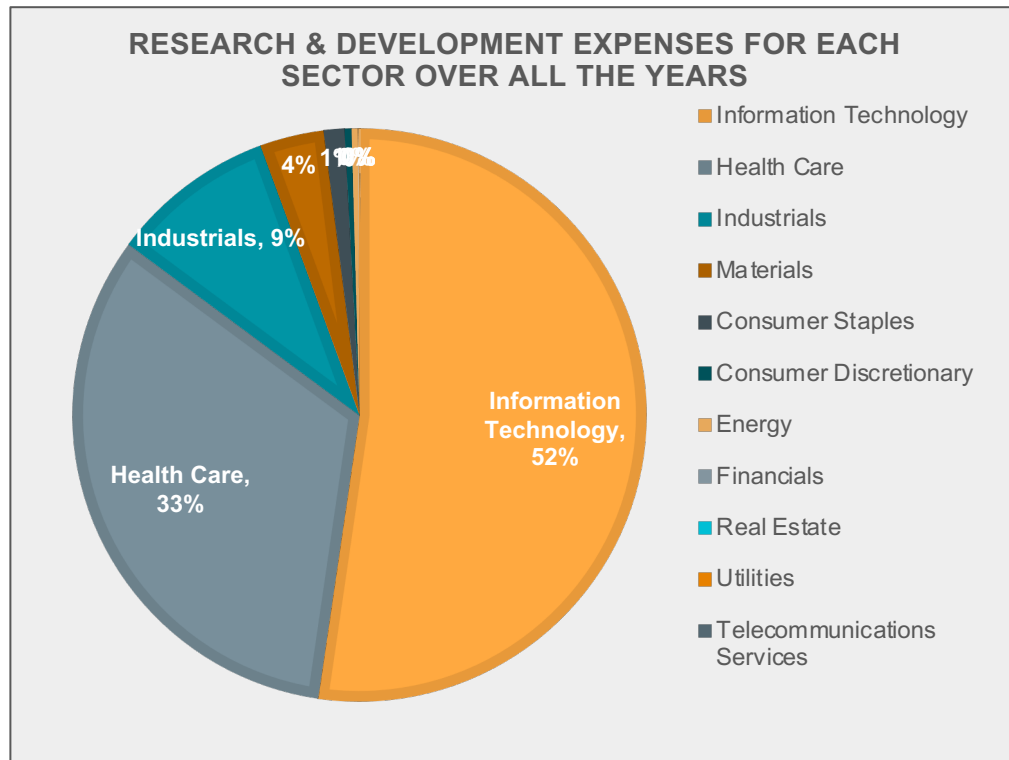


Project2:Analyse NYSE Data

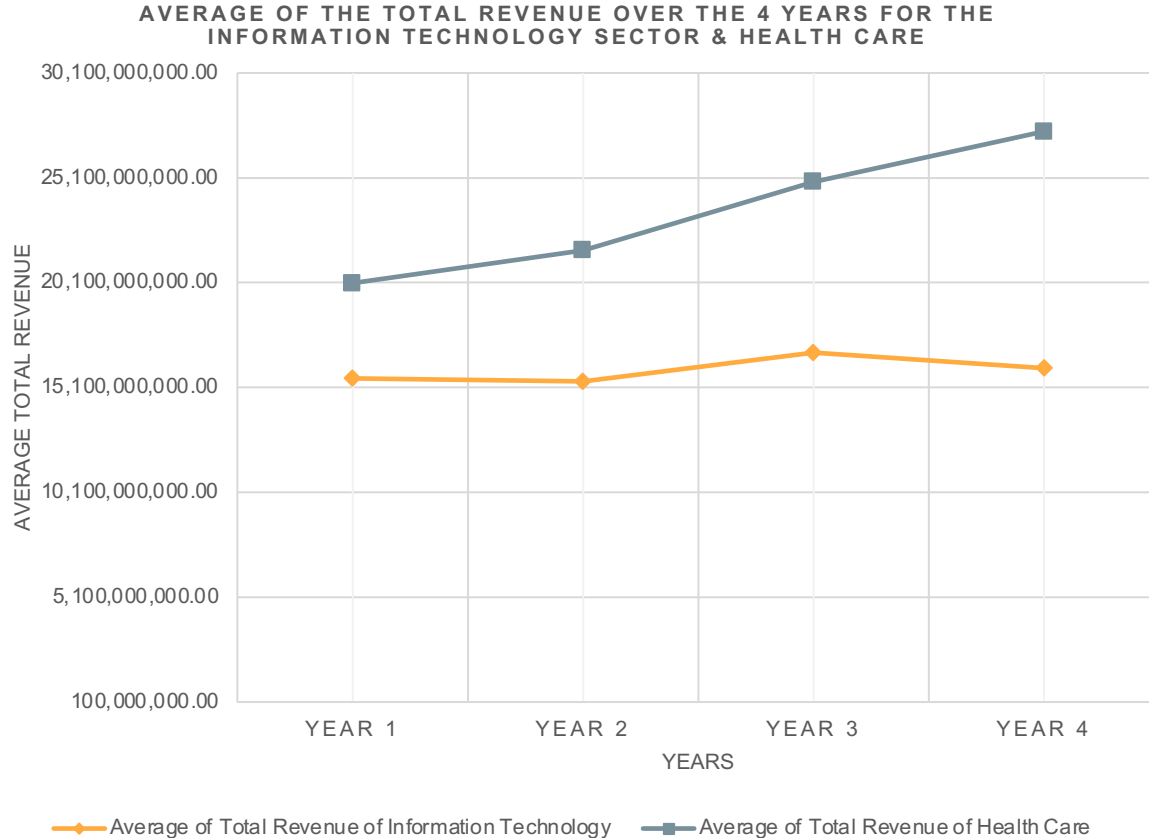
What are to Top 3 Sectors Spent the most on Research & Development?



The following pie chart shows the spent average of the Research & Development expenses for all sectors.

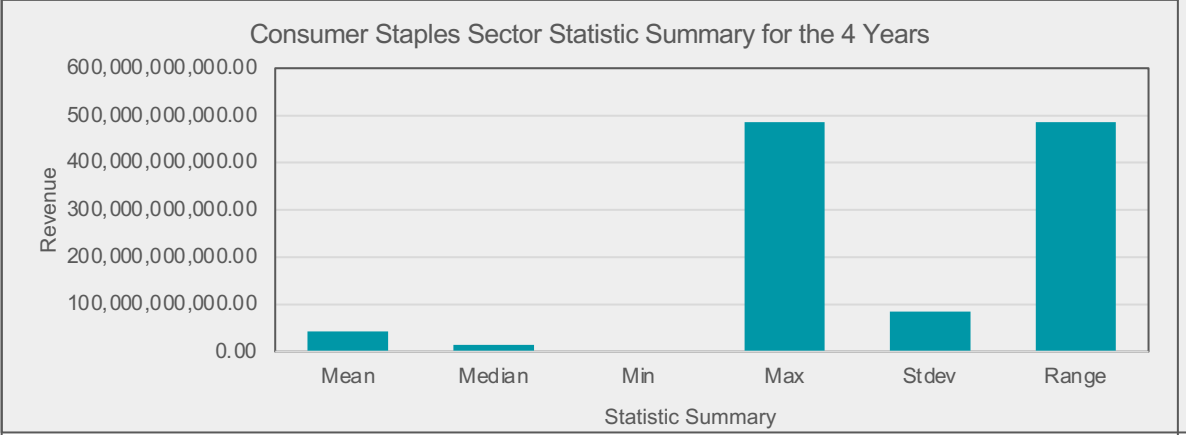
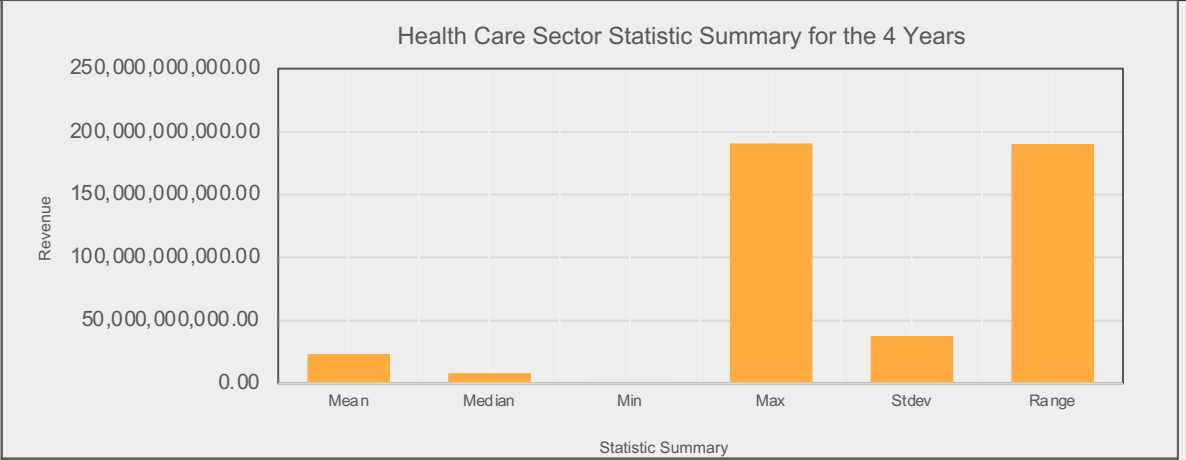
- We found that “**Information Technology**” Sector has the highest spending rate.52%.
- The Second is “**Health Care**” with rate of 33%.
- Third one is “**Industrials**” with rate of 9%.

How the total Revenue average changes over the years for the Information technology and Health care Sector ?



- From the line chart we can notice that the Health care sector has higher revenue average than the information technology sector over the years.
- Also, we can observe that the Health care sector is increasing while the Information technology sector continues to increase and decrease over the four years.

What is the Summary Statics of the Total Revenue for the Consumer Staples & Health care Sectors?



From the Statistic summary charts, we can observe that 50% of the Consumer Staples sector earns more than 13,859,500,000 "the Median" and 50% earns less than the Median. And 50% of the Health care Sector earns more than 8,446,000,000 "the Median" and 50 % of the Health care sector earns less than the median.

Also, the Mean shows that the Consumer Staples companies earns 43,407,926,143.94 On average. In comparison with the Health care Sector Mean "23,499,748,015.87", the Consumer Staples Sector Companies earning is higher and almost the double Health Care Sector Companies.

Standard Deviation of Health Care sector is 37,807,739,255 and of Consumer Staples sector is 85,488,778,871.13 ,and it is higher than the Health Care Sector which indicates that the Consumer Staples sector is more spreaded sector, This could be due to the higher revenue.

The Range of the Consumer Staples Sector is higher than in the Health Care Sector, this state that the Revenue in Consumer Staples is more Spreaded.