



Staffelter Hof Winery is Germany's oldest business, established in 862 under the Carolingian dynasty. It has continued to serve customers through dramatic changes in Europe, such as the Holy Roman Empire, the Ottoman Empire, and both world wars. What characteristics enable a business to stand the test of time?

To help answer this question, BusinessFinancing.co.uk researched the oldest company still in business in **almost** every country and compiled the results into several CSV files. This dataset has been cleaned.

Having useful information in different files is a common problem. While it's better to keep different types of data separate for data storage, you'll want all the data in one place for analysis. You'll use joining and data manipulation to work with this data and better understand the world's oldest businesses.

The Data

businesses and new_businesses

Column	Description
business	Name of the business (varchar)
year_founded	Year the business was founded (int)
category_code	Code for the business category (varchar)
country_code	ISO 3166-1 three-letter country code (char)

countries

Column	Description
country_code	ISO 3166-1 three-letter country code (varchar)
country	Name of the country (varchar)
continent	Name of the continent the country exists in (varchar)

categories

Column	Description
category_code	Code for the business category (varchar)
category	Description of the business category (varchar)

```
-- What is the oldest business on each continent?
WITH continents AS
(
    SELECT
        c.continent as continent,
        c.country as country,
        b.business as business,
        b.year_founded as year_founded,
        RANK() OVER (PARTITION BY c.continent ORDER BY b.year_founded ASC) as rank
    FROM countries as c
    JOIN businesses as b
    ON c.country_code = b.country_code
)
SELECT
    continent,
    country,
    business,
    year_founded
FROM continents
WHERE rank = 1;
```

index	...	↑↓	continent	...	↑↓	country	...	↑↓	business	...	↑↓	year_founded	...	↑↓	
		0	Africa			Mauritius			Mauritius Post			1772			
		1	Asia			Japan			Kongô Gumi			578			
		2	Europe			Austria			St. Peter Stifts Kulinarium			803			
		3	North America			Mexico			La Casa de Moneda de México			1534			
		4	Oceania			Australia			Australia Post			1809			
		5	South America			Peru			Casa Nacional de Moneda			1565			

```
-- How many countries per continent lack data on the oldest businesses
-- Does including the `new_businesses` data change this?
WITH combined_businesses AS (
  SELECT country_code FROM businesses
  UNION
  SELECT country_code FROM new_businesses
),
missing_data AS (
  SELECT
    c.continent,
    c.country
  FROM countries c
  LEFT JOIN combined_businesses cb
    ON c.country_code = cb.country_code
  WHERE cb.country_code IS NULL
)
SELECT
  continent,
  COUNT(country) AS countries_without_businesses
FROM missing_data
GROUP BY continent
ORDER BY continent;
```

index	...	↑↓	continent	...	↑↓	countries_without_businesses	...	↑↓
		0	Africa					3
		1	Asia					7
		2	Europe					2
		3	North America					5
		4	Oceania					10
		5	South America					3

Rows: 6

Expand

```
-- Which business categories are best suited to last over the course of centuries?
WITH ranked_businesses AS (
  SELECT
    c.continent,
    cat.category,
    b.year_founded,
    ROW_NUMBER() OVER (
      PARTITION BY c.continent, cat.category
      ORDER BY b.year_founded ASC
    ) AS row_num
  FROM businesses b
  INNER JOIN categories cat ON b.category_code = cat.category_code
  INNER JOIN countries c ON b.country_code = c.country_code
)
SELECT
  continent,
  category,
  year_founded
FROM ranked_businesses
WHERE row_num = 1;
```

...	↑↓	contin...	...	↑↓	category	...	↑↓	year...	...	↑↓
	0	Africa			Agriculture			1947		
	1	Africa			Aviation & Transport			1854		
	2	Africa			Banking & Finance			1892		
	3	Africa			Distillers, Vintners, & Breweries			1933		
	4	Africa			Energy			1968		
	5	Africa			Food & Beverages			1878		
	6	Africa			Manufacturing & Production			1820		
	7	Africa			Media			1943		
	8	Africa			Mining			1962		
	9	Africa			Postal Service			1772		
	10	Asia			Agriculture			1930		
	11	Asia			Aviation & Transport			1858		
	12	Asia			Banking & Finance			1830		
	13	Asia			Cafés, Restaurants & Bars			1153		
	14	Asia			Conglomerate			1841		
	15	Asia			Construction			578		