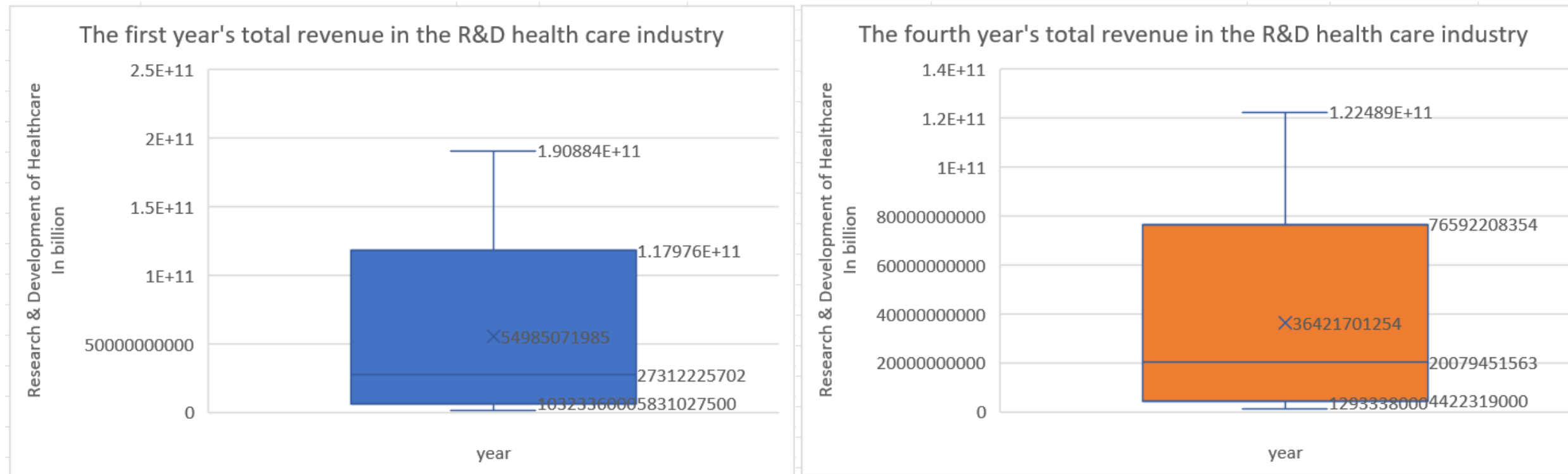


Project: Analyze NYSE Data

Presented by: Wiam

From the first to the fourth year, how health care research and development varied?

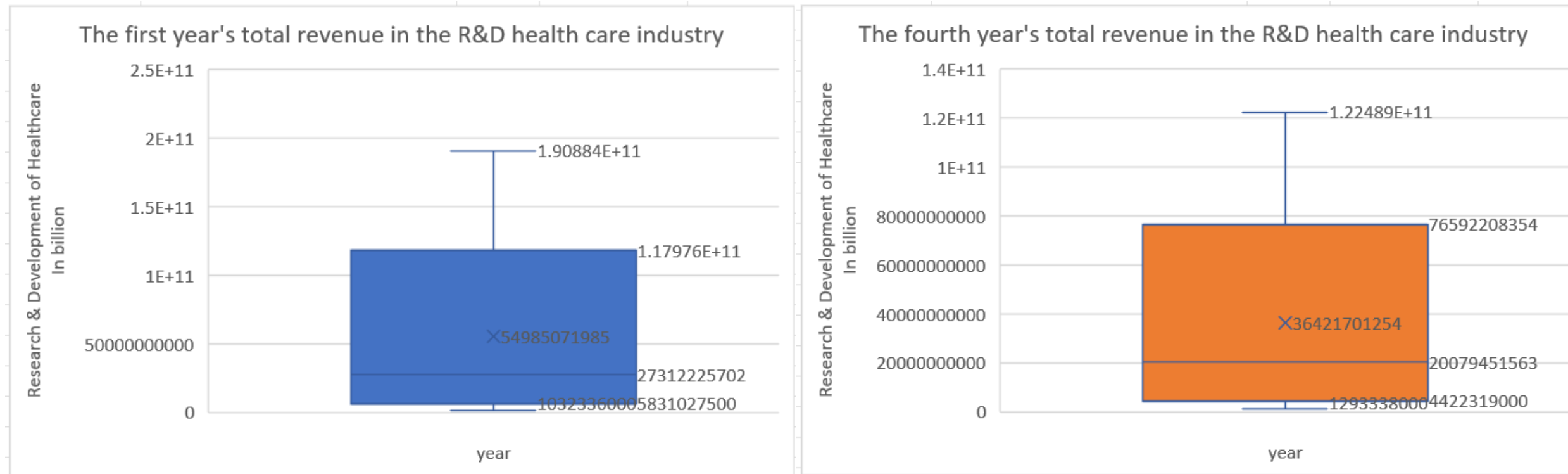


The first year and fourth year of research and development in the health care industry for all companies are represented by these two histograms.

The mean total revenue for companies categorized under the Health Care (\$20,079,451,562.5) in the first year was less than the mean total revenue for healthcare (\$27,312,225,702.13) in the fourth year. That indicates that companies are beginning to take health care seriously and are investing more money developing this industry.

In comparison to the median total revenue for all healthcare industries (\$10,629,719,000) in the fourth year, the median total revenue for companies in the health care industry (\$7,551,300,000) was lower in the first year.

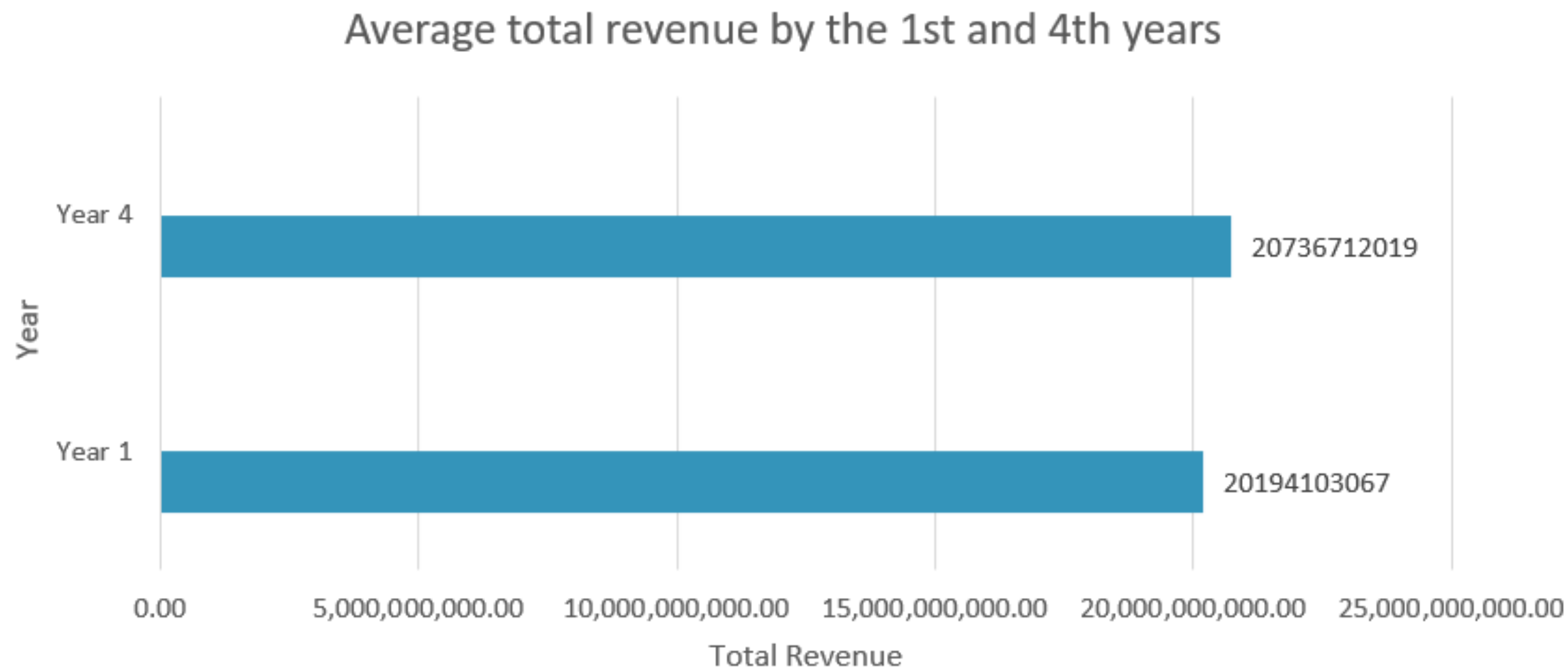
From the first to the fourth year, how health care research and development varied?



There's a higher variability of Total Revenues in the Health Care industry compared to others industries. The standard deviation of total revenue for companies under the Health Care (\$30,695,416,707.52) in first year was less compared to the total revenue for healthcare in the fourth year (\$45,067,079,223.47).

The range of total revenue for the health care sector is lower in the first year, at roughly \$1.2 billion, than in the fourth year, at \$1.9 billion. Because the range is wider, it appears that businesses in the healthcare industry have had greater variability in their total revenues through the years.

From the first to the fourth year, how has the the average of the total revenue altered?



The first to the fourth year saw an increase in revenue for the consumer discretionary industry. But there was little difference in the rise in revenue.

Profit and Loss Statement

Profit and Loss Statement of EBAY Company over 4 years

Profit and Loss Statement				
	Year 1	Year 2	Year 3	Year 4
Total Revenue	\$ 8,257,000,000.00	\$ 8,790,000,000.00	\$ 8,592,000,000.00	\$ 8,979,000,000.00
COGS	\$ 1,492,000,000.00	\$ 1,663,000,000.00	\$ 1,771,000,000.00	\$ 2,007,000,000.00
Gross Profit	\$ 6,765,000,000.00	\$ 7,127,000,000.00	\$ 6,821,000,000.00	\$ 6,972,000,000.00
Sales General And Administrative Expense	\$ 3,260,000,000.00	\$ 3,593,000,000.00	\$ 3,660,000,000.00	\$ 3,499,000,000.00
Research And Development	\$ 915,000,000.00	\$ 983,000,000.00	\$ 923,000,000.00	\$ 1,114,000,000.00
Other Operating Expense Items	\$ 136,000,000.00	\$ 75,000,000.00	\$ 41,000,000.00	\$ 34,000,000.00
Total Operating Expense	\$ 4,311,000,000.00	\$ 4,651,000,000.00	\$ 4,624,000,000.00	\$ 4,647,000,000.00
Operating Income	\$ 2,454,000,000.00	\$ 2,476,000,000.00	\$ 2,197,000,000.00	\$ 2,325,000,000.00

The profit and loss statement given above shows how the gross profit varies over the course of four years.

The gross profit increased by \$362 million in the second year, representing a 5.2% rise over the first. Gross profit decreased by 4.39% in the third year compared to the previous year. Gross profit increased by 2.19% on the fourth year. As a result, we can see that the second year had the highest gross profit of the four years.

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The EBAY company's operating profit has not been consistent over the years. The operation made a \$2.4 billion profit in its first year. Nevertheless, it increased to \$2.47 billion in the second year, which is \$22 million more than the first year. The third year totaled \$2.1 billion, \$279 million less than the prior year. The operating profit increased by \$128 million in the fourth year compared to the third.

Profit and Loss Statement Forecast

Profit and Loss Statement Forecast of EBAY Company for the two next years

Profit and Loss Statement for two next year						
	Forecast					
	Year 5			Year 6		
	Best Case	Base Case	Weak Case	Best Case	Base Case	Weak Case
Revenue	9,329,383,303	9,329,383,303	9,329,383,303	9,786,733,282	9,600,145,616	9,786,733,282
Gross Profit	7,557,894,448.36	7,557,894,448.36	7,557,894,448.36	8,026,268,893.52	7,777,243,671.73	8,026,268,893.52
Operating income	2,643,776,047.02	2,643,776,047.02	2,643,776,047.02	2,871,247,972.17	2,871,247,972.17	2,871,247,972.17
Revenue Growth (%)	3.90%	2.90%	1.90%	4.90%	3.90%	2.90%
Gross Margin	81.01%	80.01%	79.01%	82.01%	81.01%	80.01%
Operating Margin	28.34%	27.34%	26.34%	29.34%	28.34%	27.34%

The profit and loss statement forecast for EBAY Company for the next two years indicates rises in revenue growth, gross margin, and operating margin. In the best-case scenario, revenue growth is expected to rise by 3.9% and 4.9% in the fifth and sixth years. However, under the base case scenario, revenue growth is expected to be 2.9% and 3.9% in the fifth and sixth years, respectively. Revenue growth is estimated to be 1.9% and 2.9% in the fifth and sixth years, respectively, under the worst-case scenario.

In the best-case scenario, the gross margin will expand by 81% and 82% in the fifth and sixth years. However, in the base case scenario, the gross margin is expected to expand by 80% and 81% in the fifth and sixth years, respectively. In the worst-case scenario, revenue growth is expected to be 79% and 80% in the fifth and sixth years, respectively.

Profit and Loss Statement Forecast

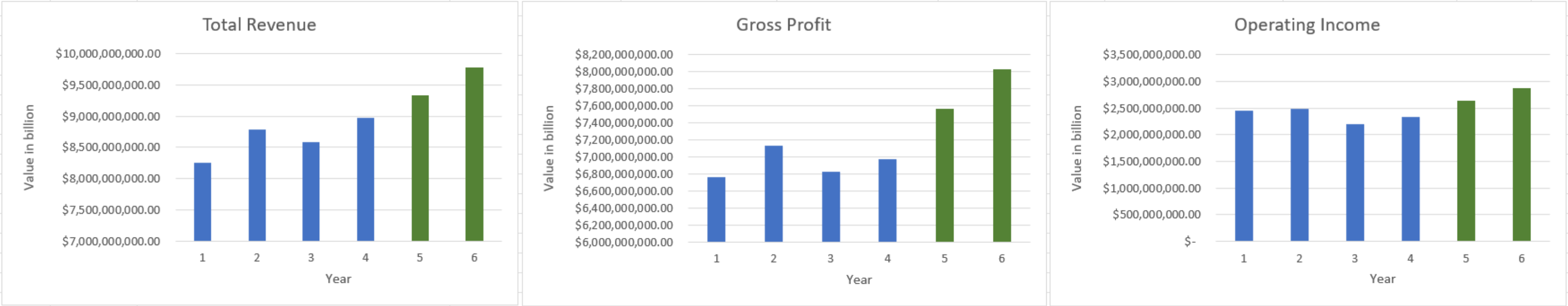
Profit and Loss Statement Forecast of EBAY Company for the two next years

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Operating Margin	28.34%	27.34%	26.34%	29.34%	28.34%	27.34%

In the best-case scenario, the operating margin is anticipated to rise by 28% and 29% in the fifth and sixth years, respectively. But in the base-case scenario, it is anticipated that the operating margin will rise by 27% and 28% in the fifth and sixth years, respectively. In the worst-case scenario, it is anticipated that the operating margin will rise by 26% and 27% in the fifth and sixth years, respectively.

Profit and Loss Statement Forecast

Profit and Loss Statement Forecast of EBAY Company for the two next years



In the above visualizations, we can observe that the EBAY company has seen growth in its total revenue, gross profit, and operating income. That means the EBAY company has become competitive in its sector.

