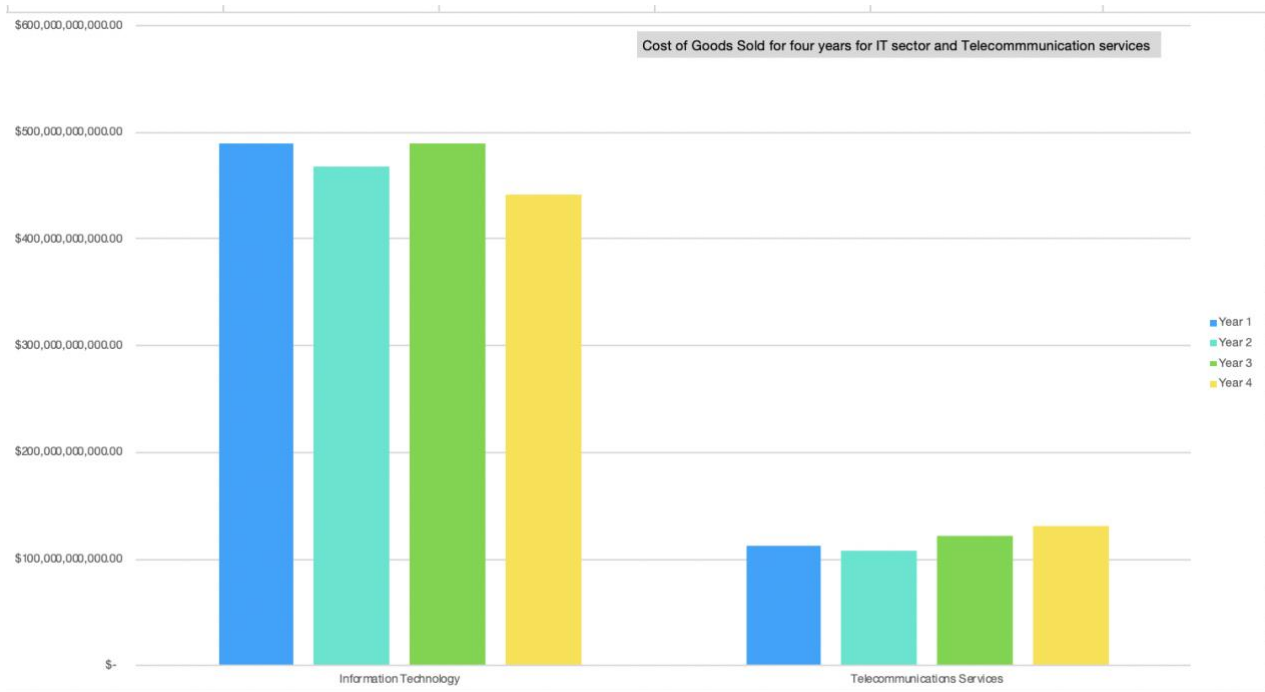


Insight:

WHICH SECTOR HAS MORE RISK FOR THE COST OF GOODS EVERY YEAR, IT SECTOR OR TELECOMMUNICATION SERVICE?

| Sum of Cost of Goods Sold | Column Labels | | | | | | | |
|--|----------------------|----------------------|---|----------------------|------------------------|-----------------------------|-----------------------------|--|
| Row Labels | Year 1 | Year 2 | Year 3 | Year 4 | Grand Total | | | |
| Information Technology | \$488,874,559,000.00 | \$467,949,323,000.00 | \$489,362,765,000.00 | \$441,900,518,000.00 | \$1,888,087,165,000.00 | | | |
| Telecommunications Services | \$112,993,000,000.00 | \$107,270,000,000.00 | \$121,697,000,000.00 | \$131,646,000,000.00 | \$ 473,606,000,000.00 | | | |
| Grand Total | \$601,867,559,000.00 | \$575,219,323,000.00 | \$611,059,765,000.00 | \$573,546,518,000.00 | \$2,361,693,165,000.00 | | | |
| Mean for Information Technology | \$472,021,791,250.00 | | Standard Deviation for Information Technology | 22424698075 | | | | |
| Mean for Telecommunications Services | \$118,401,500,000.00 | | Standard Deviation for Telecommunication Sector | 10637030679 | | | | |
| Median for Information Technology | \$478,411,941,000.00 | | Range for Information Technology | \$ 47,462,247,000.00 | | MAX \$489,362,765,000.00 | Min \$441,900,518,000.00 | |
| Median For Telecommunications Services | \$117,345,000,000.00 | | Range for Telecommunication Sector | \$ 24,376,000,000.00 | | \$131,646,000,000.00 | \$107,270,000,000.00 | |



From provided NYSE data, I created pivot table on the new sheet and done the comparison of sum of Cost of goods sold in all the four years between Information Technology and Telecommunication Sector. The calculation of the sum on the cost is shown in the above

dashboard. After calculating the mean, standard deviation and median, I created the bar chart which is shown above with two sectors in different year along X-axis and the cost of good along Y-axis. The mean of the sum of cost of goods sold for information technology is \$472,021,791,250 and the mean of the sum of cost of goods sold for telecommunication services is \$118,401,500,000. Also, the standard deviation for IT and telecom is 22424698075 and 10637030679. Upon analyzing the standard deviation from the provided data, it clearly suggests that IT sector is more spread out then the Telecom services. This means that the IT sector has high risk than the telecom services in terms of the cost of goods sold every year.