

Unicorn Companies

Covers unicorn companies, or companies with a valuation of at least 1 billion USD, as of March 2022

Single table, 1074 rows, 10 columns

Downloaded from <https://mavenanalytics.io/data-playground>

Sourced from CB Insights & Crunchbase

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-- 1.) Which unicorn companies have had the biggest return on investment?

```
SELECT company, Valuation_as_Number, Funding_as_Number,
       ROUND(
         CAST(
           ((Valuation_as_Number - Funding_as_Number)/Funding_as_Number)
         AS NUMERIC)
       , 2) AS ROI
FROM unicorn_companies.companies
WHERE MONEY(0) < Funding_as_Number
GROUP BY Company, Valuation_as_Number, Funding_as_Number
ORDER BY ROI DESC
LIMIT 10
;
```

-- 2.) How long does it usually take for a company to become a unicorn? Has it always been this way?

/* According to the original file, the "join year" for the company Yidian Zixun is BEFORE the founding year,

and this doesn't make sense because a company should have been founded FIRST before establishing any valuation.

However, according to Crunchbase, Yidian Zixun was founded in 2013, and the last round of funding for the company was

on November 14, 2017 as part of a Series E round (source = <https://www.crunchbase.com/organization/yidian-zixun>).

There may have been an error when recording data, or there may have been some technicality that would've placed

the company's "join year" before the founding year, like a corporate restructuring. However, in order for the math to

make sense, this company was excluded from the aggregation. */

```
SELECT ROUND(CAST(AVG(DATE_PART('year', date_joined) - year_founded) AS NUMERIC), 2) AS  
"AvgYearsToUnicornStatusForAllYears"
```

```
FROM unicorn_companies.companies
```

```
WHERE company != 'Yidian Zixun'
```

```
;
```

```
SELECT year_founded, ROUND(CAST(AVG(DATE_PART('year', date_joined) - year_founded) AS NUMERIC),  
2) AS "AvgYearsToUnicornStatusForGivenYear"
```

```
FROM unicorn_companies.companies
```

```
WHERE company != 'Yidian Zixun'
```

```
GROUP BY year_founded
```

```
ORDER BY year_founded ASC
```

```
;
```

-- 3.) Which countries have the most unicorns? Are there any cities that appear to be industry hubs?

```
SELECT country, COUNT(company) AS "NumberOfUnicorns"
```

```
FROM unicorn_companies.companies
```

```
GROUP BY country
```

```
ORDER BY "NumberOfUnicorns" DESC
```

```
LIMIT 10
```

```
;
```

```
SELECT city, industry, COUNT(company) AS "NumberOfUnicorns"
FROM unicorn_companies.companies
GROUP BY city, industry
ORDER BY "NumberOfUnicorns" DESC
LIMIT 10;
```

-- 4.) Which investors have funded the most unicorns?

-- Using a common table expression (CTE)

```
WITH stacked_sel_inv AS
(
    SELECT TRIM(SPLIT_PART(select_investors, ',', 1)) AS selected_investors
    FROM unicorn_companies.companies
    UNION ALL
    SELECT TRIM(SPLIT_PART(select_investors, ',', 2)) AS selected_investors
    FROM unicorn_companies.companies
    UNION ALL
    SELECT TRIM(SPLIT_PART(select_investors, ',', 3)) AS selected_investors
    FROM unicorn_companies.companies
    UNION ALL
    SELECT TRIM(SPLIT_PART(select_investors, ',', 4)) AS selected_investors
    FROM unicorn_companies.companies
)
SELECT selected_investors,
       COUNT(selected_investors) AS count_of_selected_investors
FROM stacked_sel_inv
WHERE selected_investors != ''
GROUP BY selected_investors
```

```
ORDER BY count_of_selected_investors DESC
```

```
LIMIT 10;
```

```
-- Using a subquery
```

```
SELECT selected_investors,
```

```
    COUNT(selected_investors) AS count_of_selected_investors
```

```
FROM (
```

```
    SELECT TRIM(SPLIT_PART(select_investors, ',', 1)) AS selected_investors
```

```
    FROM unicorn_companies.companies
```

```
    UNION ALL
```

```
    SELECT TRIM(SPLIT_PART(select_investors, ',', 2)) AS selected_investors
```

```
    FROM unicorn_companies.companies
```

```
    UNION ALL
```

```
    SELECT TRIM(SPLIT_PART(select_investors, ',', 3)) AS selected_investors
```

```
    FROM unicorn_companies.companies
```

```
    UNION ALL
```

```
    SELECT TRIM(SPLIT_PART(select_investors, ',', 4)) AS selected_investors
```

```
    FROM unicorn_companies.companies
```

```
) AS stacked_sel_inv
```

```
WHERE selected_investors != ''
```

```
GROUP BY selected_investors
```

```
ORDER BY count_of_selected_investors DESC
```

```
LIMIT 10;
```