

# ANALYSING UNICORN COMPANIES – SQL PROJECT

# PROJECT OVERVIEW

- THIS PROJECT INVOLVES ANALYZING A DATASET OF UNICORN COMPANIES, WHICH ARE PRIVATELY HELD.
- COMPANIES VALUED AT OVER \$1 BILLION AS OF NOVEMBER 2021. THE PROJECT WILL INCLUDE DATA CREATION ANALYSIS USING SQL, AND ANSWERING SPECIFIC QUESTIONS ABOUT THE DATASET.

# CREATING DATABASE AND TABLES

```
create database unicorn_companies;
use unicorn_companies;
CREATE TABLE unicorns (
    id INT AUTO_INCREMENT PRIMARY KEY,
    company VARCHAR(255),
    country VARCHAR(255),
    sector VARCHAR(255),
    valuation DECIMAL(10 , 2 ),
    found_year INT,
    investors TEXT
```

# TOP 3 COUNTRIES BY NUMBER OF UNICORNS

## Query

- SELECT
- COUNTRY,  
    COUNT(COUNTRY) AS  
    UCOUNT
- FROM
- UNICORNS
- GROUP BY COUNTRY
- ORDER BY UCOUNT  
DESC
- LIMIT 3;



## Result

'United States','17'  
'China','2'  
'Sweden','2'

# UNICORNS FOUNDED AFTER 2010

## Query

- SELECT DISTINCT
- (COMPANY),  
COUNTRY, FOUND\_YEAR
- FROM
- UNICORNS
- WHERE
- FOUND\_YEAR > 2010;



## Result

'ByteDance','China','2012'  
'Robinhood','United States','2013'  
'Nuro','United States','2016'  
'DoorDash','United States','2013'  
'Databricks','United States','2013'

# TOTAL VALUATION OF UNICORNS IN THE FINTECH SECTOR

## Query

- SELECT
- SECTOR,  
SUM(VALUATION) AS  
TOTAL\_VALUATION
- FROM
- UNICORNS
- WHERE
- SECTOR = 'FINTECH'
- GROUP BY SECTOR;



## Result

'FinTech','263.00'

# MOST COMMON INVESTORS

## Query

```
• SELECT  
•     INVESTORS,  
    COUNT(*) AS  
    INVESTOR_COUNT  
• FROM  
•     UNICORNS  
• GROUP BY INVESTORS  
• ORDER BY  
    INVESTOR_COUNT  
DESC;f
```



## Result

- 'Fidelity, Founders Fund, Baillie Gifford','2'
- 'Sequoia Capital China, General Atlantic','2'
- 'Accel, CapitalG, Sequoia Capital','2'
- 'Sequoia Capital, Silver Lake, Dragoneer','2'
- 'Sequoia Capital, Andreessen Horowitz, Silver Lake','2'
- 'Index Ventures, NEA, Ribbit Capital','2'
- 'Greylock Partners, SoftBank Vision Fund, Lightspeed Venture Partners','2'
- 'Sequoia Capital, SoftBank Vision Fund, Coatue Management','2'
- 'Founders Fund, Peter Thiel, In-Q-Tel','2'
- 'Andreessen Horowitz, Microsoft, Coatue Management','2'
- 'Sequoia Capital, Andreessen Horowitz, Baillie Gifford','1'

**IDENTIFY TRENDS: EXPLORE TRENDS IN THE DATA, SUCH AS THE GROWTH OF UNICORNS IN SPECIFIC SECTORS OR COUNTRIES.**

### **Query**

- SELECT
- COUNTRY, FOUND\_YEAR, COUNT(\*)
- FROM
- UNICORNS
- GROUP BY COUNTRY , FOUND\_YEAR
- ORDER BY COUNTRY , FOUND\_YEAR;



### **Result**

- 'Aerospace','2002','2'
- 'Artificial Intelligence','2012','2'
- 'Autonomous Vehicles','2016','2'
- 'Big Data','2013','2'
- 'FinTech','2005','2'
- 'FinTech','2010','1'
- 'FinTech','2013','2'
- 'Food Delivery','2013','2'
- 'Robotics','2005','2'
- 'Software','2003','2'
- 'Travel & Hospitality','2008','2'

# INVESTOR ANALYSIS: WHICH INVESTORS HAVE THE MOST UNICORNS IN THEIR PORTFOLIO

## Query

- SELECT
- INVESTORS,  
COUNT(\*) AS  
TI\_COUNT
- FROM
- UNICORNS
- GROUP BY INVESTORS
- HAVING COUNT(\*) >  
1
- ORDER BY TI\_COUNT  
DESC;F



## Result

'Fidelity, Founders Fund, Baillie Gifford','2'  
'Sequoia Capital China, General Atlantic','2'  
'Accel, CapitalG, Sequoia Capital','2'  
'Sequoia Capital, Silver Lake, Dragoneer','2'  
'Sequoia Capital, Andreessen Horowitz, Silver  
Lake','2'  
'Index Ventures, NEA, Ribbit Capital','2'  
'Greylock Partners, SoftBank Vision Fund,  
Lightspeed Venture Partners','2'  
'Sequoia Capital, SoftBank Vision Fund, Coatue  
Management','2'  
'Founders Fund, Peter Thiel, In-Q-Tel','2'  
'Andreessen Horowitz, Microsoft, Coatue  
Management','2'

# GROWTH ANALYSIS: COMPARE VALUATIONS OF COMPANIES FOUNDED IN DIFFERENT DECADES TO UNDERSTAND GROWTH TRENDS.

## Query

```
SELECT
```

```
FLOOR(FOUND_YEAR  
/ 10) * 10 AS  
DECADE,
```

```
    AVG(VALUATION)  
AS AVG_VALUATION  
FROM
```

```
    UNICORNS
```

```
GROUP BY DECADE  
ORDER BY DECADE;
```



## Result

```
'2000','60.46000'  
'2010','64.018182'
```