

# Global 500 companies

Rok Zupan  
February 2023

# Intro

I completed tasks through my analysis. This presentation will give you a small overview of the data in this dataset, but will not provide a data analysis with a complete story.

# Top 3 companies with the highest market value

```
-- #Task1: Find top 3 companies with highest marketvalue  
SELECT name, marketvalue  
FROM global500companies  
ORDER BY marketvalue DESC  
LIMIT 3;
```

	name	marketvalue
▶	Apple	2252300000000
	Microsoft	1966600000000
	Saudi Arabian Oil Company (Saudi Aramco)	1897200000000

## 5 countries with highest average profit countries

```
-- #Task2: Which 5 countries had most profitable companies on average
SELECT AVG(profit) AS averageprofit, country
FROM global500companies
GROUP BY country
ORDER BY averageprofit DESC
LIMIT 5;
```

	averageprofit	country
►	9782700000.0000	Saudi Arabia
	9700000000.0000	Luxembourg
	6389367647.0588	China
	5860000000.0000	Taiwan
	5373428235.2941	United States

## Average sales, profit, assets of all companies

```
-- #Task4: Find the average sales, profit, and assets of all companies.  
SELECT AVG(profit) AS averageprofit,  
AVG(sales) AS averagesales, AVG(assets) AS averageassets  
FROM global500companies;
```

	averageprofit	averagesales	averageassets
▶	4173743000.0000	49794600000.0000	322928000000.0000

# Find the average market value for each country

-- Task7: Find the average market value for each country.

```
SELECT AVG(marketvalue), country
FROM global500companies
GROUP BY country;
```

	AVG(marketvalue)	country
▶	77870588235.2941	China
	166890000000.0000	United States
	368350000000.0000	Saudi Arabia
	62106666666.6667	South Korea
	49232558139.5349	Japan
	71310526315.7895	Germany
	76795652173.9130	France
	49554545454.5455	Hong Kong
	57211764705.8824	Canada
	110490909090.9091	Switzerland
	64576190476.1905	United Kingdom
	59850000000.0000	Russia
	81766666666.6667	India
	135740000000.0000	Taiwan
	43900000000.0000	Italy
	74336363636.3636	Australia
	135300000000.0000	Luxembourg
	56000000000.0000	Spain
	51400000000.0000	Brazil

# Companies with profit margin over 50%

```
-- Task8: Retrieve the name and country of companies with a profit margin (profit/sales) greater than 50%.  
SELECT name, country  
FROM global500companies  
WHERE (profit/sales) > 0.5;
```

	name	country
▶	Investor AB	Sweden
	Kweichow Moutai	China
	eBay	United States

# Companies that have assets > avg assets

-- Task10: Retrieve the names and countries of companies that have assets greater than the average assets.

```
WITH cte AS (  
    SELECT AVG(assets) AS avg_assets  
    FROM global500companies  
)  
SELECT name, country  
FROM global500companies  
WHERE assets > (SELECT avg_assets FROM cte);
```

Not a complete list

	name	country
▶	ICBC	China
	JPMorgan Chase	United States
	Berkshire Hathaway	United States
	China Construction Bank	China
	Saudi Arabian Oil Company (Saudi Aramco)	Saudi Arabia
	Apple	United States



# Best performance countries

🔑 `/* Task11: Create a new column called "Performance" which is calculated as (profit/sales)*100 and retrieve the names of the top 5 companies with the highest performance. */`

```
ALTER TABLE global500companies
```

```
ADD Performance bigint;
```

```
UPDATE global500companies
```

```
SET Performance = (profit / sales) * 100;
```

```
SELECT name
```

```
FROM global500companies
```

```
ORDER BY performance DESC
```

```
LIMIT 5;
```

	name
	Investor AB
	Kweichow Moutai
▶	eBay
	Al Rajhi Bank
	PNC Financial Services

# Averages and sums

-- Task16: Calculate the sum, average, minimum, and maximum of sales, profit, assets, and market value for all companies.

```
SELECT SUM(sales) total_sales, AVG(sales) avg_sales, MIN(sales) min_sales, MAX(sales) max_sales,  
       SUM(profit) total_profit, AVG(profit) avg_profit, MIN(profit) min_profit, MAX(profit) max_profit,  
       SUM(assets) total_assets, AVG(assets) avg_assets, MIN(assets) min_assets, MAX(assets) max_assets,  
       SUM(marketvalue) total_marketvalue, AVG(marketvalue) avg_marketvalue, MIN(marketvalue) min_marketvalue, MAX(marketvalue) max_marketvalue  
FROM global500companies;
```

# Countries with 10< companies

```
-- Task19: Find the countries that have more than 10 companies in the global500companies table.  
SELECT country, COUNT(*)  
FROM global500companies  
GROUP BY country  
HAVING COUNT(*) > 10;
```

	country	COUNT(*)
►	China	68
	United States	170
	South Korea	15
	Japan	43
	Germany	19

Result 19 ...

# Average sales more than \$100 billions

```
-- Task20: Find the countries with an average sales of more than $100 billion.  
SELECT country, AVG(sales)  
FROM global500companies  
GROUP BY country  
HAVING AVG(sales) > 100000000000;
```

Result Grid			Filter Rows:
	country	AVG(sales)	
▶	China	61764705882.3529	
	United States	55058235294.1176	
	Saudi Arabia	51200000000.0000	
	South Korea	47126666666.6667	
	Japan	48460465116.2791	

# Conclusion

Through this analysis I practice SQL queries with different statements.