1. For different category of acquirers, what is the average number of months since the inception of the acquired company after which they are acquired.

SELECT

acquisitions.acquirer\_category\_code,

ROUND(AVG((CAST(acquisitions.acquired\_at\_cleaned AS DATE)-

CAST(companies.founded\_at\_clean AS DATE))/30)) AS Average\_months

FROM

tutorial.crunchbase\_acquisitions\_clean\_date AS acquisitions

LEFT JOIN

tutorial.crunchbase\_companies\_clean\_date AS companies

ON

acquisitions.company\_permalink=

companies.permalink

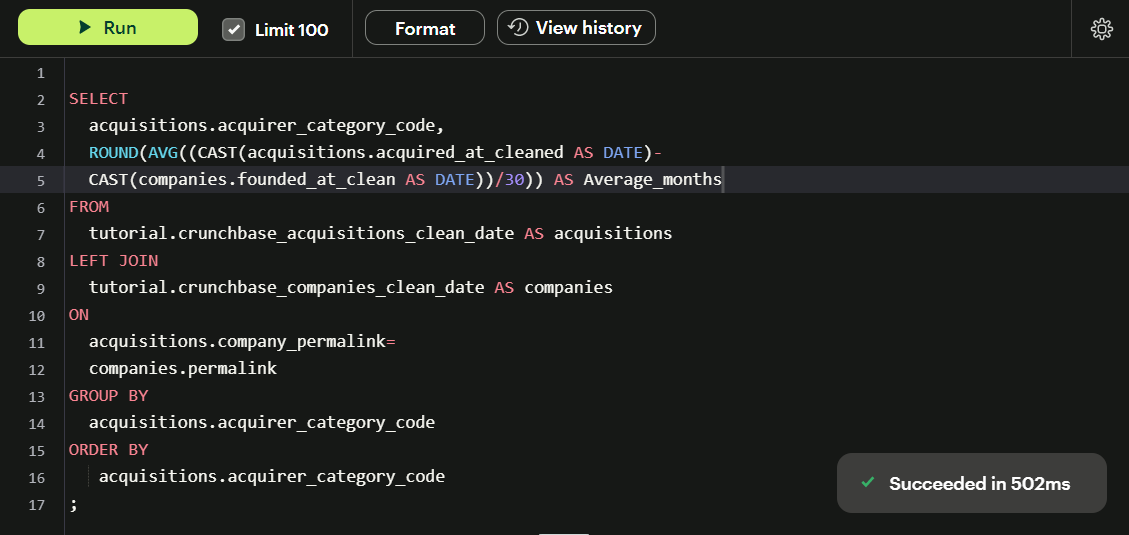
GROUP BY

acquisitions.acquirer\_category\_code

ORDER BY

acquisitions.acquirer\_category\_code

;



Table

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1. Is there any trend for quarters when more companies are acquired?

SELECT

SUBSTRING(acquired\_quarter,6,2) AS quarter,

COUNT(company\_name) AS no\_of\_companies

FROM

tutorial.crunchbase\_acquisitions

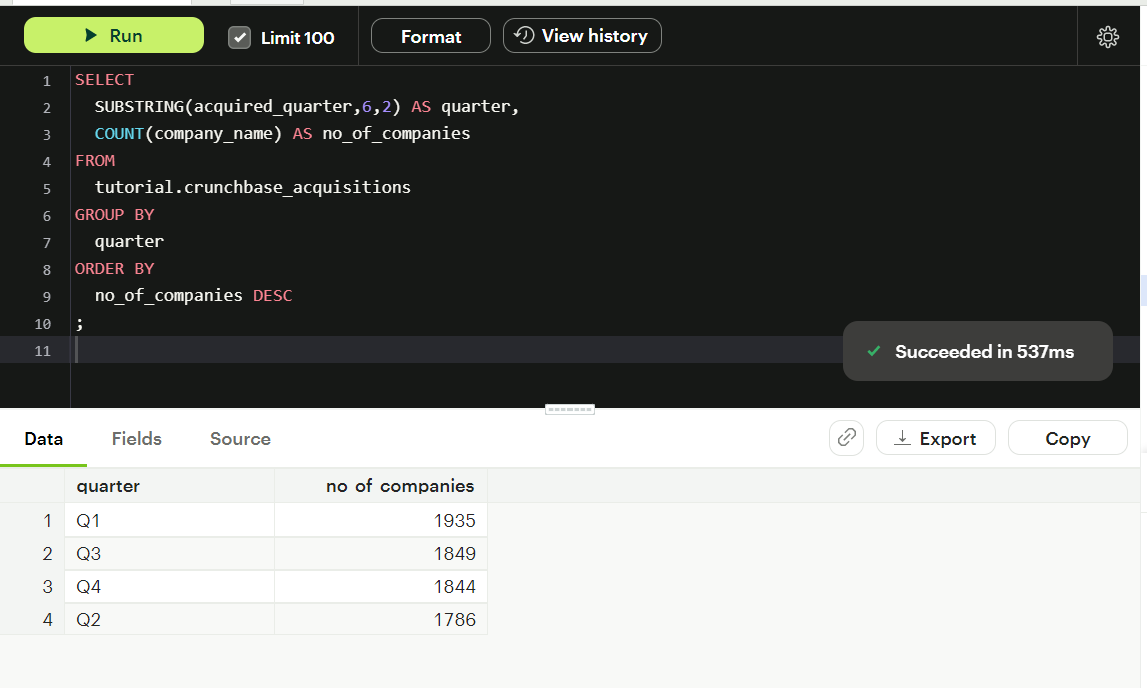
GROUP BY

quarter

ORDER BY

no\_of\_companies DESC

;



More number of companies are acquired in the odd quarters.

1. For each company\_category\_code identify the average raised\_amount\_usd per quarter.

SELECT

company\_category\_code,

(SELECT

ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.company\_category\_code=company\_category\_code

AND SUBSTRING(funded\_quarter,6,2)='Q1') AS Q1\_Avg\_raised\_amt,

(SELECT

ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.company\_category\_code=company\_category\_code

AND SUBSTRING(funded\_quarter,6,2)='Q2') AS Q2\_Avg\_raised\_amt,

(SELECT

ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.company\_category\_code=company\_category\_code

AND SUBSTRING(funded\_quarter,6,2)='Q3') AS Q3\_Avg\_raised\_amt,

(SELECT

ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.company\_category\_code=company\_category\_code

AND SUBSTRING(funded\_quarter,6,2)='Q4') AS Q4\_Avg\_raised\_amt

FROM

tutorial.crunchbase\_investments AS investments

GROUP BY

company\_category\_code

;

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1. Which investor(company) is more likely to invest in USA based companies?

SELECT

investor\_name, COUNT(company\_name) AS number\_of\_companies\_invested\_on

FROM

tutorial.crunchbase\_investments

WHERE

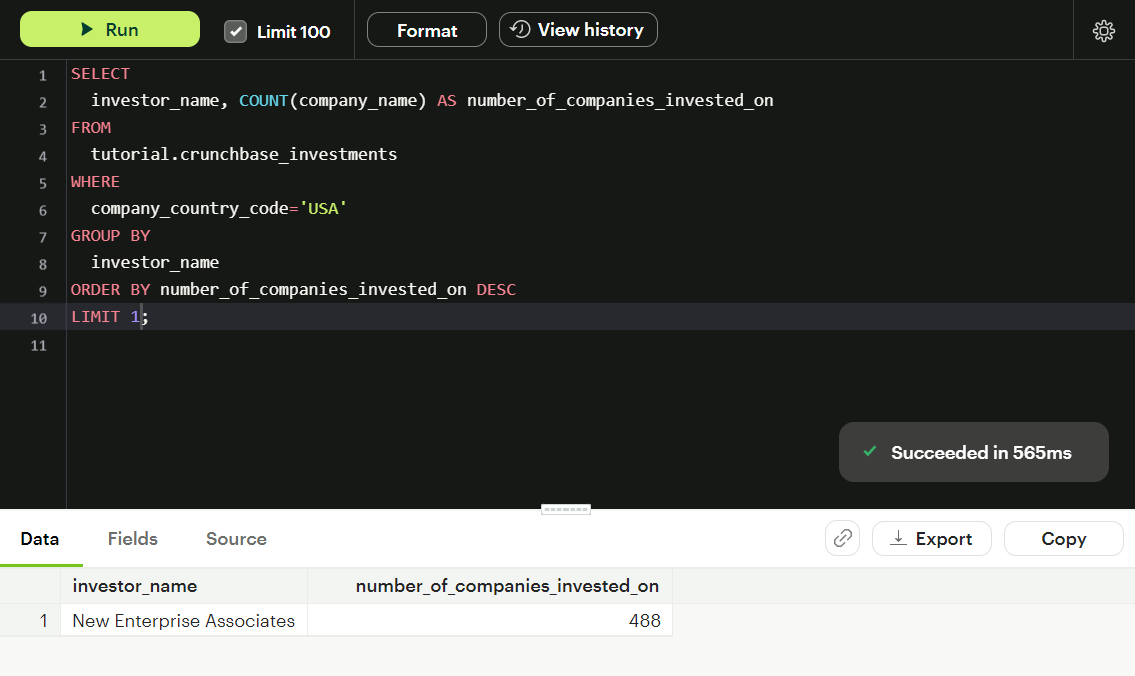
company\_country\_code='USA'

GROUP BY

investor\_name

ORDER BY number\_of\_companies\_invested\_on DESC

LIMIT 1;



1. For different type of funding rounds, what is the average raised amount per quarter?

SELECT

funding\_round\_type,

(SELECT ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.funding\_round\_type=funding\_round\_type

AND SUBSTRING(funded\_quarter,6,2)='Q1') AS Q1\_Avg\_raised\_amt,

(SELECT ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.funding\_round\_type=funding\_round\_type

AND SUBSTRING(funded\_quarter,6,2)='Q2') AS Q2\_Avg\_raised\_amt,

(SELECT ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.funding\_round\_type=funding\_round\_type

AND SUBSTRING(funded\_quarter,6,2)='Q3') AS Q3\_Avg\_raised\_amt,

(SELECT ROUND(AVG(raised\_amount\_usd))

FROM tutorial.crunchbase\_investments

WHERE investments.funding\_round\_type=funding\_round\_type

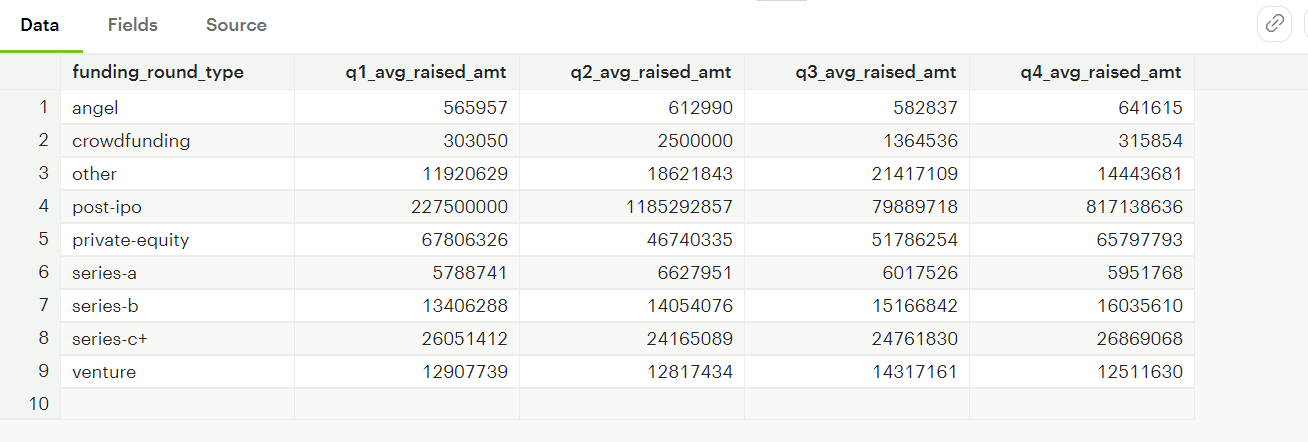
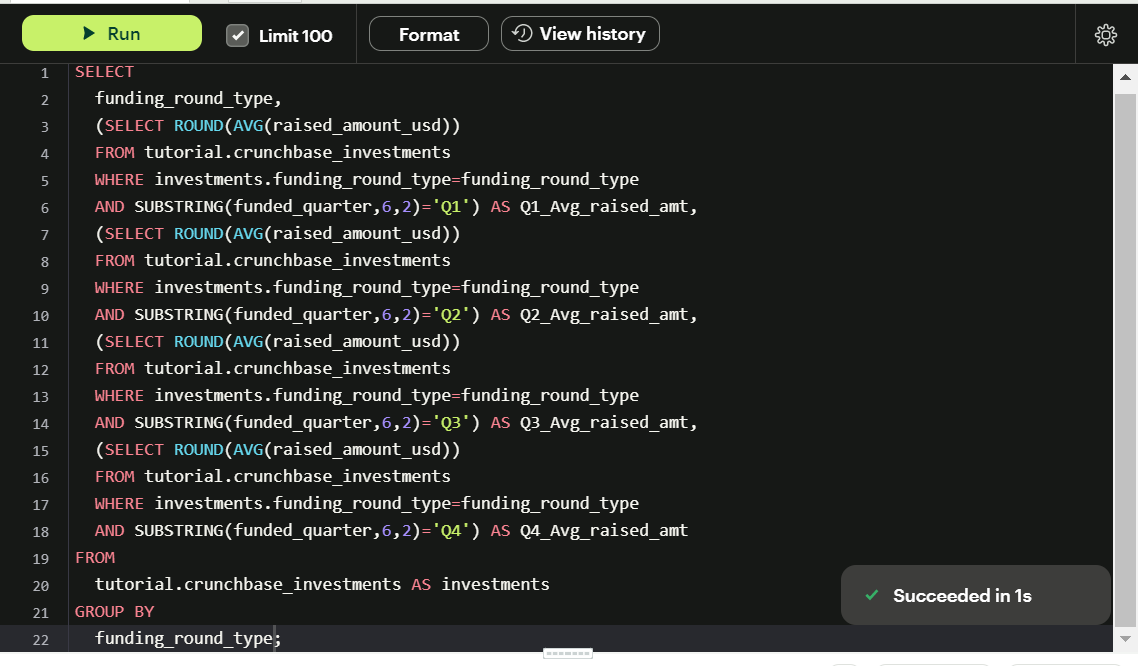
AND SUBSTRING(funded\_quarter,6,2)='Q4') AS Q4\_Avg\_raised\_amt

FROM

tutorial.crunchbase\_investments AS investments

GROUP BY

funding\_round\_type;



1. Identify companies that received an investment from Japan following an investment from Great Britain where investor is finance category company.

SELECT DISTINCT(company\_name),curr\_investor\_country,prev\_investor\_country,investor\_category\_code

FROM (SELECT

company\_name,

investor\_country\_code AS curr\_investor\_country,

CAST(funded\_at AS DATE),

investor\_category\_code,

LAG(investor\_country\_code)

OVER (ORDER BY CAST(funded\_at AS DATE))AS prev\_investor\_country

FROM tutorial.crunchbase\_investments

WHERE investor\_country\_code IN ('JPN','GBR')

AND investor\_category\_code='finance'

) AS t

WHERE curr\_investor\_country='JPN' AND prev\_investor\_country='GBR';

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1. Out of all ‘operating’ status companies, which category of companies have the highest average funding\_total\_usd?

SELECT category\_code, ROUND(AVG(funding\_total\_usd)) AS avg\_funding\_total

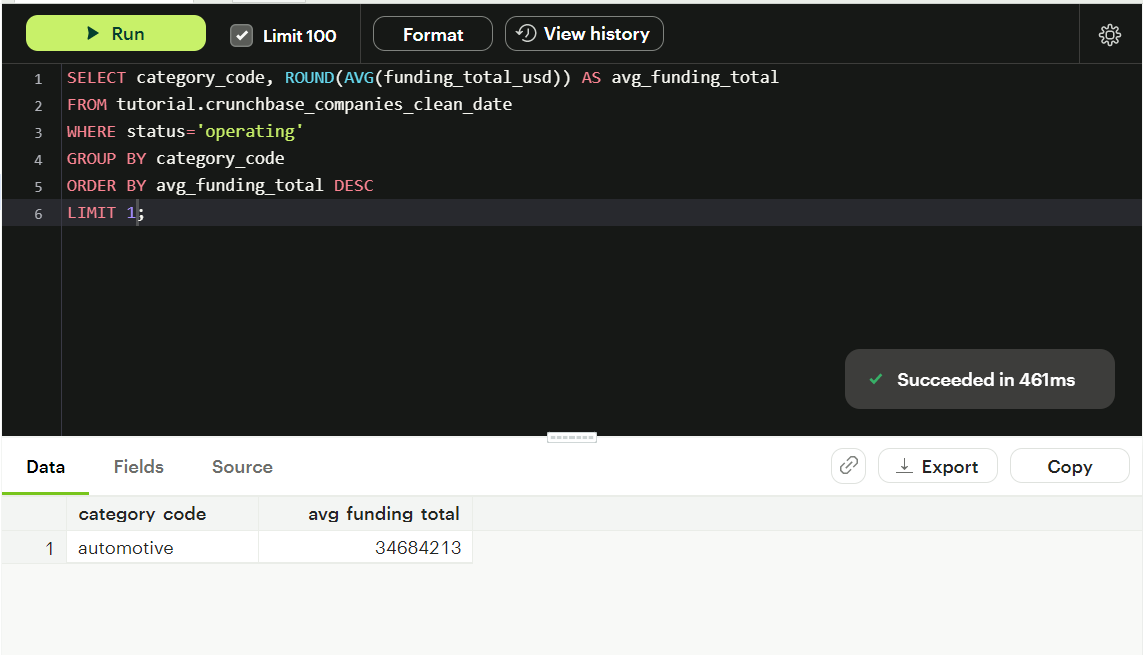
FROM tutorial.crunchbase\_companies\_clean\_date

WHERE status='operating'

GROUP BY category\_code

ORDER BY avg\_funding\_total DESC

LIMIT 1;



1. For each category, what percent of companies received funding within 3years of their funding?

SELECT

category\_code,

CASE

WHEN category\_code IS NOT NULL

THEN ROUND((cast((SELECT count(DISTINCT name) FROM tutorial.crunchbase\_companies AS sub

WHERE sub.category\_code = out.category\_code

AND (cast(sub.first\_funding\_at AS date) - cast(sub.founded\_at AS date)) < 1095 ) AS float ) /

cast((SELECT count(DISTINCT name) FROM tutorial.crunchbase\_companies AS sub

WHERE sub.category\_code = out.category\_code ) AS float ))\*100)

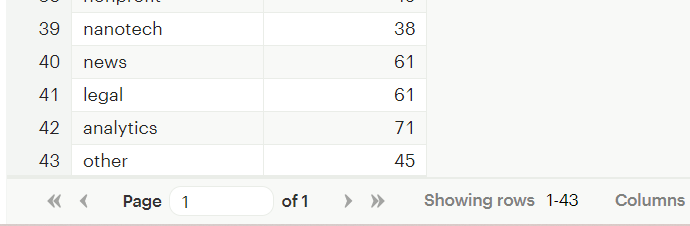
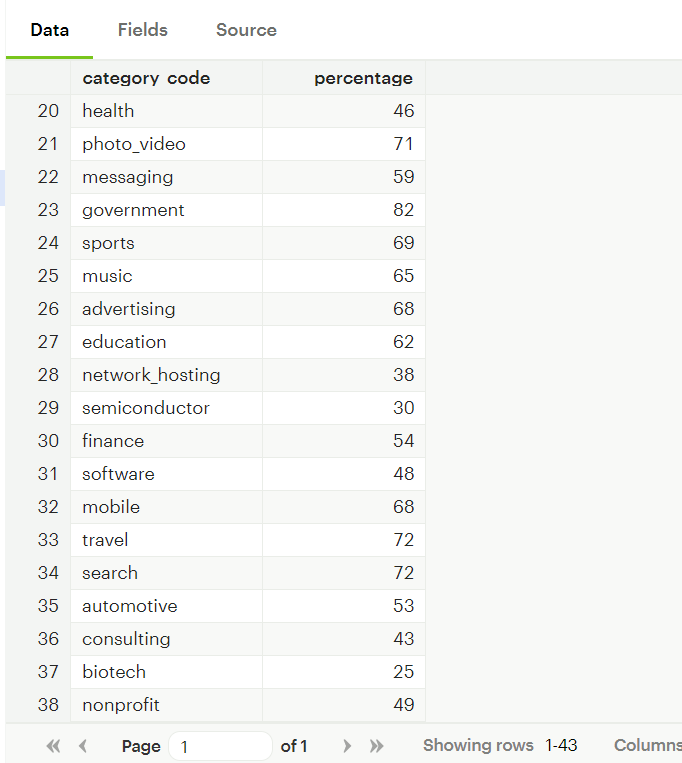
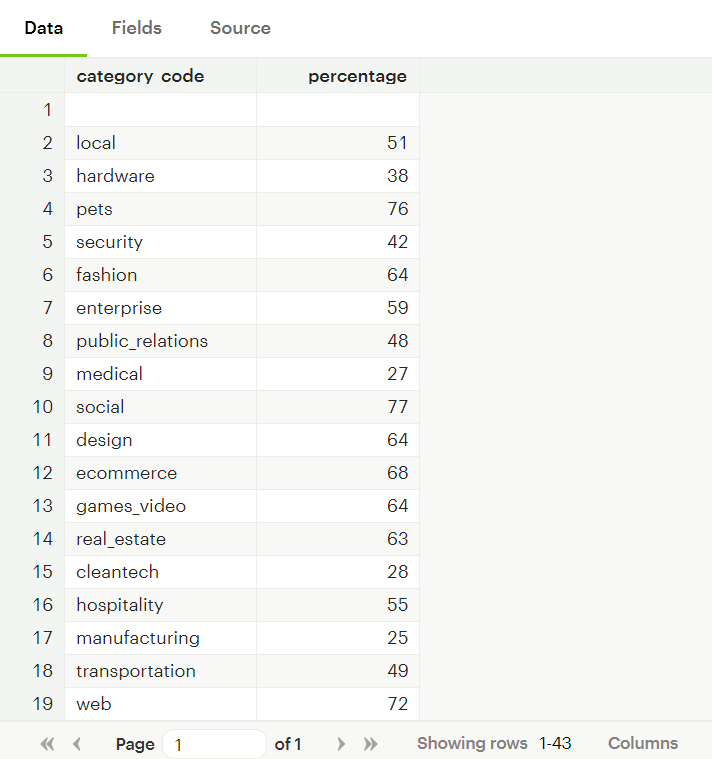
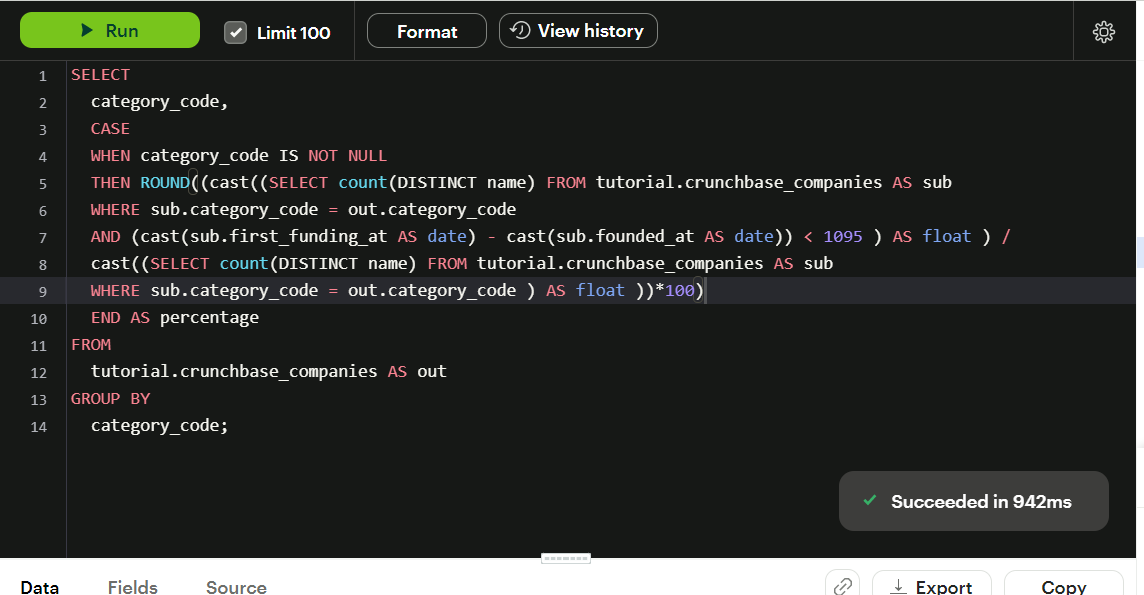
END AS percentage

FROM

tutorial.crunchbase\_companies AS out

GROUP BY

category\_code;



1. Clean the ‘last\_funding\_at’ column (convert it to time stamp) and get the time difference with the current time.

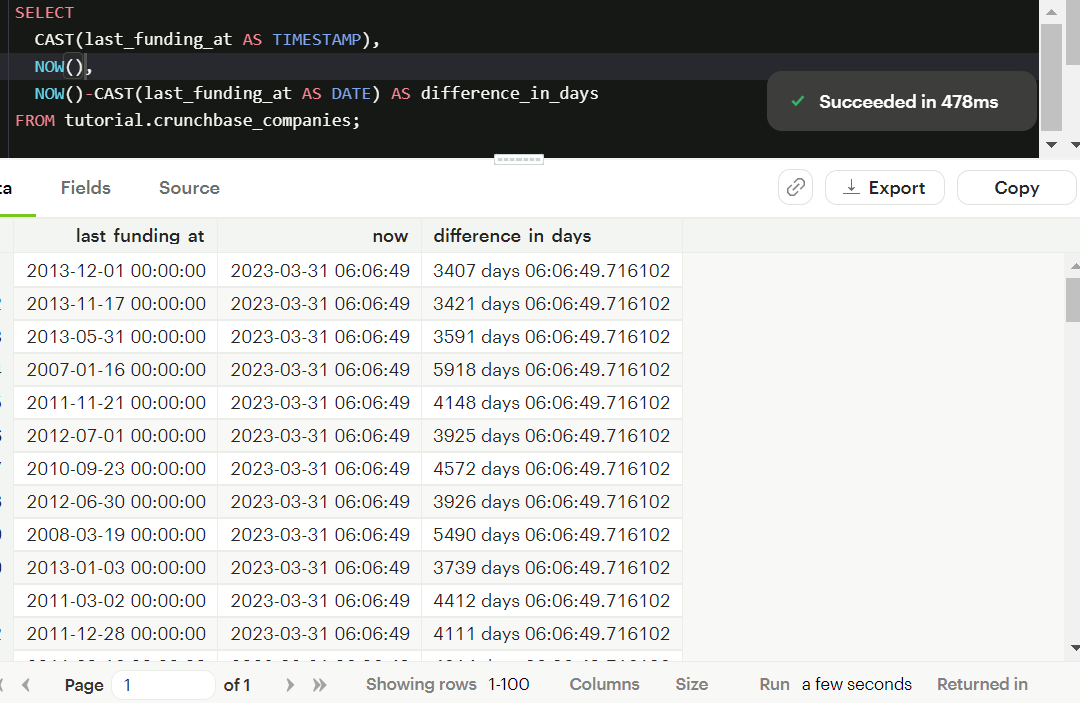
SELECT

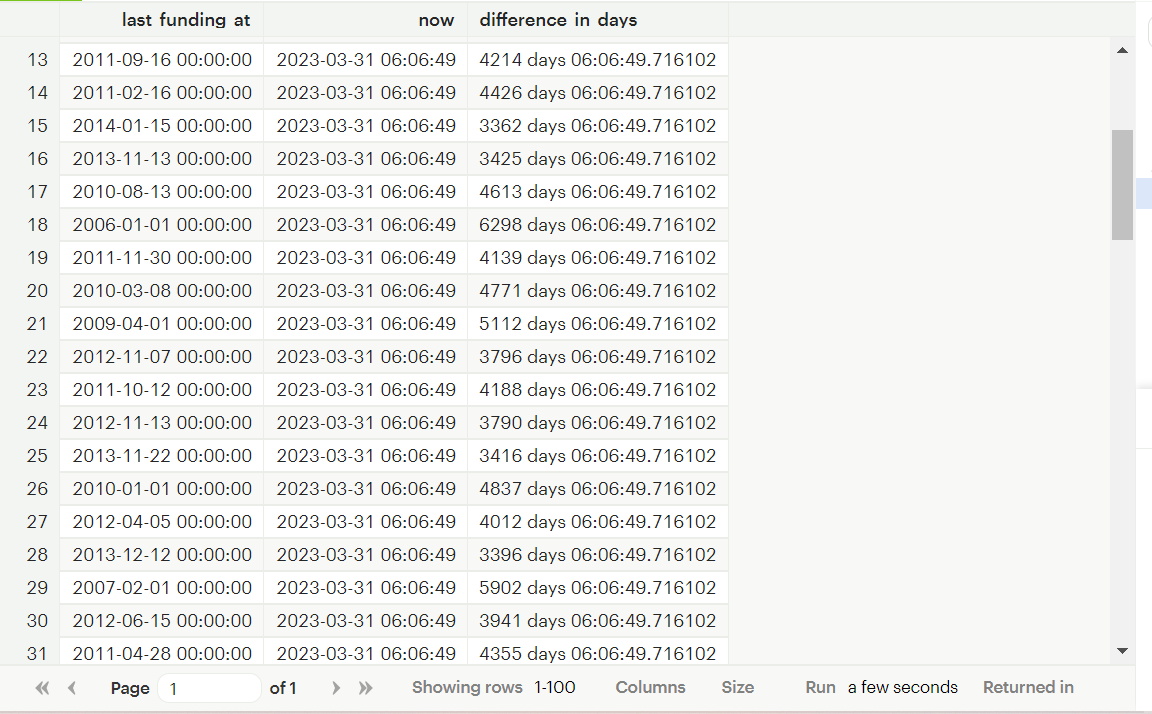
CAST(last\_funding\_at AS TIMESTAMP),

NOW(),

NOW()-CAST(last\_funding\_at AS DATE) AS difference\_in\_days

FROM tutorial.crunchbase\_companies;





1. Provide additional analysis based on the data in crunchbase tables.