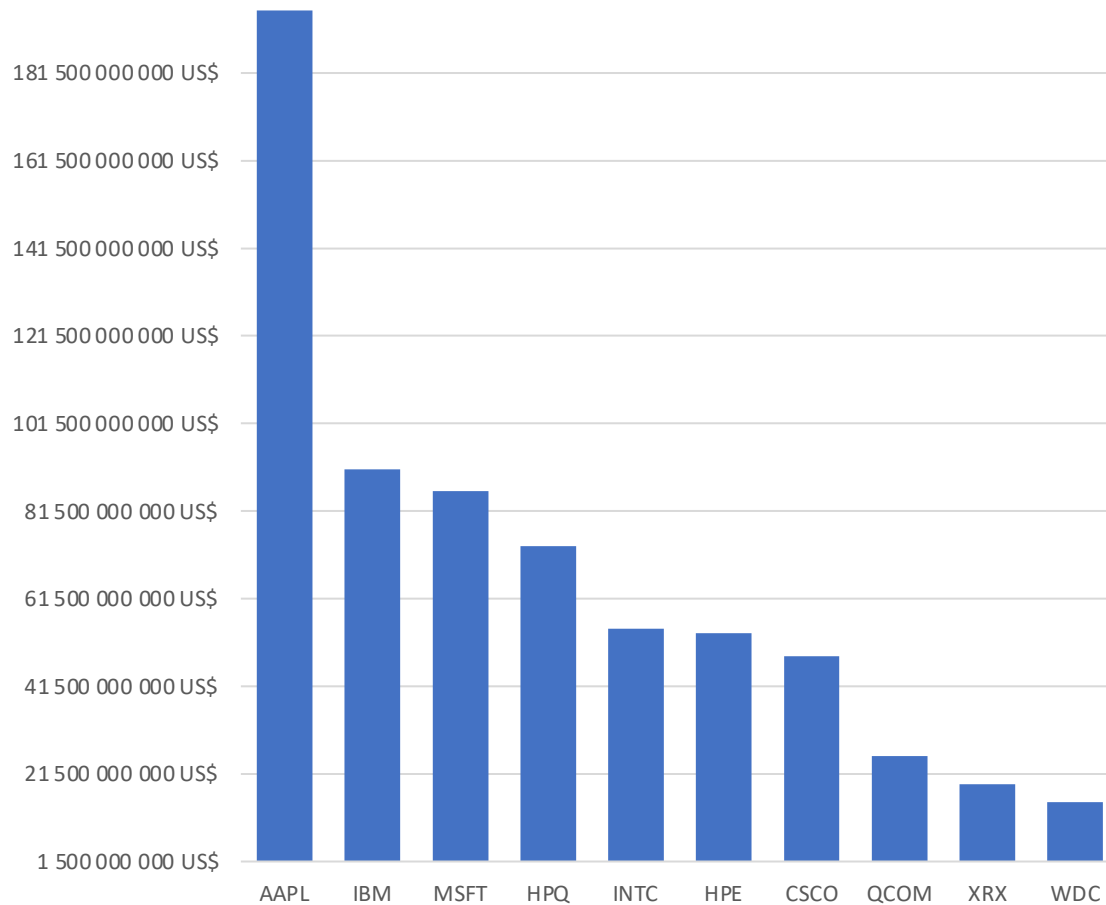


The background of the image is a blue-toned financial candlestick chart. It features several white and light blue candlesticks plotted on a grid. Overlaid on the chart are two curved lines, one in white and one in light blue, representing technical analysis trends. A horizontal line at the top right is labeled '61.6%: 99.19'. Two price points are highlighted with callouts: '104.19' in the upper left and '86.72' in the lower left. The overall aesthetic is professional and data-driven.

Analyze NYSE Dataset

UDACITY'S BUSINESS ANALYTICS NANODEGREE

Avg. revenue of Top 10 companies in IT sector from 2013 to 2015

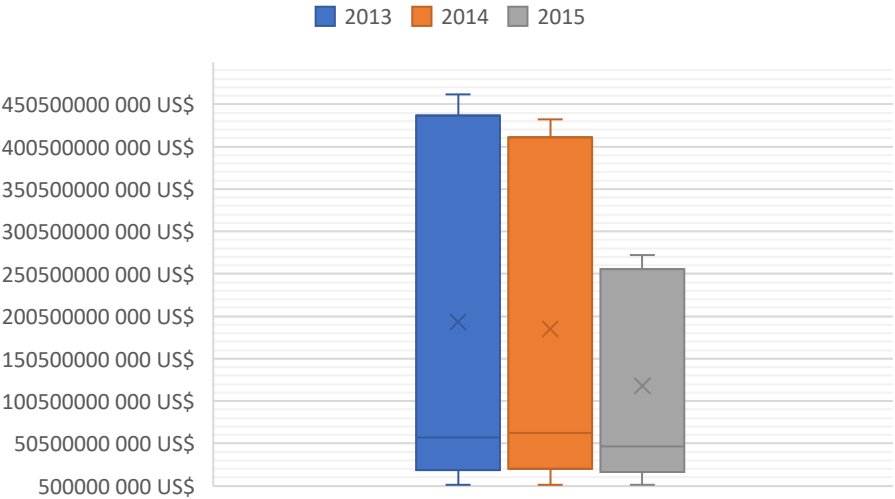


Q1: What is the top 10 companies with highest avg. revenues in Information Technology?

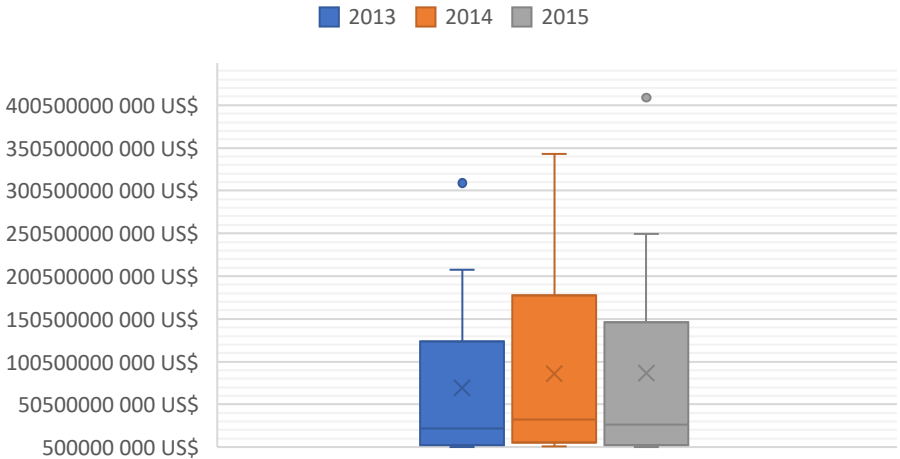
The bar chart shows the average or mean of revenue of top 10 companies in Information Technology. As can be seen, AAPL earning \$195.86 billion ranked first in the list with its avg. revenue doubling avg. revenues of IBM, MSFT, HPQ. WDC, XRX and QCOM stood at the bottom with avg. revenues lower than \$30 billion during the period from 2013 to 2015.

Q2: How COGs of Energy and Health Care sector changed from 2013 to 2015 ?

COGs of Sub Sectors in Energy sector
(2013-2015)



COGs of Sub Sectors in Health Care sector
(2013-2015)



Here are box plots of COGs of Energy and Health Care sector from 2013 to 2015. In general, COGs in Energy are higher than COGs in Healthcare, and mean is higher than median in all years in each sector. Energy experienced a gradual decline from a range of \$ 460.3 billion in 2013 to \$271.1 billion in 2015. Meanwhile, Healthcare went through ups and downs in the sector's COGs with the highest range of \$342 billion in 2014. In Health care sector, there are some outlier sub-sectors that had much more COGs compared to the majority.