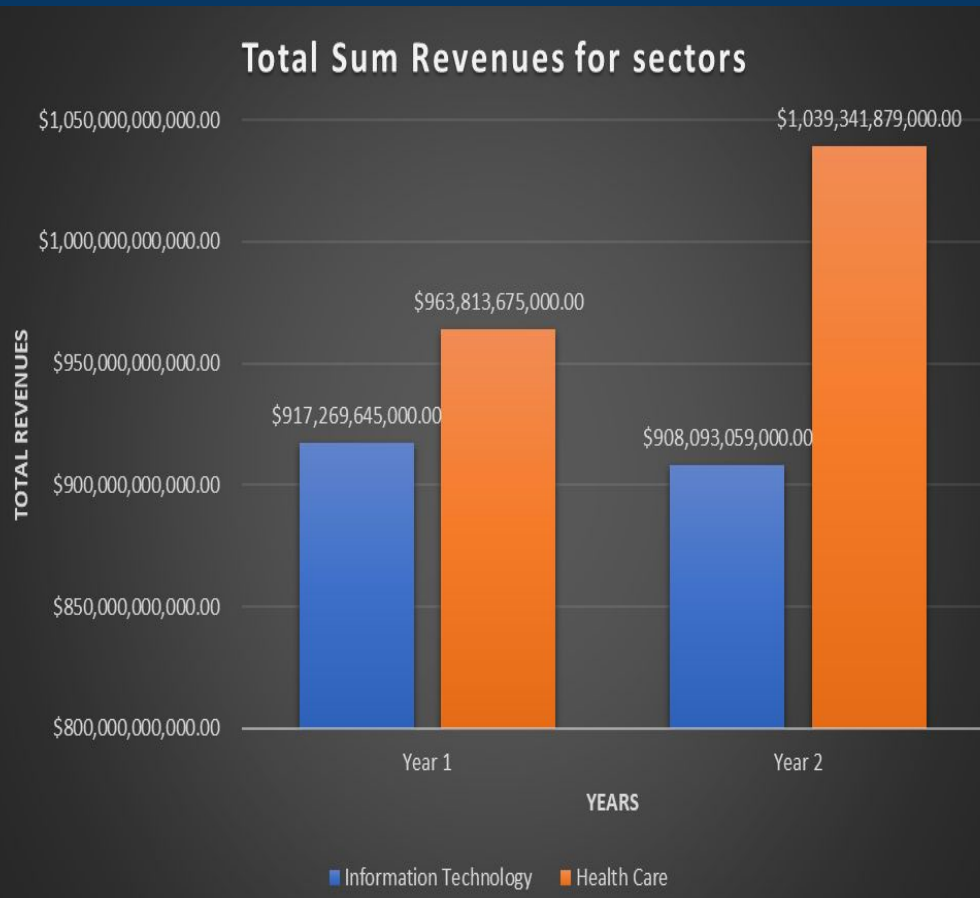




New York Stock Exchange Data Analysis



How does Information Technology perform compare to Health care in total revenues ?



I was wondering how does the information technology sector performs compare to health care in total revenues in NYSE.

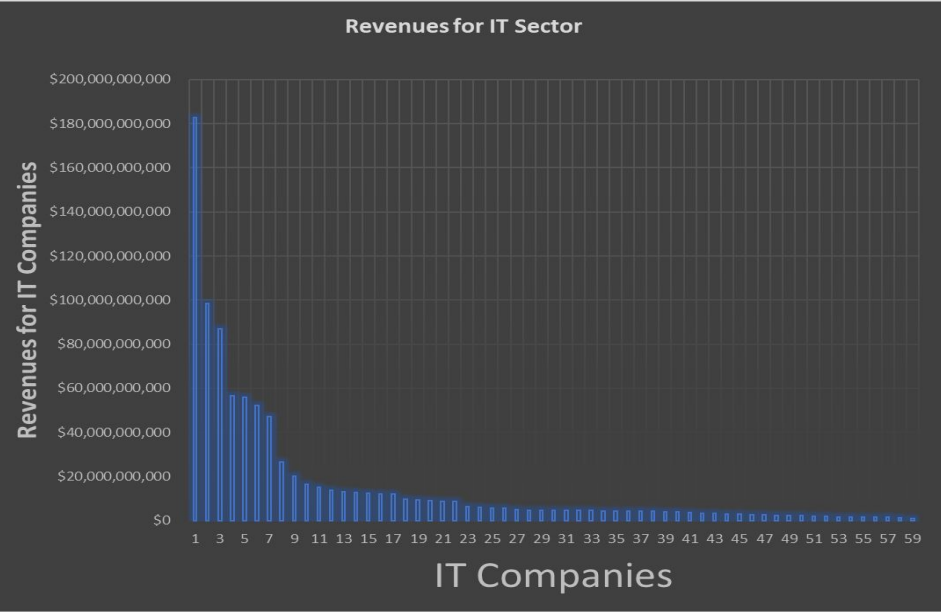
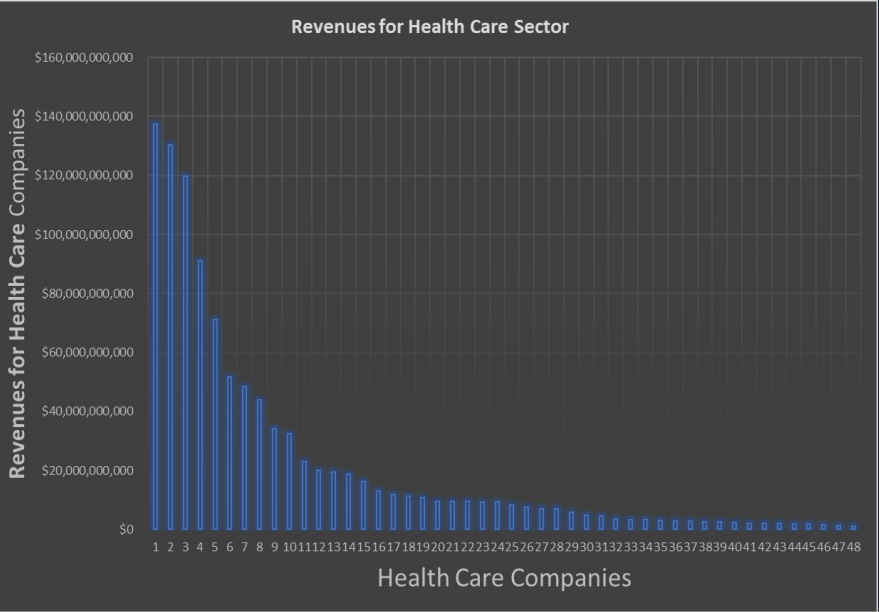
The bar chart shown in the left represent the 2 sectors where the blue bar is the information technology and the orange bar is the health care.

As we can see the Information technology sector total revenues didn't manage to increase in the second year but did the opposite where it did decrease from \$917 billion to \$908 billion (-1.09%) which is a significant failure compare to health care where its significantly increased from \$963 billion to \$1.039 trillion (+7.89%).

By that we can conclude the public interests in 2012 - 2014 were interested more in the health care more than the information technology due to the introduction of online insurance markets where millions of Americans rushed into this service.

Also not to mention that we have only 48 company for thee health care and 59 company for the IT sector, although the sample for health care is lower but the total revenues is higher for the health care

How does Information Technology perform compare to Health care in total revenues ?



As we can see from the charts above we have a positive Skewed for both sectors where is the Mean for IT sector is (\$912 Billion) is bigger than Median (\$4 billion) by a lot due to the outliers that affected our mean, and we have the same thing for the health care where is the Mean (\$1 Trillion) is bigger than the Median(\$8 Billion).

However, although the mean for the health care is higher than the Information technology mean but the standard deviation is higher on the health Care, The higher the standard deviation gets the much risk involved in the investment, so for our data here, it's much risky to invest in health care because of the Standard deviation.

For the IQR(Interquartile range) we have 16 Billion for the health care where its much higher than the IQR of the IT sector 9 Billion, however, the IQR indicate that the distribution in the 50% of the health care companies is much bigger than the IT sector, as you can and notice and above charts the bars in the middle are higher in the health care charts.

Profit and Loss of HOG Company in 4 years interval

As we can see in the Profit and Loss table below for HOG company we can see the gross profit significantly increased from the first year to the third year by 14.07% and peaked in the third year but HOG company faced an obstacle in the fourth year where the gross profit decreased by 2.66%.

As for the Operating Income(EBIT), HOG company did great in the first 3 years where its was increasing year after year but HOG didn't manage to keep up and faced a downfall in the fourth year where the operating income rebound by 9.77% from the peak point in the third year.

After some research I conclude the HOG didn't manage to keep their customers because they didn't make lighter bikes and their competitors took advantage with that like URBAN.

HOG	Profit and Loss			
	Year 1	Year 2	Year 3	Year 4
Revenue	\$5,580,506,000.00	\$5,899,872,000.00	\$6,228,508,000.00	\$5,995,402,000.00
COGS	\$3,440,623,000.00	\$3,621,417,000.00	\$3,788,023,000.00	\$3,619,612,000.00
Gross Profit	\$2,139,883,000.00	\$2,278,455,000.00	\$2,440,485,000.00	\$2,375,790,000.00
Sales, General and Admin	\$1,111,232,000.00	\$1,124,753,000.00	\$1,159,502,000.00	\$1,220,095,000.00
Other operating expenses	\$0.00	\$0.00	\$0.00	\$0.00
Research and Development	\$0.00	\$0.00	\$0.00	\$0.00
Total operating expenses	\$1,111,232,000.00	\$1,124,753,000.00	\$1,159,502,000.00	\$1,220,095,000.00
Operating income	\$1,028,651,000.00	\$1,153,702,000.00	\$1,280,983,000.00	\$1,155,695,000.00


Profit and Loss Forecasting of CCL Company for the next 2 years

The table below shows the forecast for the profit and loss in the next 2 years for the CCL company and as we can see below I expect the revenue growth in the best case to increase from 3.4% in the fifth year to the 4.4% in the sixth year and the gross margin based on my expectation should increase to 15.2% in the fifth year to 16.2% in the sixth year, as for the operating margin I expect it to increase to 38.5% in the fifth year to 39.5% in the sixth year.

In the base case in my opinion I can see the revenue growth increasing from 1.99% in the fifth year to 2.99% in the 5th year and I expect the gross margin to increase from 13.7% to 14.7% if everything goes well and the operating margin should increase from 37% to 38%.

In the weak case I expect the revenue growth to increase by 0.7% to 1.7% and for the gross margin based on my study I expect it to increase by 12.4% to 13.4% in the sixth year where the operating margin should increase by 35.78% to 36.78% in the sixth year.

CCL	Profit and Loss					
	Year 5			Year 6		
	Weak Case	Base Case	Best Case	Weak Case	Base Case	Best Case
Revenue	\$16,511,612,905.20	\$16,716,475,405.20	\$16,962,310,405.20	\$16,800,259,257.45	\$17,217,658,986.33	\$17,725,299,123.49
Gross Profit	\$5,909,093,028.32	\$6,191,364,132.62	\$6,536,849,920.27	\$6,180,394,926.51	\$6,549,166,577.98	\$7,008,139,668.47
Operating Income	\$2,062,179,430.66	\$2,296,721,197.94	\$2,584,931,781.18	\$2,266,231,837.01	\$2,537,756,738.45	\$2,878,458,660.79
Gross Margin	0.12489	0.13739	0.15239	0.13489	0.14739	0.16239
Operating Margin	0.35787	0.37037	0.38537	0.36787	0.38037	0.39537
Revenue Growth	0.00748	0.01998	0.03498	0.01748	0.02998	0.04498



Thank you for reading my presentation about
NYSE

Best Regards,

Abdullah Mohammed Al-Qahtani