# **DataCamp – What and Where are the World Oldest Business**

DataCamp is an online learning platform that helps students build data skills at their own pace. DataCamp courses include non-coding essentials like BI tools to data science and machine learning.

#### Overview

This data set is provided by DataCamp where they took it the data set from BusinessFinancing.co.uk <u>researched</u> the oldest company that is still in business in (almost) every country and compiled the results into a dataset. In this project, the Database contain 3 tables, categories, countries, and businesses, you'll explore that dataset to see what they found.

The Database contains three tables:

categories

column type		meaning
category_code	varchar	Code for the category of the business.
category	varchar	Description of the business category.

countries

column	type	meaning
country_code	varchar	ISO 3166-1 3-letter country code.
country	varchar	Name of the country.
continent	varchar	Name of the continent that the country exists in.

businesses

column	type	meaning
business	varchar	Name of the business.
year_founded	int	Year the business was founded.
category_code	varchar	Code for the category of the business.
country_code	char	ISO 3166-1 3-letter country code.

#### Tool

The tool that I use for this analysis is SQL that has been provided by DataCamp in their website.

## **Analyze**

• The oldest businesses in the world

```
postgresql://oldestbusinesses
-- Select the oldest and newest founding years from the businesses table
SELECT MIN(year_founded), MAX(year_founded)
FROM businesses
1 rows affected.

min max
578 1999
```

That's a lot of variation between countries. In one country, the oldest business was only founded in 1999. By contrast, the oldest business in the world was founded back in 578. That's pretty incredible that a business has survived for more than a millennium.

• Which businesses were founded before 1000?



There is 6 businesses that founded before 1000, that have been around for more than a millennium.

#### • Exploring Categories

```
-- Select business name, founding year, and country code from businesses; and category from categories -- where the founding year was before 1000, arranged from oldest to newest
SELECT b.business,
        b.year_founded,
        b.country_code,
        c.category
FROM businesses AS b
INNER JOIN categories AS c
ON b.category_code = c.category_code
WHERE b.year_founded < 1000
ORDER BY b.year_founded ASC
* postgresql:///oldestbusinesses
6 rows affected.
           business year_founded country_code
                                                             category
          Kongō Gumi
                        578
                                     JPN
                                                           Construction
St. Peter Stifts Kulinarium 803 AUT Cafés, Restaurants & Bars
    Staffelter Hof Winery 862 DEU Distillers, Vintners, & Breweries
   Monnaie de Paris 864
                                     FRA Manufacturing & Production
       The Royal Mint 886 GBR Manufacturing & Production
          Sean's Bar 900 IRL Cafés, Restaurants & Bars
```

With that extra detail about the oldest businesses, we can see that Kongō Gumi is a construction company. In that list of six businesses, we also see a café, a winery, and a bar. The two companies recorded as "Manufacturing and Production" are both mints. That is, they produce currency.

#### Counting categories

```
-- Select the category and count of category (as "n")
-- arranged by descending count, limited to 10 most common categories
SELECT category,
       COUNT(*) AS n
FROM categories AS c
INNER JOIN businesses AS b
ON b.category_code = c.category_code
GROUP BY category
ORDER BY n DESC
LIMIT 10
 * postgresql:///oldestbusinesses
10 rows affected.
               category n
         Banking & Finance 37
Distillers, Vintners, & Breweries 22
       Aviation & Transport 19
          Postal Service 16
   Manufacturing & Production 15
   Media 7
             Agriculture 6
   Cafés, Restaurants & Bars 6
         Food & Beverages 6
        Tourism & Hotels 4
```

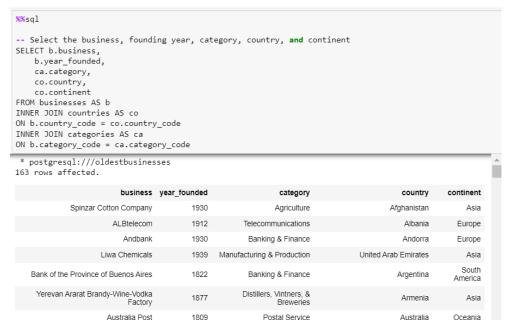
There are 10 most in-demand businesses worldwide, with the most in-demand businesses in Banking & Finance. Maybe that's where you should aim if you want to start a thousand-year business.

#### Oldest Business by Continent

```
-- Select the oldest founding year (as "oldest") from businesses,
-- and continent from countries
 -- for each continent, ordered from oldest to newest
SELECT MIN(b.year_founded) AS oldest,
        c.continent
FROM businesses AS b
INNER JOIN countries AS c
ON b.country_code = c.country_code
GROUP BY c.continent
ORDER BY oldest ASC
 * postgresql:///oldestbusinesses
6 rows affected.
oldest
          continent
  578
  803
            Europe
  1534 North America
  1565 South America
  1772
             Africa
```

Interesting. There's a jump in time from the older businesses in Asia and Europe to the 16th Century oldest businesses in North and South America, then to the 18th and 19th Century oldest businesses in Africa and Oceania.

### Joining for further analysis



Having businesses joined to categories and countries together means we can ask questions about both these things together. To do more deeper analysis.

• Filtering counts by Continent and Category that greater than 5



Well it looks like "Banking & Finance" is the most popular category in Africa and Asia, followed by "Aviation & Transport" in Europe and Asia for the most popular category in businesses.