

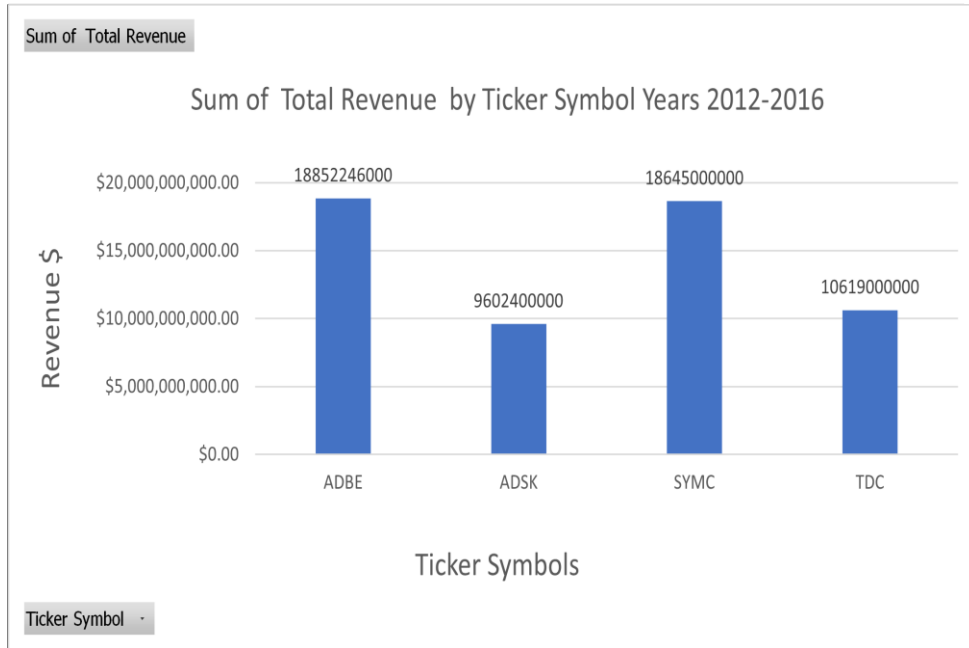
Project #2: Analyze NYSE Data

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|--------|--------|--------|---|---------|------|------|------|
| 262.65 | 55.88 | -0.09% | ▼ | 19 538 | 9.3 | 9.3 | 9.3 |
| 215.45 | 260.82 | -2.68% | ▼ | 88 677 | 17.4 | 17.4 | 17.4 |
| 102.34 | 212.42 | -0.06% | ▼ | 34 646 | 17.8 | 17.8 | 17.8 |
| 150.1 | 101.62 | -1.19% | ▼ | 38 785 | 26.7 | 26.7 | 26.7 |
| 105.71 | 149.39 | -2.65% | ▼ | 154 209 | 28.3 | 28.3 | 28.3 |
| 58.65 | 103.88 | 0.48% | ▲ | 136 387 | 9.9 | 9.9 | 9.9 |
| 74.9 | 57.55 | -3.2% | ▼ | 435 | 15.1 | 15.1 | 15.1 |
| 170.63 | 73.72 | 4.17% | ▲ | 19 172 | 15.5 | 15.5 | 15.5 |
| 22.13 | 164.58 | 3.69% | ▲ | 59 941 | 15.8 | 15.8 | 15.8 |
| 173.54 | 21.66 | -1.49% | ▼ | 2 896 | 16.4 | 16.4 | 16.4 |
| | 173.04 | 3.53% | ▲ | 69 185 | 16.8 | 16.8 | 16.8 |
| | 158.47 | -1.45% | ▼ | 205 432 | 17.3 | 17.3 | 17.3 |
| | | -1.07% | ▼ | 39 439 | 17.7 | 17.7 | 17.7 |
| | | 1.16% | ▲ | 117 746 | 17.8 | 17.8 | 17.8 |
| | | | | 953 409 | 18.3 | 18.3 | 18.3 |
| | | | | 15 588 | 18.8 | 18.8 | 18.8 |

Who is the most profitable company in the Information Technology Application Software sector year 2012-2014?



- Here you will see that I calculated the total revenue that each company had over a 4 year period from 2012-2016.
- The distribution that is depicted on the graph is symmetric which means that it is distributed normally.
- The Standard Deviation for all companies is \$2,087,888,398.13 in year 1 and dropped to \$986,145,865.46 in year 2 which tells me that the industry is highly volatile.
- The mean is \$3,984,610,00 in year 1 and slightly drops in year 3 with \$3,323,991,25. The mean increased in year 3 at \$3,498,927,750 and rises again in year 4 with \$3,622,132,500 which tells me that the IT Application Software industry was consistent in positive revenue over a 4 years.
- The Range in Year 1 is \$4,593,800,000 and drops to \$1,909,100,000 which tell me that a negative event may have happened during or at the end of year 1 as year 2 is the lowest revenue years across all statistics.

Sources:

Getty Images. (n.d.). *Trading in risky '0DTE' stock options hits record and could spark a stock-market selloff, strategists say*. Marketwatch.com. <https://www.marketwatch.com/story/trading-in-risky-0dte-stock-options-hits-record-and-could-a-stock-market-selloff-traders-say-41a35495>