

# NY Stock Exchange

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Business Analysis

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## Business Question

What GICS Sector  
had the most  
significant changes in  
Gross Profit between  
2013 and 2016?



- ❖ The Energy GICS Sector witnessed significant transformations during the span from 2013 to 2016. These changes were predominantly linked to fluctuations in oil prices, geopolitical shifts, technological advancements, and alterations in energy policies, resulting in a substantial plunge in gross profit margins.
- ❖ Marked by an astonishing 40% drop in total revenue, the period between 2013 and 2016 also saw gross revenue dwindle from its peak of \$13.349 billion to a mere \$4.318 billion, creating a notable variance of \$9.031 billion between the initial year (2013) and the fourth year (2016).
- ❖ A probable influence on these severe disparities lies in the drastic escalation of overall operating expenses, peaking at \$30.163 billion when revenue hit its all-time low of \$6.383 billion in 2016, as contrasted with the \$16.428 billion recorded in the first year.

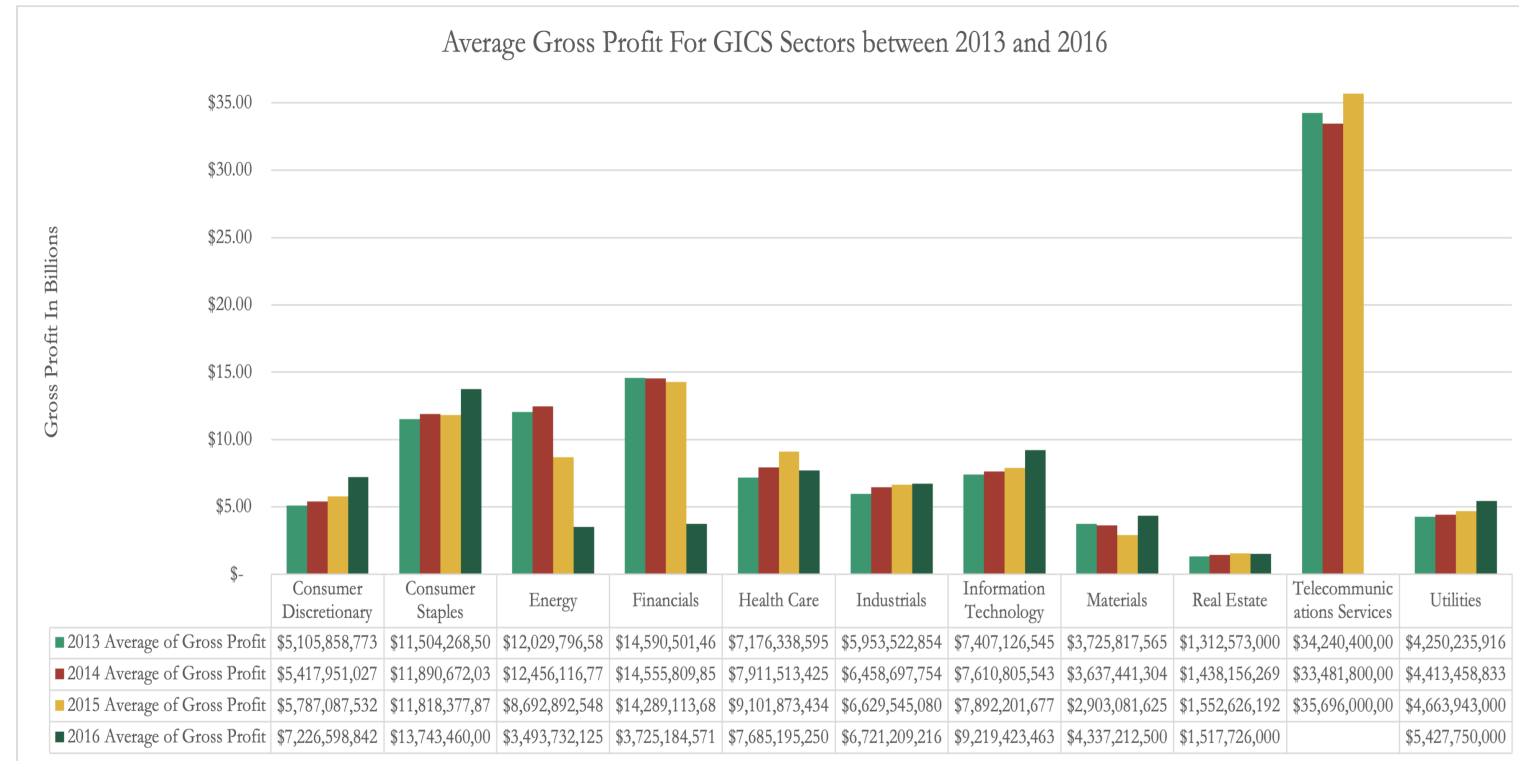
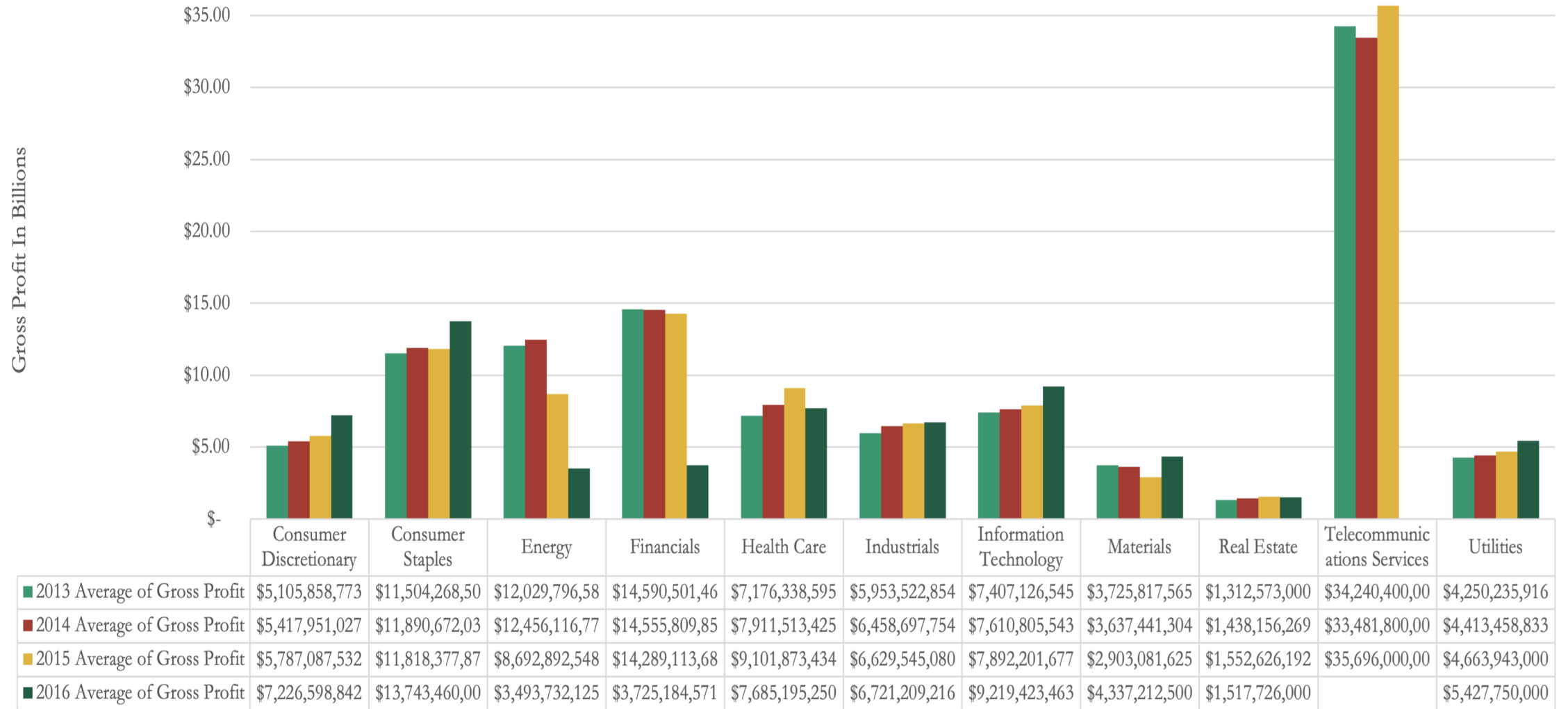


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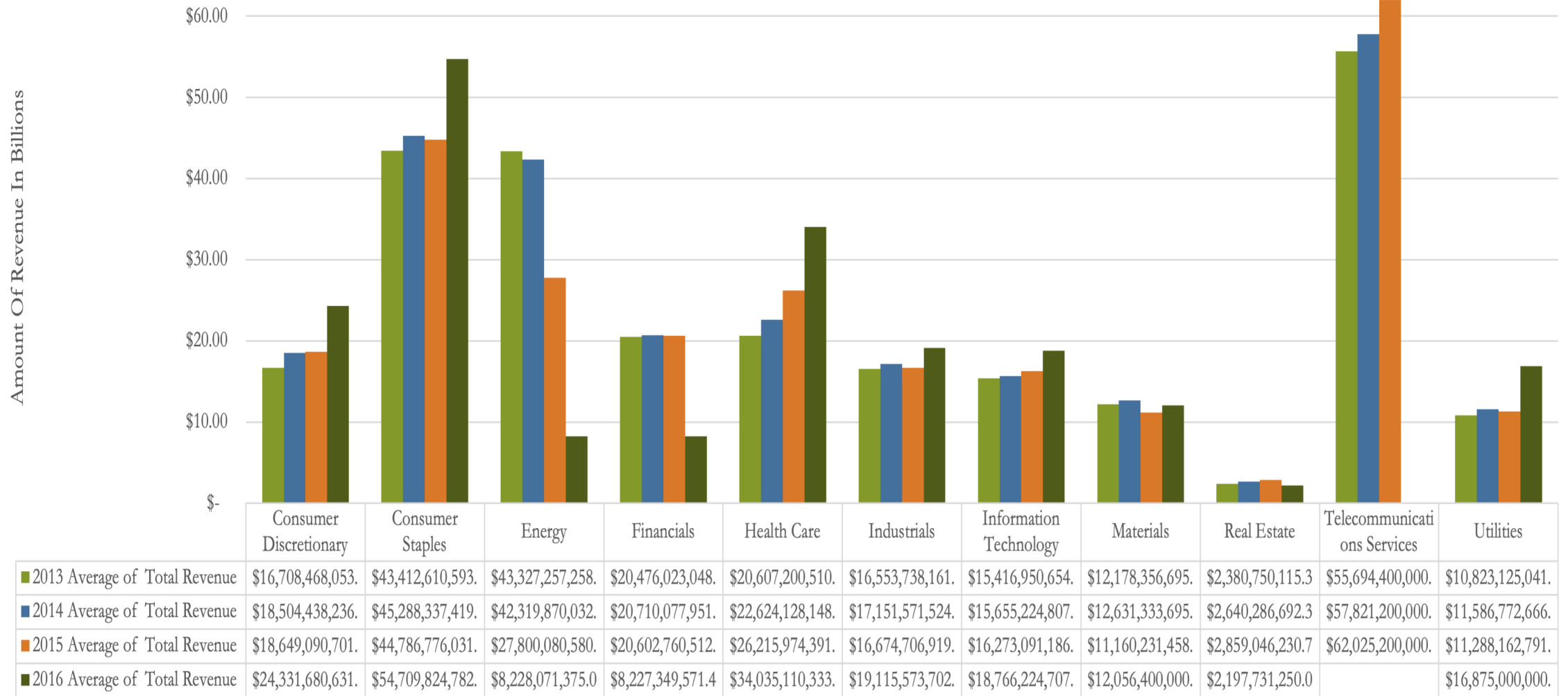
Average Gross Profit For GICS Sectors between 2013 and 2016



# Additional Visualizations

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Average Total Revenue for GICS Sectors between 2013 and 2016





GICS Sector	Energy				
	Historical				
	Year 1	Year 2	Year 3	Year 4	
Revenue	\$ 16,428,000,000.00	\$ 14,771,000,000.00	\$ 12,691,000,000.00	\$ 6,383,000,000.00	
COGS	\$ 3,079,000,000.00	\$ 2,938,000,000.00	\$ 2,511,000,000.00	\$ 2,065,000,000.00	
Gross Profit	\$ 13,349,000,000.00	\$ 11,833,000,000.00	\$ 10,180,000,000.00	\$ 4,318,000,000.00	
Sales, General and Admin.	\$ 1,333,000,000.00	\$ 1,286,000,000.00	\$ 1,095,000,000.00	\$ 791,000,000.00	
Other operating expenses	\$ 6,881,000,000.00	\$ 5,866,000,000.00	\$ 9,720,000,000.00	\$ 29,372,000,000.00	
Research and Development	\$-	\$-	\$-	\$-	
Total operating expenses	\$ 8,214,000,000.00	\$ 7,152,000,000.00	\$ 10,815,000,000.00	\$ 30,163,000,000.00	
Operating income/ EBIT	\$ 5,135,000,000.00	\$ 4,681,000,000.00	\$ (635,000,000.00)	\$ (25,845,000,000.00)	
Operating statistics					
	Historical				
Revenue growth (%)		-10.09%	-14.08%	-49.70%	
Gross margin	0.81	0.80	0.80	0.68	
Operating margin	0.31	0.32	-0.05	-4.05	
Measure of Center	Min	Max	Median	Average	Range
Total Revenue	\$ 6,383,000,000.00	\$ 16,428,000,000.00	\$ 13,731,000,000.00	\$ 12,568,250,000.00	\$ 10,045,000,000.00
COGs	\$ 2,065,000,000.00	\$ 3,079,000,000.00	\$ 2,724,500,000.00	\$ 2,648,250,000.00	\$ 1,014,000,000.00
Gross Profit	\$ 4,318,000,000.00	\$ 13,349,000,000.00	\$ 11,006,500,000.00	\$ 9,920,000,000.00	\$ 9,031,000,000.00
Total Operating Expenses	\$ 7,152,000,000.00	\$ 30,163,000,000.00	\$ 9,514,500,000.00	\$ 14,086,000,000.00	\$ 23,011,000,000.00
Operating income/ EBIT	\$ (25,845,000,000.00)	\$ 5,135,000,000.00	\$ 2,023,000,000.00	\$ (4,166,000,000.00)	\$ 30,980,000,000.00
Revenue growth (%)	-49.70%	-10.09%	-14.08%	-24.62%	40%
Gross margin	0.676	0.813	0.802	0.773	0.136
Operating margin	-4.049	0.317	0.131	-0.867	4.366

# Resources Used

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- Cox, A. (2022, December 23). *Business Analysis for Dummies*. For Dummies.
- *Profit and Loss Statement (P&L)*. (n.d.). Corporate Finance Institute.  
<https://corporatefinanceinstitute.com/resources/accounting/profit-and-loss-statement-pl/>
- *Income Statement Projection Guide*. (2020, April 19). Wall Street Prep.  
<https://www.wallstreetprep.com/knowledge/income-statement-forecasting/>