

What and Where are the World's Oldest Businesses?

PRESENTED BY DEEKSHA RANA

SQL ANALYSIS

The database contains
three tables

01 Categories

02 Countries

03 Businesses

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.

Let's begin by looking at the range of the founding years throughout the world.

QUERY

```
SELECT MIN(year_founded), MAX(year_founded)
FROM businesses
```

min	max
578	1999

How many businesses were founded before 1000?

QUERY

```
SELECT COUNT (business)
FROM businesses
WHERE year_founded < 1000;
```

count
6

Which businesses were founded before 1000?

QUERY

```
SELECT *
FROM businesses
WHERE year_founded <1000
ORDER BY year_founded;
```

business	year_founded	category_code	country_code
Kongō Gumi	578	CAT6	JPN
St. Peter Stifts Kulinarium	803	CAT4	AUT
Staffelter Hof Winery	862	CAT9	DEU
Monnaie de Paris	864	CAT12	FRA
The Royal Mint	886	CAT12	GBR
Sean's Bar	900	CAT4	IRL

Exploring the categories

QUERY

```
SELECT bus.business,  
bus.year_founded,bus.country_code,ca  
t.category  
FROM businesses AS bus  
INNER JOIN  
categories AS cat  
ON bus.category_code =  
cat.category_code  
WHERE year_founded < 1000  
ORDER BY year_founded;
```

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

Counting the categories

QUERY

```
SELECT cat.category, COUNT(cat.category) AS n
FROM businesses AS bus
INNER JOIN categories AS cat
ON
bus.category_code = cat.category_code
GROUP BY cat.category
ORDER BY n DESC
LIMIT 10;
```

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

Oldest business by continent

QUERY

```
SELECT  MIN(bus.year_founded)  AS  oldest,
cnt.continent
FROM businesses AS bus
  INNER JOIN countries AS cnt
    ON bus.country_code = cnt.country_code
GROUP BY continent
ORDER BY oldest;
```

oldest	continent
578	Asia
803	Europe
1534	North America
1565	South America
1772	Africa
1809	Oceania

Which are the most common categories for the oldest businesses on each continent?

QUERY

```
SELECT cnt.continent, cat.category, COUNT(*) AS n
FROM businesses AS bus
INNER JOIN categories AS cat
    ON bus.category_code = cat.category_code
INNER JOIN countries AS cnt
    ON bus.country_code = cnt.country_code
GROUP BY cnt.continent, cat.category;
```

continent	category	n
North America	Banking & Finance	4
Oceania	Postal Service	1
South America	Food & Beverages	2
Europe	Tourism & Hotels	2
Asia	Media	1
Europe	Medical	1
Asia	Defense	1
Africa	Manufacturing & Production	1
Europe	Postal Service	4

+more ...

Filtering counts by continent and category

QUERY

```
SELECT cnt.continent, cat.category, COUNT(*) AS n
FROM businesses AS bus
  INNER JOIN categories AS cat
    ON bus.category_code = cat.category_code
  INNER JOIN countries AS cnt
    ON bus.country_code = cnt.country_code
GROUP BY cnt.continent, cat.category
HAVING COUNT(*) > 5
ORDER BY n DESC;
```

continent	category	n
Africa	Banking & Finance	17
Europe	Distillers, Vintners, & Breweries	12
Africa	Aviation & Transport	10
Africa	Postal Service	9
Europe	Manufacturing & Production	8
Asia	Aviation & Transport	7
Asia	Banking & Finance	6

Thank you!
