



DS 2023
Midterm Project


Market Sustainability

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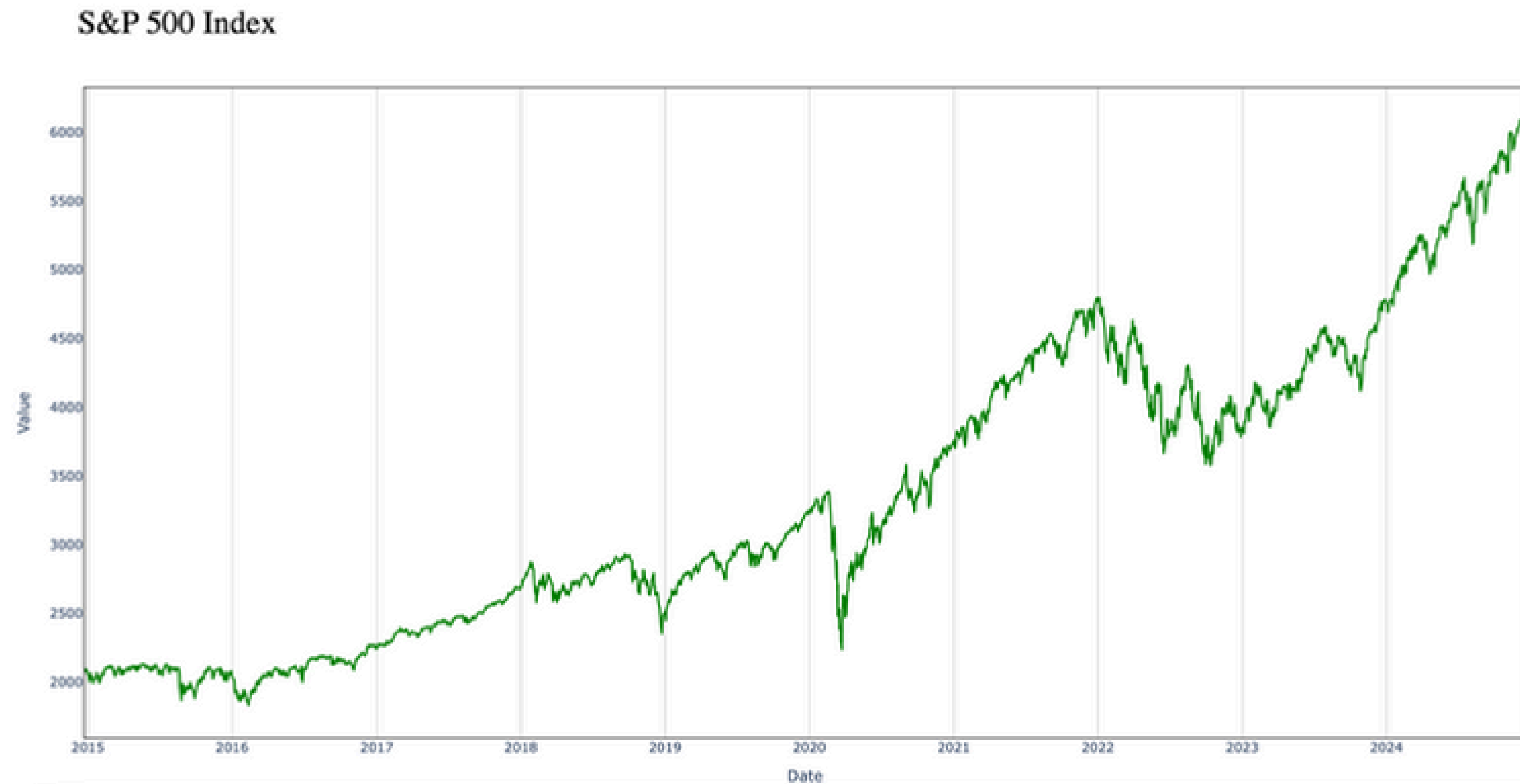
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S&P 500

Index Fund Performance since 2015.



ESG

A common metric to evaluate business practices.



Pillars of ESG

Environmental



Social



Governance

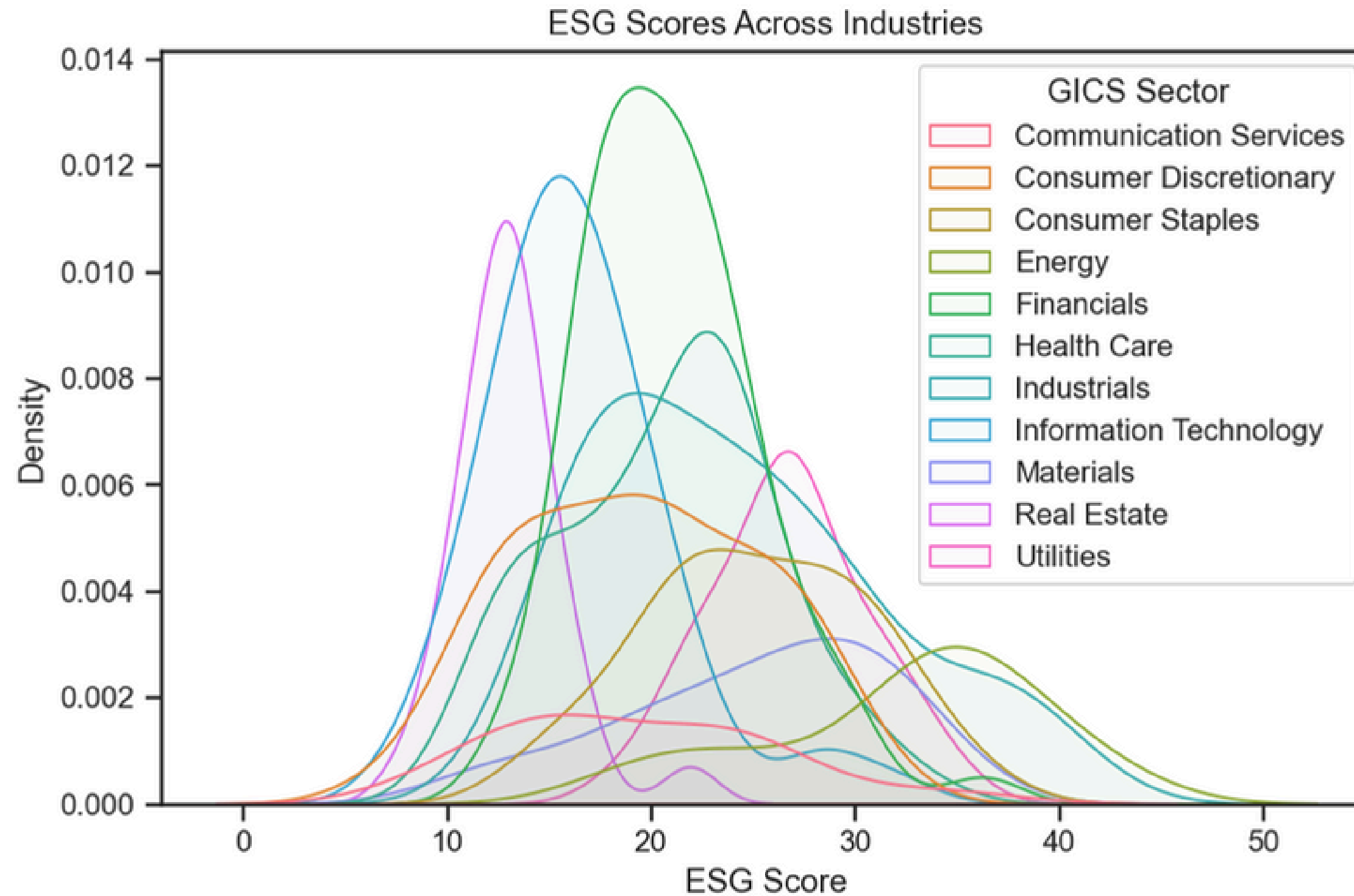


Question 1

How do ESG Scores vary across different industries?

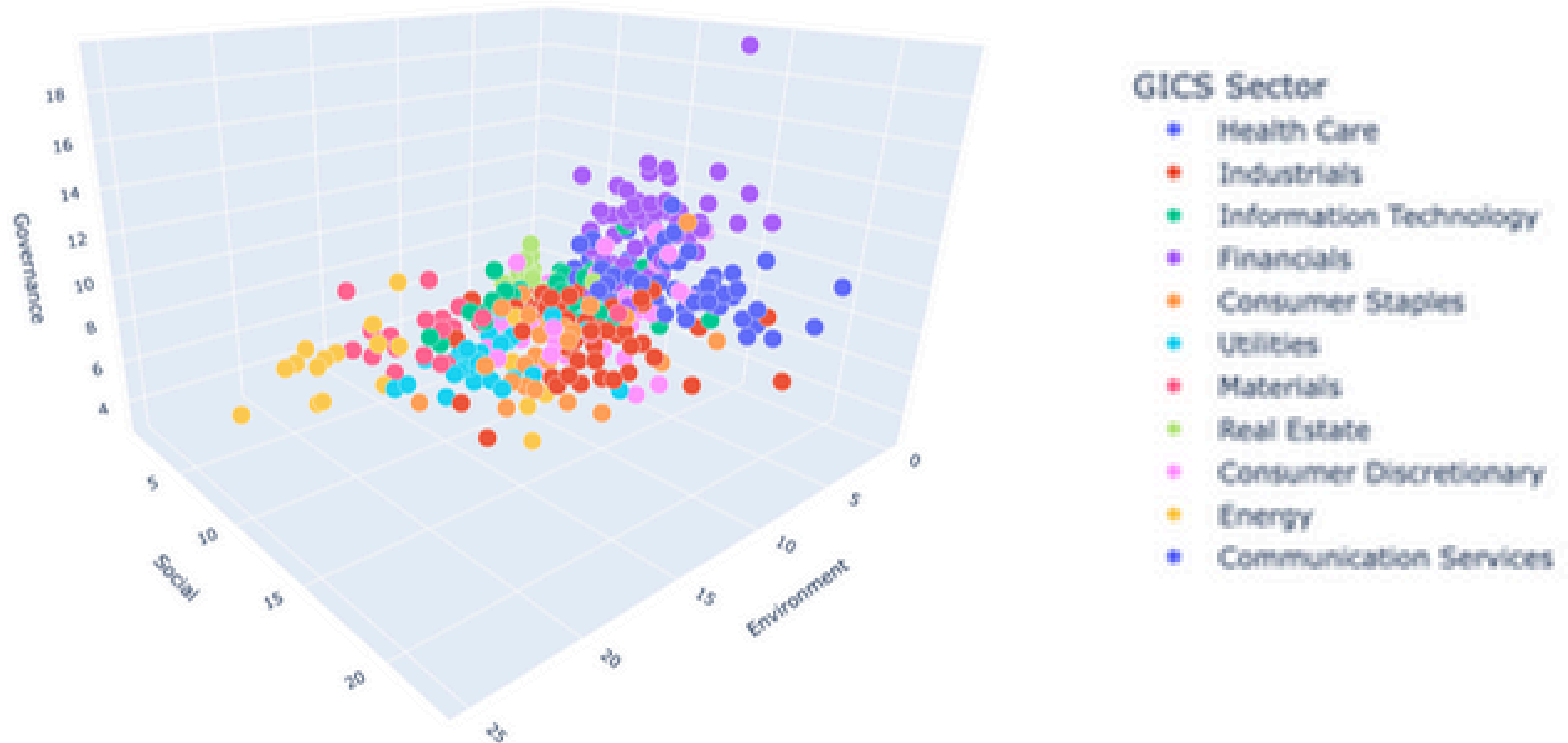
ESG By Industry

Comparing ESG Scores of S&P 500 Companies Across GICS Sectors











Pillars of ESG

Visualizing the “Three Pillars of ESG” for S&P 500 Companies



The Magnificent Seven

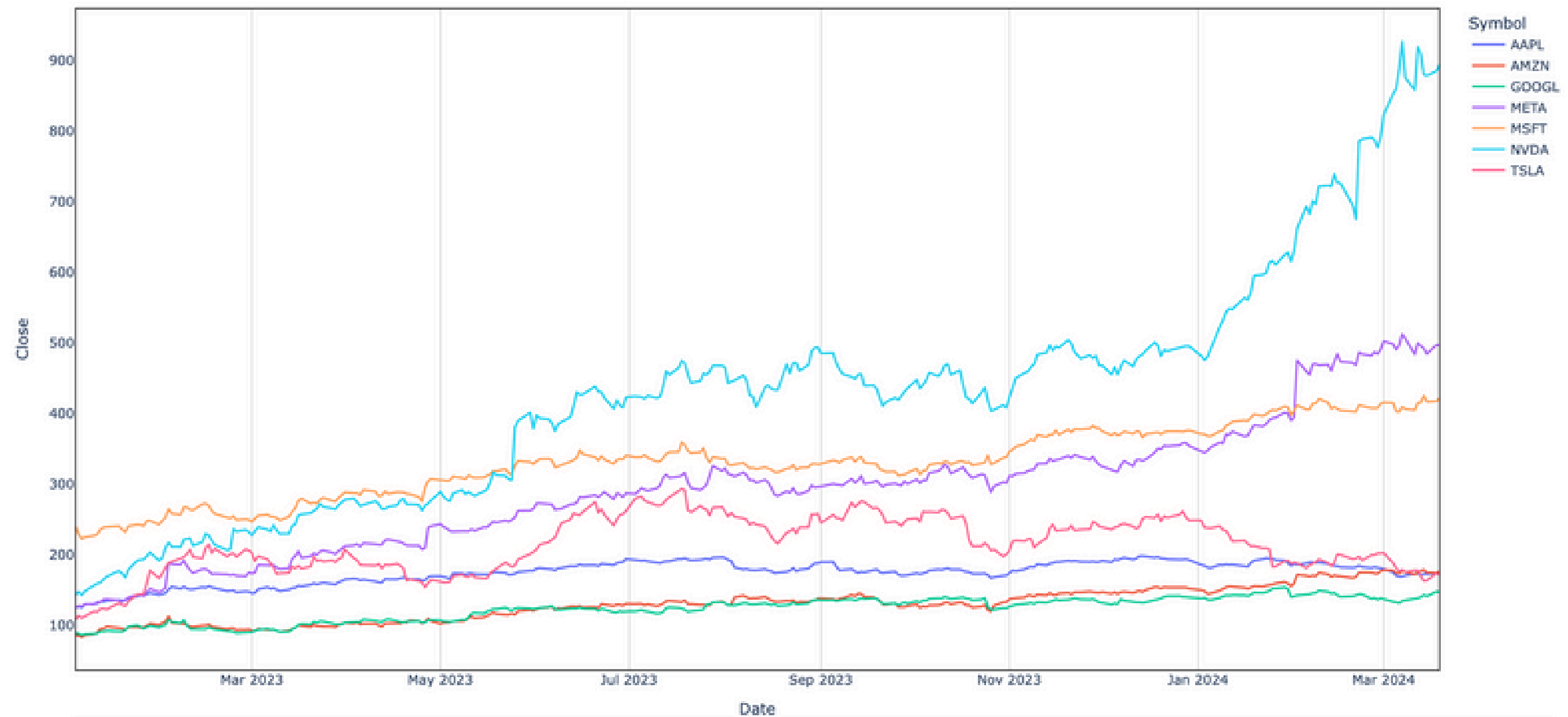
The leading companies in the technology industry and some of the highest performing stocks in the world.

AAPL	 Apple	MSFT	 Microsoft
AMZN	 amazon	NVDA	 NVIDIA
GOOGL	 Google	TSLA	 TESLA
META	 Meta		 MAGNIFICENT 7

Magnificent 7 Growth

Mag 7 Stock Performances since 2023

Magnificent Seven Stock Performance



Market Value

How much were the Magnificent Seven companies worth in 2024?

35%

S&P 500

61%

United States GDP

15%

Global GDP

\$17.3

Trillion

Total Value In December 2024.

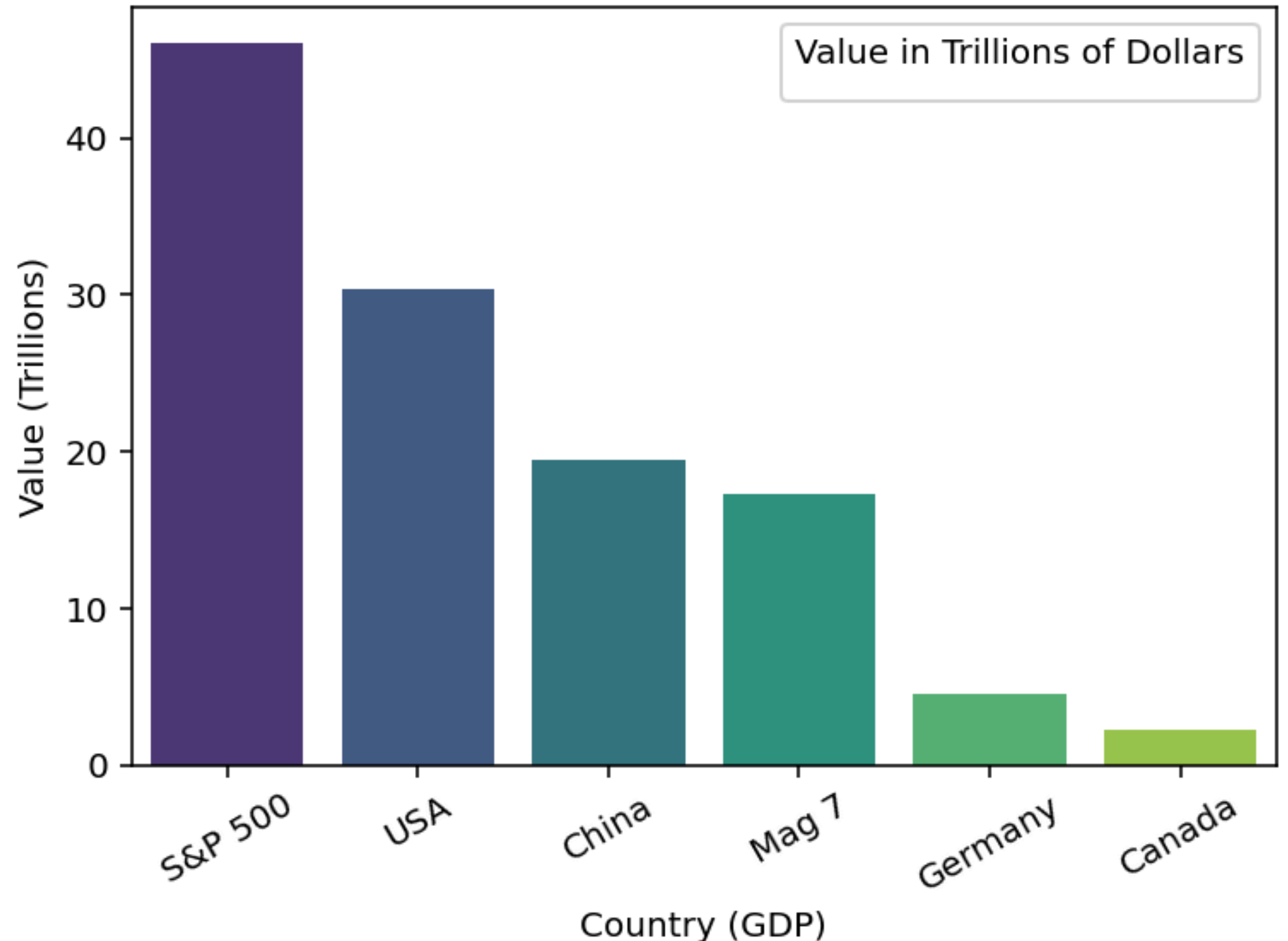
A Lot of Money...

Put Into Perspective

Value of The Mag Seven

- *Fund NASA for 600 + Years*
- *Purchase the world's whole gold supply*
- *Provide universal healthcare in the US for 5+ years*
- *Eradicate world hunger for 500+ years*

GDP Compared to Market Value

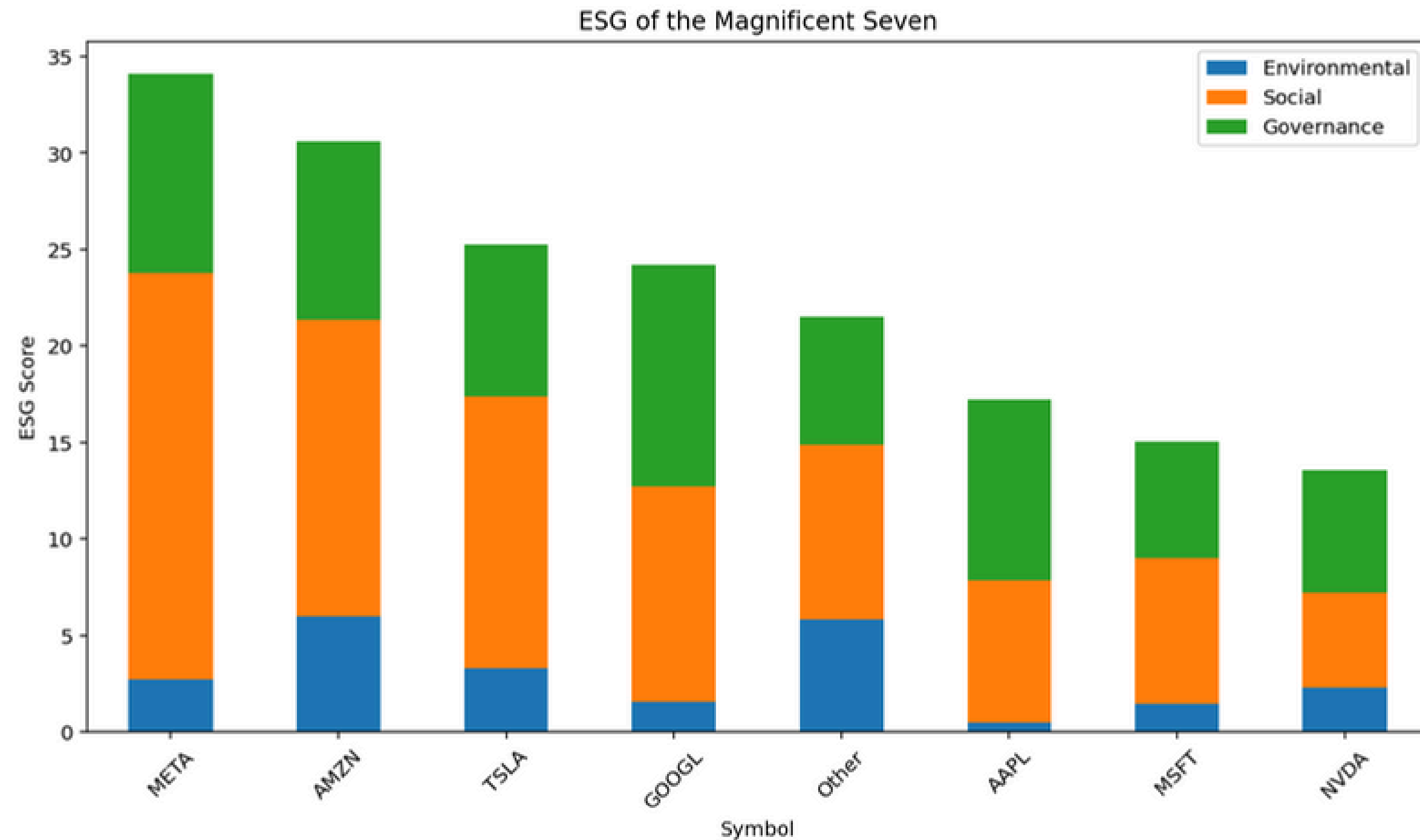


Question 2

How do ESG scores of Magnificent Seven Companies compare to the aggregate ESG scores of other S&P 500 Companies?

Magnificent 7 ESG Scores

ESG Scores for Magnificent 7 Companies

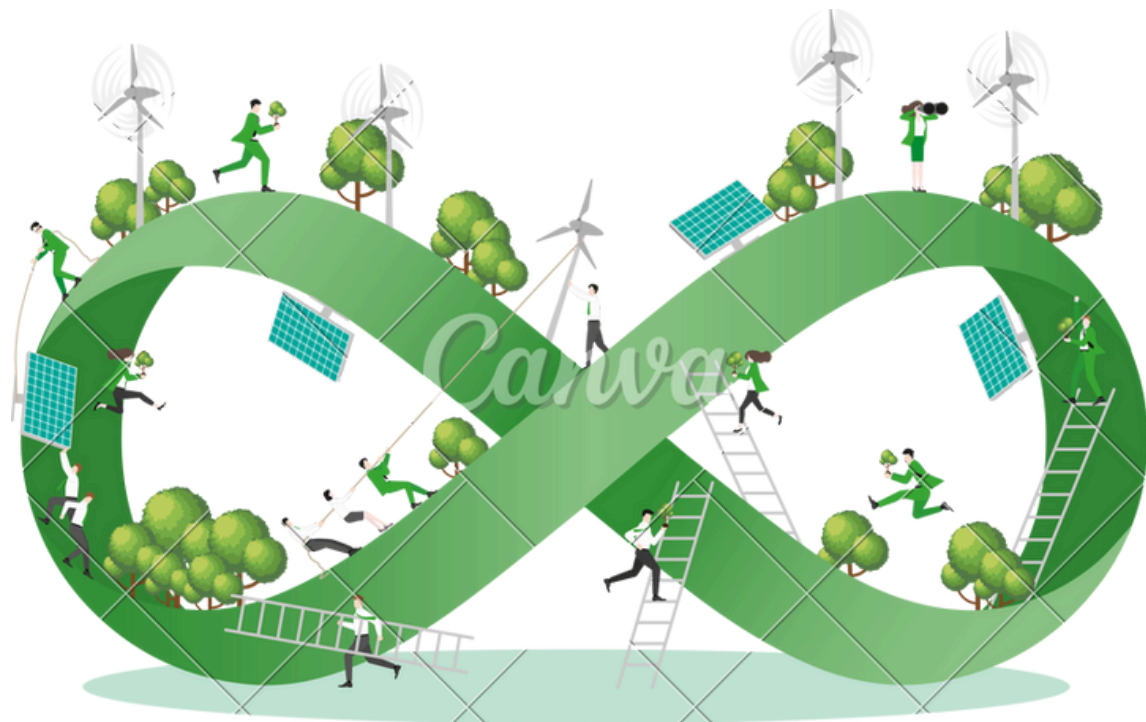


Magnificent 7 ESG Scores

ESG Scores for Magnificent 7 Companies

	environmentScore	socialScore	governanceScore	totalEsg
Symbol				
META	2.710000	21.090000	10.29000	34.080000
AMZN	6.000000	15.390000	9.22000	30.610000
TSLA	3.310000	14.080000	7.85000	25.230000
GOOGL	1.560000	11.160000	11.51000	24.220000
Other	5.838496	9.027828	6.66821	21.534391
AAPL	0.460000	7.390000	9.37000	17.220000
MSFT	1.460000	7.530000	6.07000	15.060000
NVDA	2.300000	4.950000	6.34000	13.590000

Invest in Sustainability



- ◆ Companies with low ESG scores pose risks as long-term investments.
- ◆ Support companies that contribute positively to society and the planet.
- ◆ Restructure businesses to have sustainable environmental practices.
- ◆ Increase transparency and accountability of business practices.

Sources

- 1 <https://www.forbesindia.com/article/explainers/top-10-largest-economies-in-the-world/86159/1>
- 2 https://www.imf.org/external/datamapper/NGDP_RPCH@WEO/OEMDC/ADVEC/WEOWORLD
- 3 <https://www.voronoiaapp.com/markets/-Magnificent-Seven-Market-Capitalization>Returns-to-Pre-Election-Trend-3004>
- 4 <https://www.kaggle.com/datasets/rikinzala/s-and-p-500-esg-and-stocks-data-2023-24/data>
- 5 <https://www.kaggle.com/datasets/princeiornongu/stocks-tech-ai-and-magnificent-seven?resource=download>
- 6 https://www.kaggle.com/datasets/andrewmvd/sp-500-stocks?select=sp500_index.csv