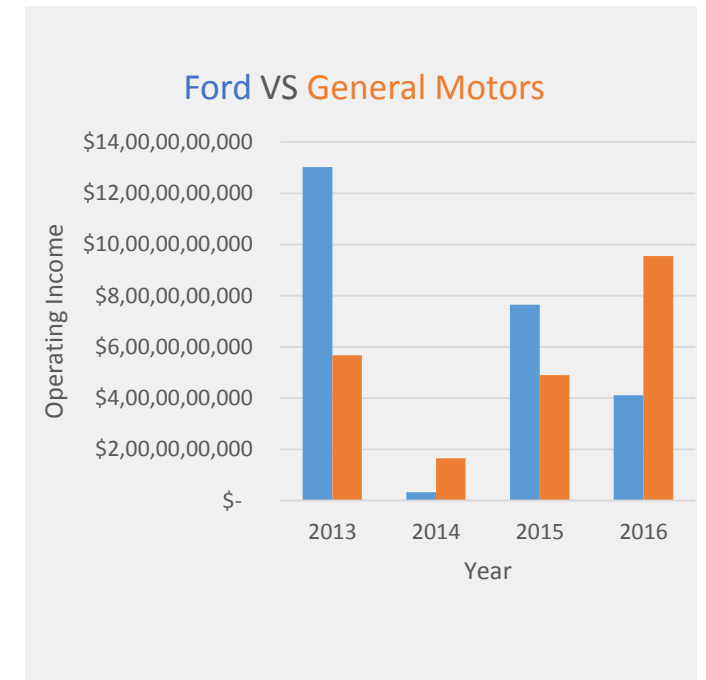
Does FORD company earn more profits compared to Other Automobile Manufacturers ?



Ford: 148088 million dollars
General Motors: 21822 million dollars

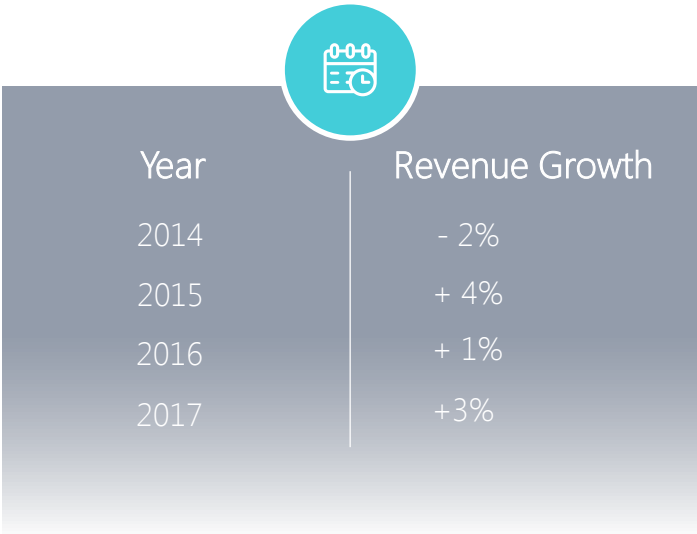


Ford: 148088 million dollars
General Motors: 157523 million dollars

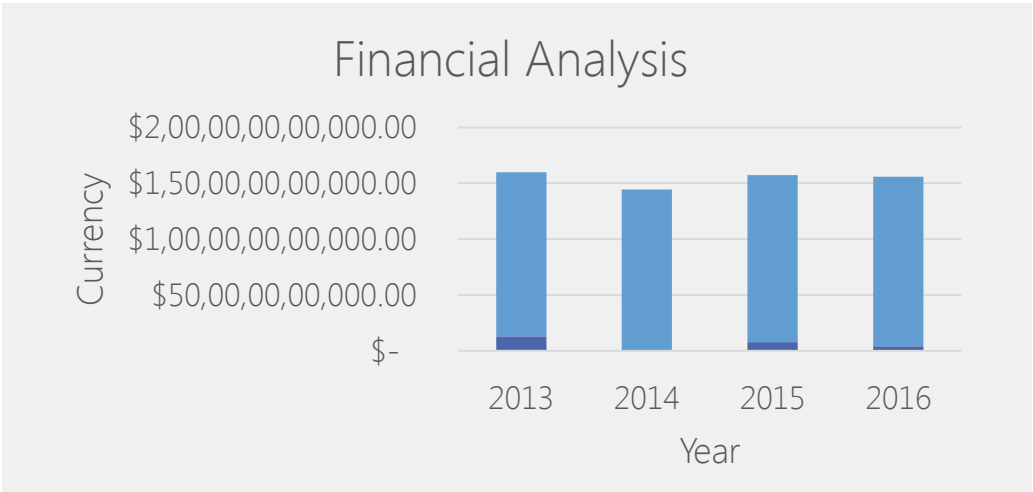


Ford: 6278 million dollars
General Motors: 5441 million dollars

From the histogram comparison and descriptive statistics, it is evident that “Ford” company earns more profits than any other company in ‘Automobile Manufacturing Industry’, this gives the company an advantage in future business growth.



Summary Statistics	
Mean	6278000000.00
Median	5881500000.00
Mode	#N/A
Standard Deviation	5394980444.82



Operating Income Total Revenue



THANK YOU