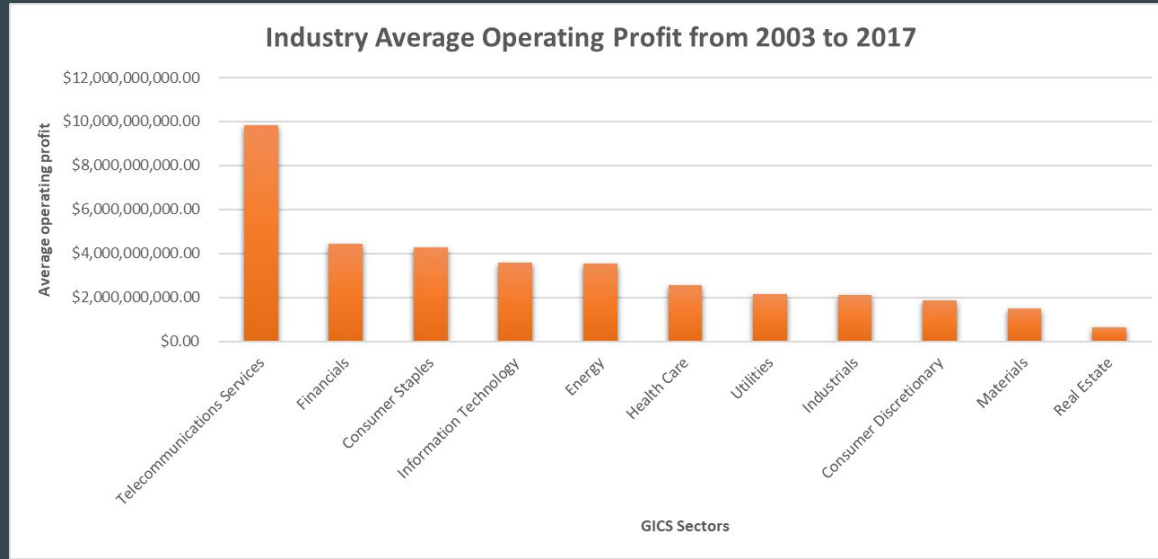


# Project 2: Analyzing NYSE data

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April 1, 2022

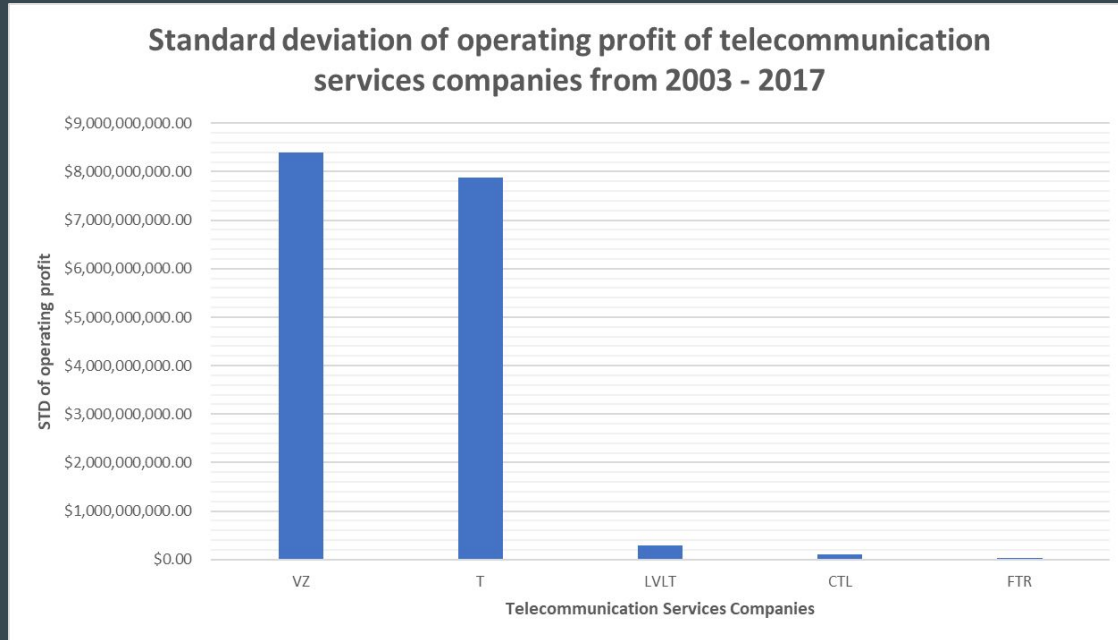
# Which GICS Sector has the highest operating profit?



From 2003 to 2017 on average telecommunication services had a higher operating profit than all the other GICS sectors. The average operating profit for the telecommunication services sector was more than double of the financial sector, which is the sector with the second highest operating profit.

If we based our investment decision on the sector with the highest operating margin, which is an important financial metric showcasing the potential future performance, investing in the telecommunication services sector would be a good idea.

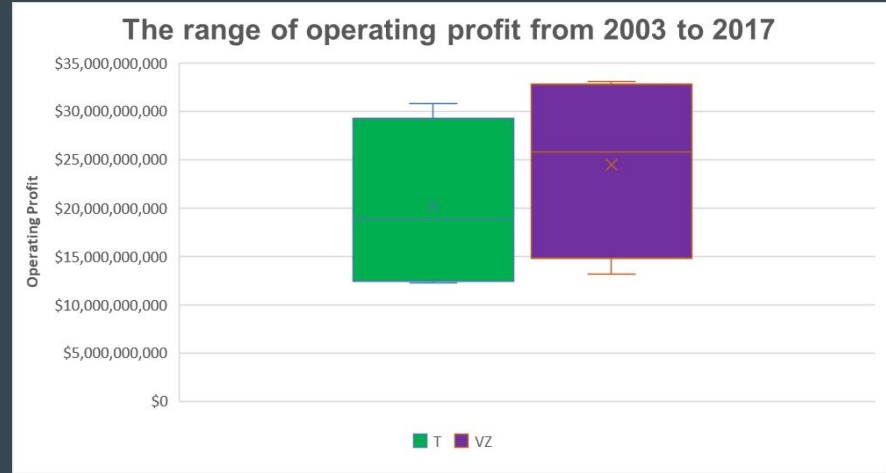
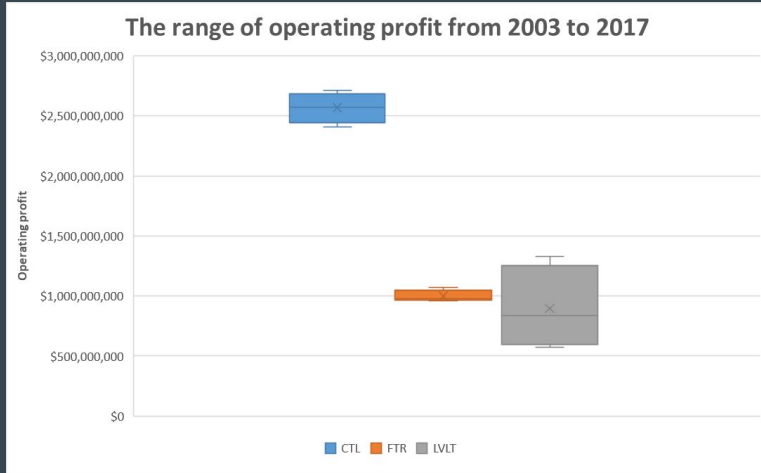
# Which company within the telecommunications services sector has the lowest standard deviation ?



From 2003 to 2017 within the telecommunication services sector FTR had the lowest standard deviation of the operating profit.

If we want to choose a low risk investment we should choose to invest in FTR which has the lowest STD of \$42 mil.. LVLT with an STD of \$300 mil. and CTL with a STD of \$109 mil. are also good options as their standard deviations are much lower in comparison to VZ and T who have a STD higher than \$7 trillion.

# What is the profit range of telecommunication services companies?



- The range of operating profit confirms the previous observation according to which FTR has the least amount of variation of its operating profit. CTL has a smaller range than LVL, however its operating profit range is all the way above the one of CTL which would make the better investment option out of the two.
- T and VZ are the two companies in the sector with the largest range, but they also have the highest operating profits. Both VZ's median and average are above T's which makes it the better investment options of the two