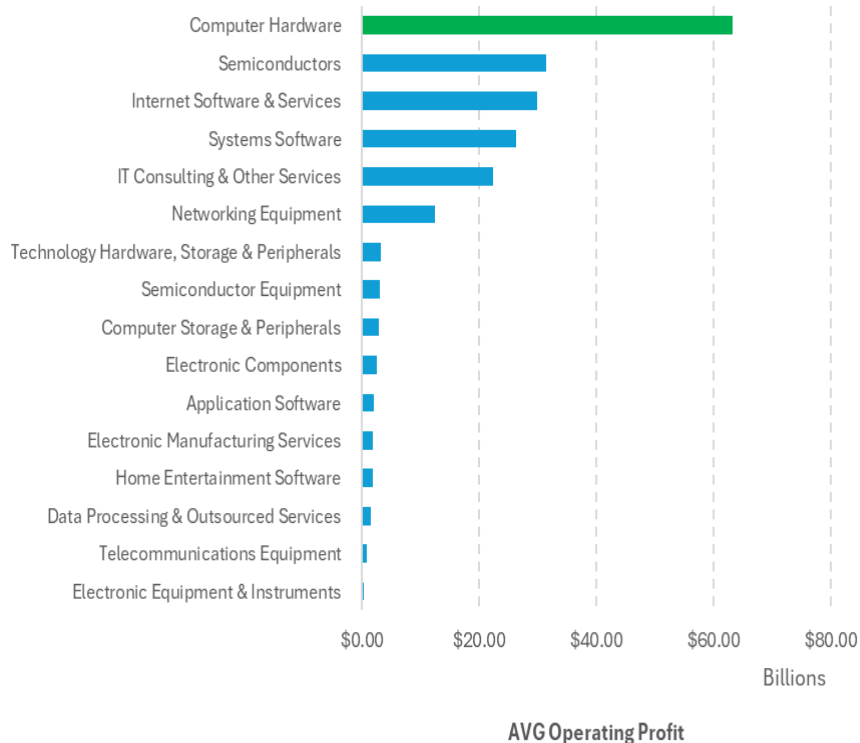


Analyzing NYSE Data



What are the differences in average operating income across various IT sub-industries?

AVG Income by IT Sub-Industry - All Years

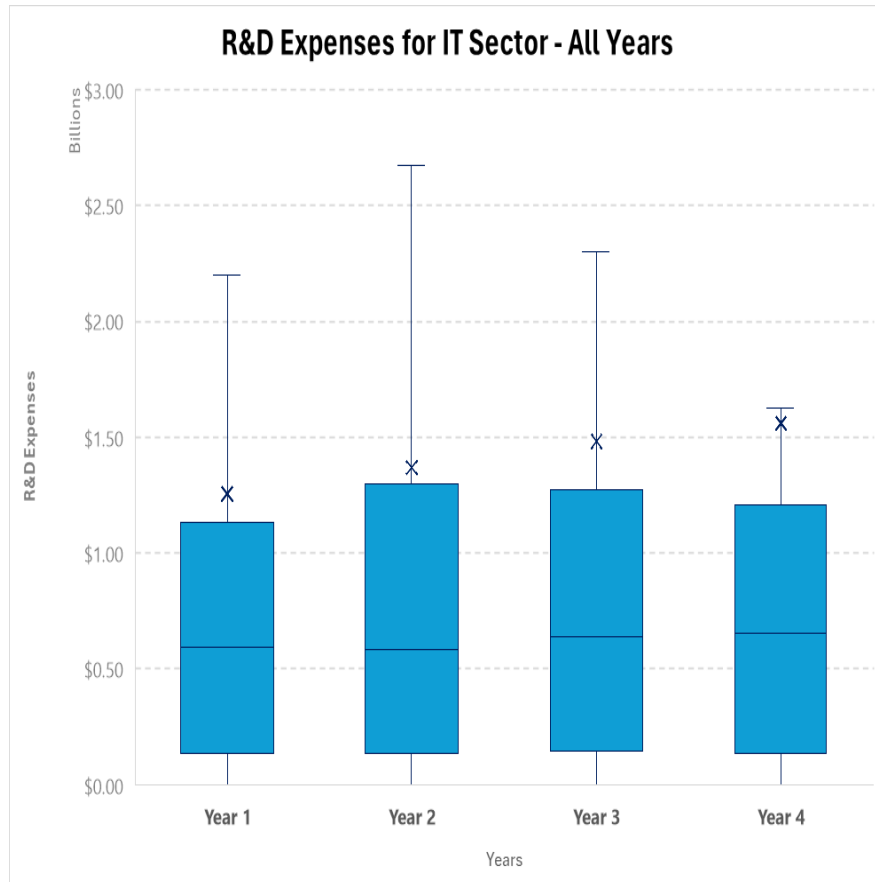


This bar chart represents the average operating profit for different IT sub-industries over all four years.

Computer Hardware has the highest average income, exceedingly even twice that of his closest competitors (Semiconductors).

We can divide sub-industries into three parts. The first part is Computer Hardware, It has an average income of \$ 63 billions. The second part is Semiconductors, Internet, Network, Software, and Services, the average income for them ranges from \$ 12 to \$ 30 billions. The third part is the rest of the sub-industries like Electronic Equipment & Instruments and Data Processing, as the income is less than \$ 3.5 billions.

How have R&D expenses in the IT industry changed over the four years?



This box plot represents the R&D expenses for the IT sector across four years.

The mean R&D expenses has increased each year by \$ 80 to \$ 120 millions, which means that the IT companies started to invest in research and development with a continuous upward approach.

The median R&D expenses has remained relatively stable across all four years (from \$ 0.6 to \$ 0.65 billions), indicating a consistent level of investment in innovation. However, the mean is much greater than the median, it indicates that the data is right-skewed, which might suggest that: a few companies are investing significantly more in R&D than the majority.



Thank you

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