



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 groupings as (
select continent,
       country,
       business,
       year_founded,
       row_number() over (partition by continent order by year_founded asc) as rankings
from businesses as b
left join countries as c
    on b.country_code = c.country_code)

select continent,
       country,
       business,
       year_founded
from groupings
where rankings = 1;
```

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

Rows: 6

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Projects Data DataFrame as count\_missing

```
-- How many countries per continent lack data on the oldest businesses
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
) as b
ON c.country_code = b.country_code
WHERE b.business IS NULL
GROUP BY c.continent;
```

```
-- Does including the `new_businesses` data change this?
```

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


Rows: 6

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How likely are you to recommend DataLab to a friend or co-worker?

Not at all likely 0 1 2 3 4 5 6 7 8 9 10 Extremely likely

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 Projects Data

DataFrame as oldest\_by\_continent\_

-- Which business categories are best suited to last over the course of centuries?  
with groupings as (  
 select  
 continent,  
 category,  
 year\_founded,  
 row\_number () over (partition by category, continent order by year\_founded asc) as rankings  
from businesses as b  
inner join countries as c  
 on b.country\_code = c.country\_code  
inner join categories as ca  
 on b.category\_code = ca.category\_code  
)  
select  
 continent,  
 category,  
 min(year\_founded) as year\_founded  
from groupings  
 where rankings = 1  
 group by continent, category  
 order by year\_founded asc;

...	↑↓	contin...	...	↑↓	category	...	↑↓	year...	...	↑↓
	0	Asia			Construction			578		
	1	Europe			Cafés, Restaurants & Bars			803		
	2	Europe			Distillers, Vintners, & Breweries			862		
	3	Europe			Manufacturing & Production			864		
	4	Asia			Cafés, Restaurants & Bars			1153		
	5	Europe			Agriculture			1218		
	6	Europe			Tourism & Hotels			1230		
	7	Europe			Mining			1248		
	8	Europe			Medical			1422		
	9	Europe			Postal Service			1520		
	10	North America			Manufacturing & Production			1534		
	11	South America			Banking & Finance			1565		
	12	Asia			Tourism & Hotels			1584		
	13	Europe			Banking & Finance			1606		
	14	South America			Manufacturing & Production			1621		
	15	North America			Agriculture			1638		

Rows: 56

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How likely are you to recommend DataLab to a friend or co-worker?

Not at all likely

0

1

2

3

4

5

6

7

8

9

10

Extremely likely

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