PROJECT 1
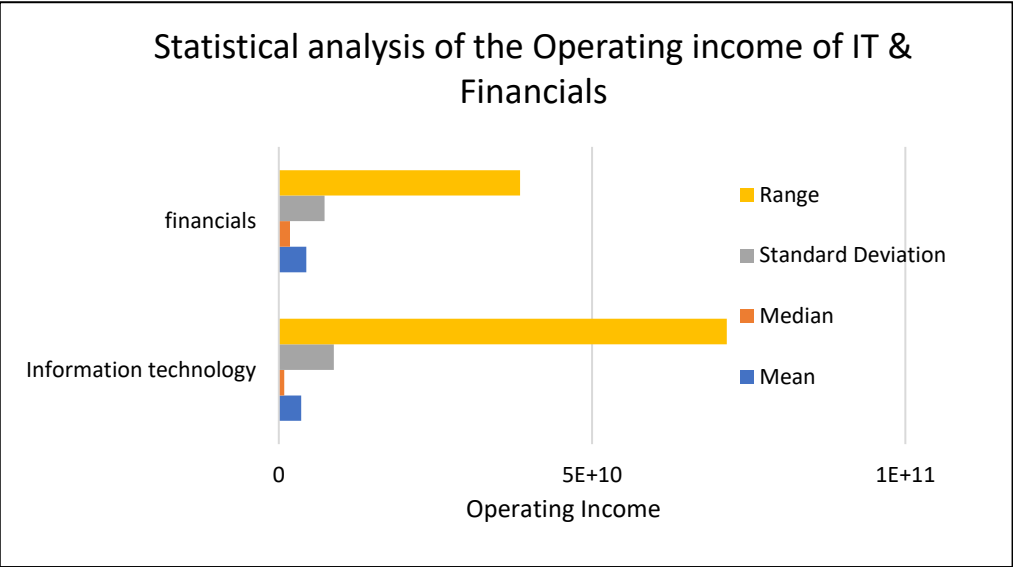
- Zaara Fakih

Comparison between operating income of financials & information technology from 2012-2016

Statistical analysis of the Operating income of IT & Financials

Legend:
- ■ Range
- ■ Standard Deviation
- ■ Median
- ■ Mean

X-axis: Operating Income (0, 5E+10, 1E+11)

Categories: financials, Information technology

Operating Income Comparison for IT & Financials from 2012-2016

Y-axis: Average Operating Income (0, 1E+09, 2E+09, 3E+09, 4E+09, 5E+09, 6E+09)
X-axis: Years (2012, 2013, 2014, 2015, 2016)

Legend:
- —— Financials
- —— Information Technology
- ···· Linear (Financials)
- ···· Linear (Information Technology)

From the given data for the years 2012-2016, the inferential statistics for operating income of IT shows that its mean is 3567280765 which is less than its std dev equating to 8782706746 . This along with a range of 71516074000 shows that the data is highly variable and is not clustered near the mean.

Similarly, for the same timeline, operating income of Financials shows that the mean 4424028646 is less than the std dev 7327520502 .This also depicts that the data is variable and not clustered near the mean. Its range is 38528000000 .

However, the difference between the mean and std dev for Financials is less than that of Information technology. This stands true for the range as well. Therefore , data is less variable for financials as compared to information technology.

The chart also depicts positive trendline for Information technology i.e. the operating income has grown for IT from 2012-2016. It is the opposite for Financials. It has a negative trendline showing a decrease in the operating income over the years.