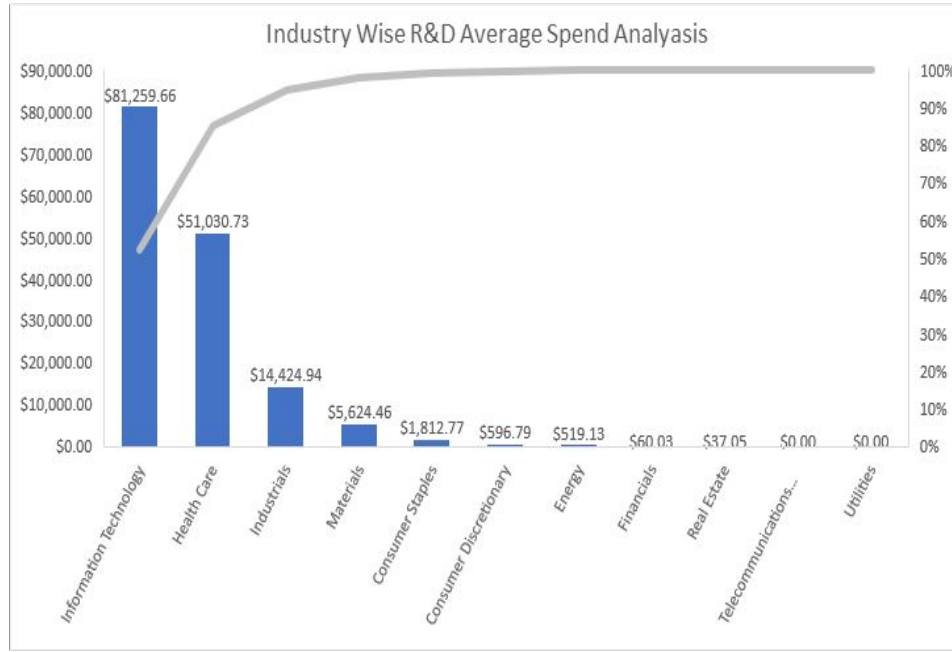


NYSE DATA ANALYSIS

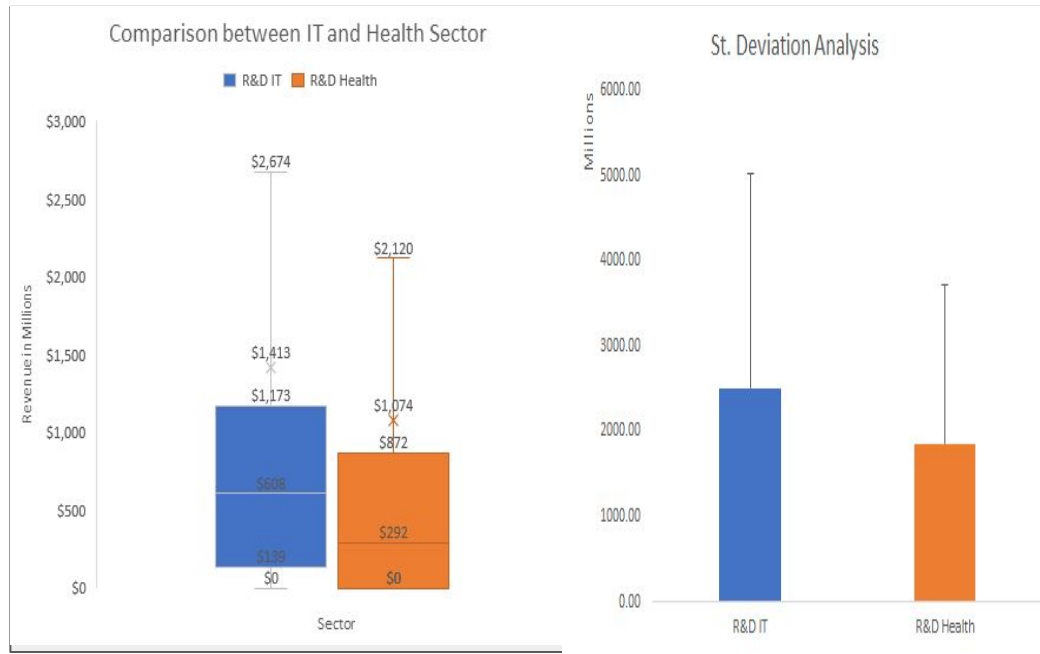
Submitted by: Neha Sharma

Which Industries Contribute to over 80% in Research & Development



- As seen in the pareto chart , Information Technology and Health Care contribute to more than 80% of the average amount spent in Research and Development (R&D), with Information Technology contributing \$81,259 million and Healthcare contributing \$51,030 million to R&D.
- We can infer that if a company in Information Technology and Healthcare does not spend on R&D they can soon be out of business, because these sectors as a whole are heavily invested on R&D and consistently looking out for new products and innovations through R&D.

How is R&D spend spread across IT and Healthcare companies?



- As seen in the Box and Whisker plot, the median of R&D spend in IT (\$608 million) is approximately 2X in comparison to R&D spend in Healthcare(\$292 million), while the mean R&D values in IT is \$1413 million and Healthcare is \$1074 million.
- The Median is more relevant to perform R&D analysis since the data is very spread out in IT sector denoting a higher standard deviation of 2506 million in comparison to a lower standard deviation of 1854 million.
- The higher standard deviation in IT means that the data is more spread out with more outliers as compared to Health Sector.

THANK YOU!!!