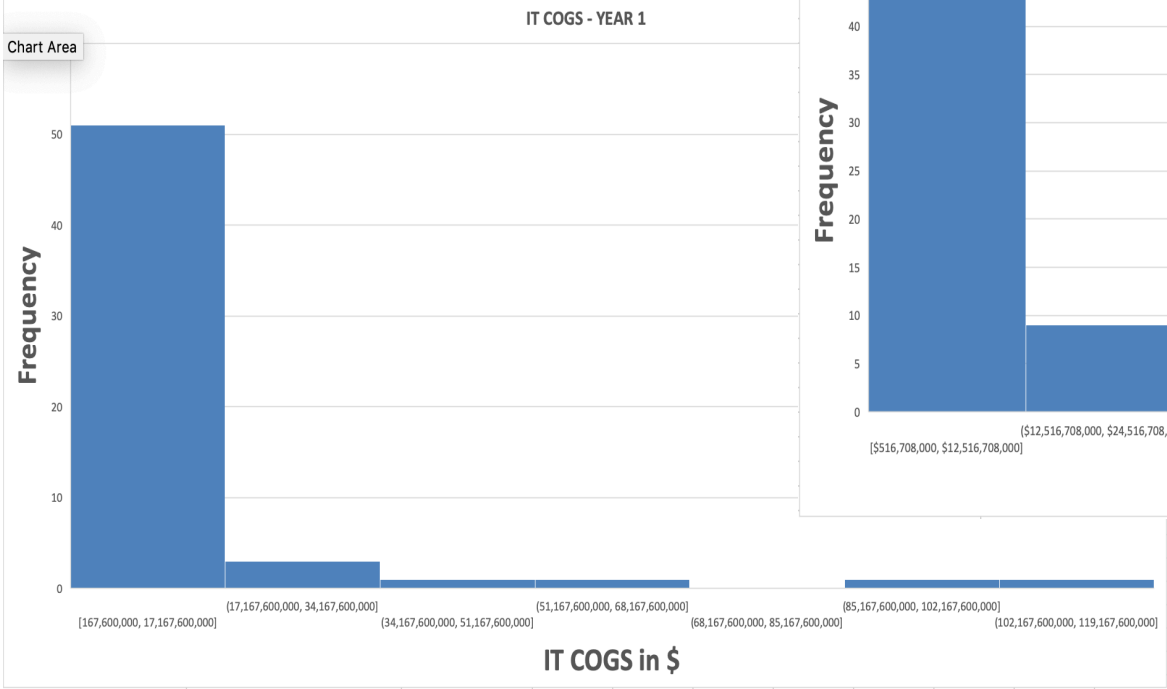


Q. How much does Cost of Goods spending vary in Year 1 across Information Technology vs. Industrial Sector?

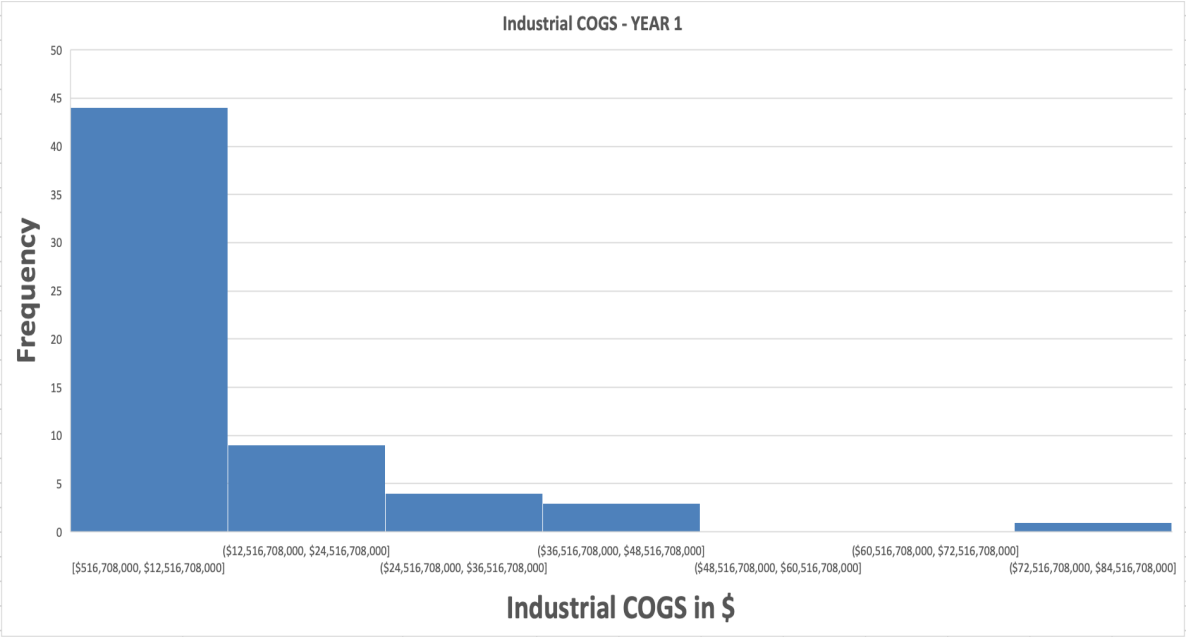
In this project we are analyzing historical financial data from S&P 500 companies. On slide 1, are the charts showing Cost Of Goods Sold in Information Technology Sector and Industrial Sector for Year 1 for all companies. This result was sorted in Descending order to derive these charts.

On slide 2, are the summary statistics along with the key findings.

Cost of Goods Spend



Information Technology



Industrials

Summary Statistics

Information Technology

MEDIAN - \$2,124,836,500

MEAN - \$8,428,871,707

RANGE - \$106,438,400,000

STD DEV - \$19,249,891,841

Industrial

MEDIAN - \$5,099,484,000

MEAN - \$10,668,098,836

RANGE - \$72,751,292,000

STD DEV - \$12,999,047,928

Summary:

- We can see in above summary statistics that for both the sectors mean is higher than median, however for IT the difference between 2 is much higher than Industrial Sector. As MEAN of Industrial sector (10 Billion) is higher than IT (8 Billion), this implies overall spend on COGS is higher for Industrial Sector than IT sector.
- The RANGE of COGS in IT sector is much wider than RANGE of Industrial sector (\$106 Billion vs \$ 72 Billion). Also, Standard deviation is closer to mean for Industrial sector which means for this sector COGS is uniform across all companies vs IT where COGS is high for only handful companies.
- As seen in the above Histogram, IT sector has an outlier in higher spend on COGS that leads to a higher standard deviation .