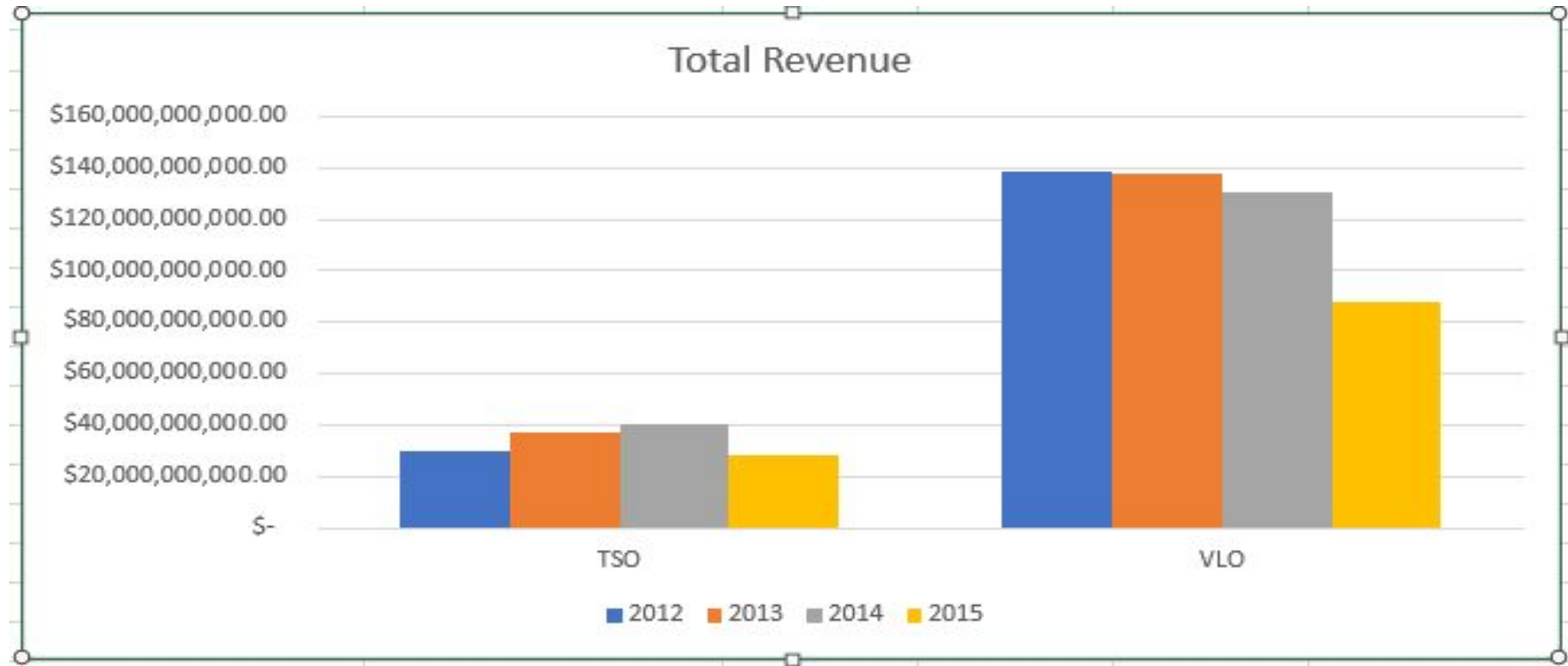


BUSINESS ANALYTICS NANODEGREE

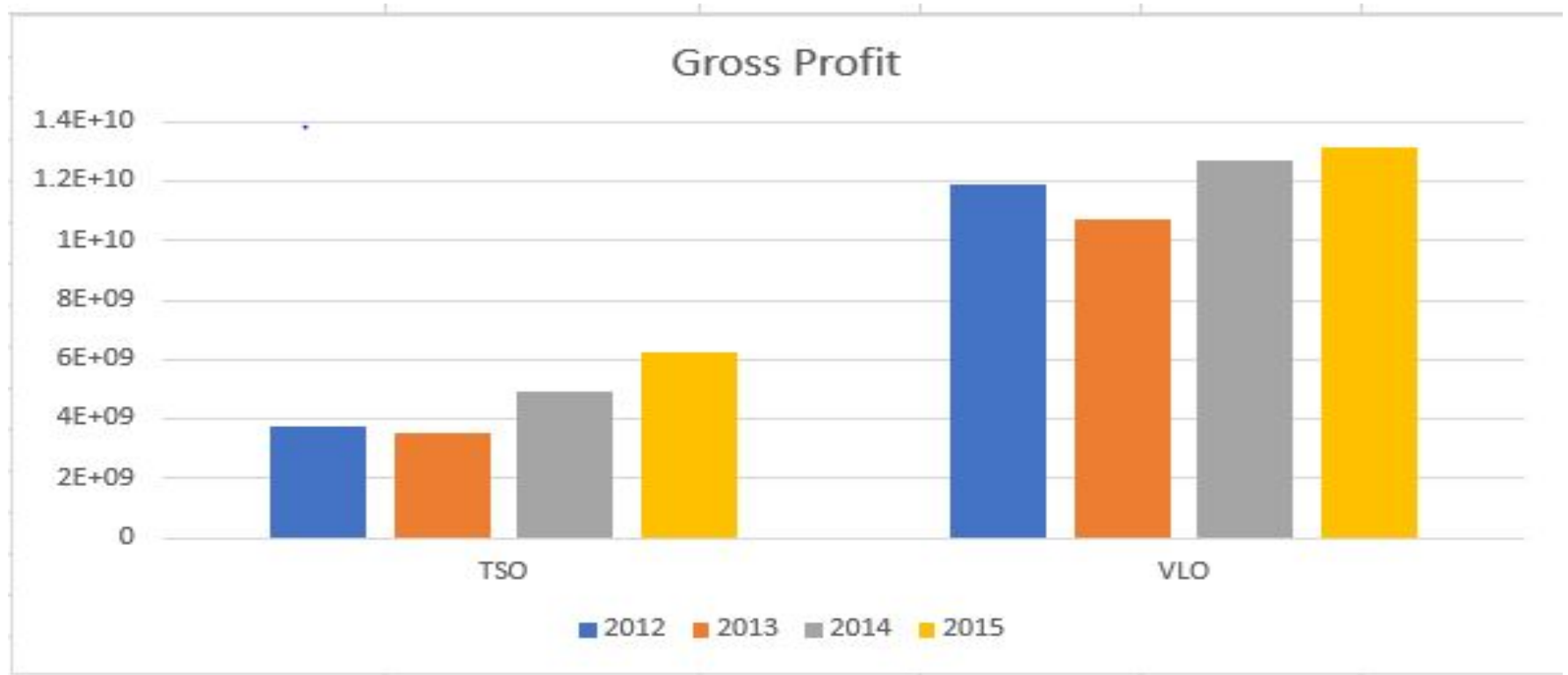
ANALYSE NYSE DATA

In Gas & Refining industry, Is VLO earn more revenue than other company's ?



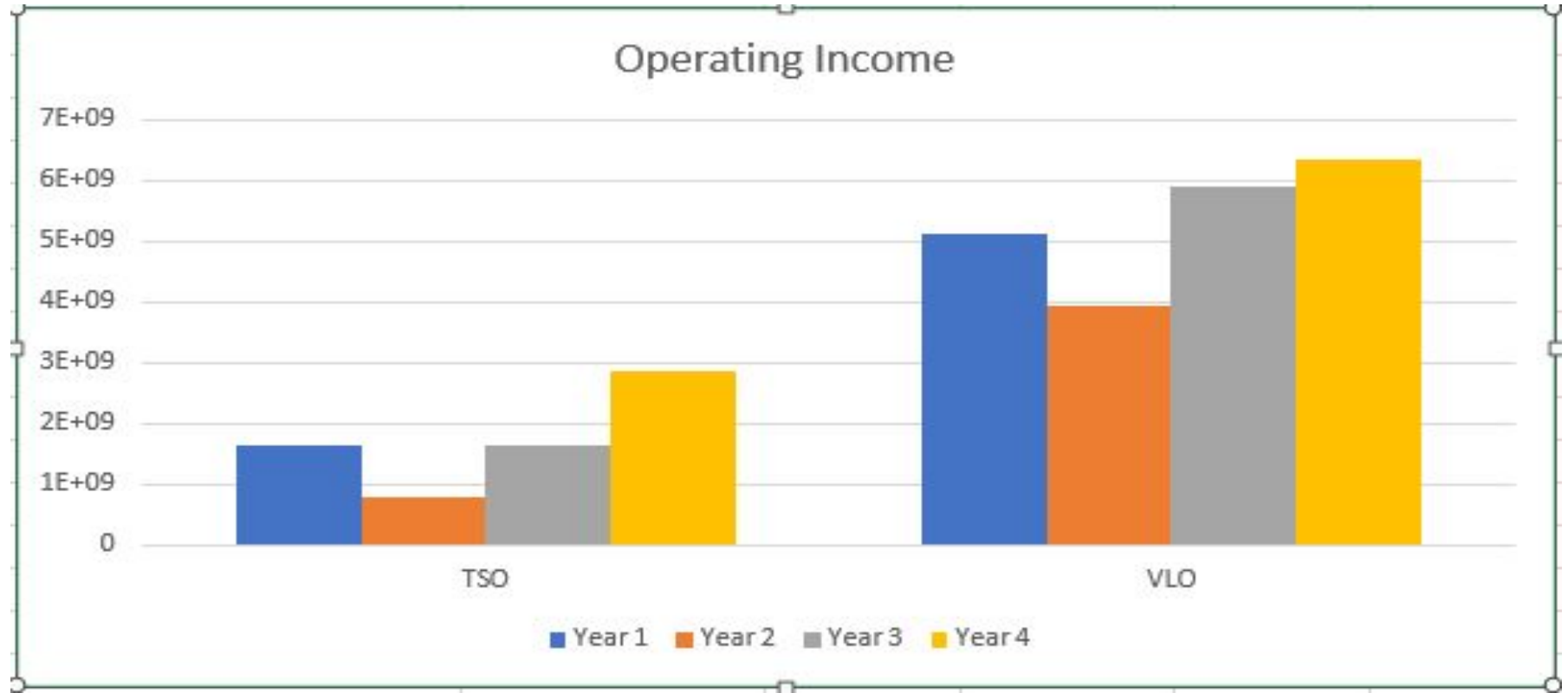
- As per the graph, the mean total revenue of company VLO is \$123778750000. While the other company in this industry is TSO and the mean total revenue of that company is \$34188500000.
- So from that the question is proved, VLO earn more revenue as compare to TSO.

Does VLO has higher profit as compare to TSO ?



- Now compare gross profit of both companies as per every year, graph shows difference is more in two comparison.
- The average gross profit for VLO is \$12130500000 and for TSO is \$4621250000. So the gross profit earn by VLO is much higher than TSO. The difference of profit margin is double of VLO as compare to TSO.
- Hence question is proved with the help of data.

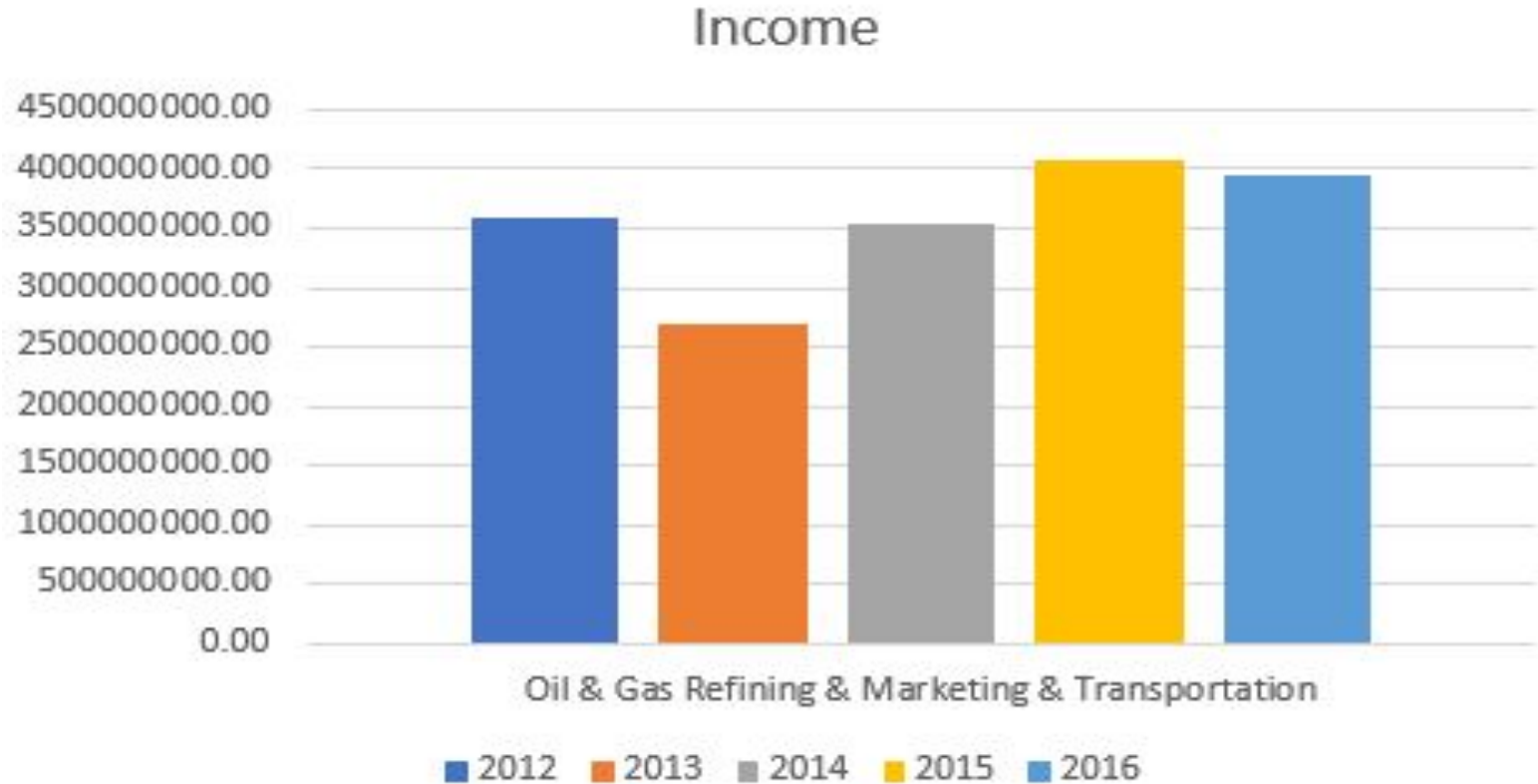
VLO earn 3 times more income than TSO, is it true?



- If we compare year by year or taking the average operating income of both the company, i.e. VLO have average operating income is \$5336750000 and the income of TSO is \$1732000000.
- In comparison it is true that VLO earn 3 times more income as compare to TSO.
- If we compare summary statistics of both the company's , VLO have better future than TSO in gas and refinery industry sector.

SUMMARY	TSO	VLO
TOTAL	6928000000	21347000000
MINIMUM	779000000	3957000000
MAXIMUM	2869000000	6358000000
MEDIAN	1640000000	5516000000
MEAN	1732000000	5336750000
STANDARD DEVIA.	859832930	1050224539
RANGE	2090000000	2401000000

Operating income for Oil & gas refinery industry same over years?



- The mean operating income for oil & gas industry is nearly as same as median operating income.
- The average operating income of oil & gas industry is \$3490875000 whereas the median operating income is \$3583400000 which is clearly as same as.
- The standard deviation is 53918768 and range for operating income \$1374000000.
- So every year income is not same, there is some fall in income in 2013 while income rises in year 2015. As per the question it is not true that income is same over year in oil & gas industry.

THANK YOU...!