

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

`countries`

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

`categories`

Column	Description
<code>category_code</code>	Code for the business category (varchar)
<code>category</code>	Description of the business category (varchar)

 Projects Data DataFrame as `oldest_business_continent`

```
-- What is the oldest business on each continent?
```

```
WITH oldest AS (  
  SELECT  
    continent,  
    MIN(year_founded) AS year_founded  
  FROM countries  
  INNER JOIN businesses  
  USING(country_code)  
  GROUP BY continent  
)
```

```
SELECT
    o.continent,
    country,
    business,
    o.year_founded
FROM (SELECT continent, country, business, year_founded FROM businesses INNER JOIN countries
      USING(country_code)) AS c
INNER JOIN oldest AS o
ON c.continent = o.continent AND c.year_founded = o.year_founded
ORDER BY year_founded;
```

i.	...	↑↓	continent	...	↑↓	cou...	...	↑↓	business	...	↑↓	year_foun...	...
	0		Asia			Japan			Kongō Gumi				
	1		Europe			Austria			St. Peter Stifts Kulinarium				
	2		North America			Mexico			La Casa de Moneda de México				1
	3		South America			Peru			Casa Nacional de Moneda				1
	4		Africa			Mauritius			Mauritius Post				1
	5		Oceania			Australia			Australia Post				1

Rows: 6 ↓

 Projects Data DataFrame as count_missing

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

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

Rows: 6 ↓

 Projects Data DataFrame as oldest_l

```
-- Which business categories are best suited to last over the course of centuries?
SELECT
    co.continent,
    ca.category,
    MIN(b.year_founded) AS year_founded
FROM businesses AS b
INNER JOIN categories AS ca
      USING(category_code)
INNER JOIN countries AS co
      USING(country_code)
GROUP BY continent, category
```

```
ORDER BY continent ASC, category ASC;
```

...	↑↓	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		
Rows: 56 ↓										