

Query Business Old

--- 1. The oldest business in the world

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

```
FROM businesses;
```

--- Return

```
min|max |
```

```
-----+
```

```
578|1999|
```

--- 2. How many businesses were founded before 1000?

```
SELECT
```

```
    COUNT(*)
```

```
FROM businesses
```

```
WHERE year_founded < 1000;
```

--- Return

```
count|
```

```
-----+
```

```
6|
```

--- 3. Which businesses were founded before 1000?

```
SELECT *
```

```
FROM businesses
```

```
WHERE year_founded < 1000
```

```
ORDER BY year_founded ASC;
```

--- Return

```
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         |
```

--- 4. Exploring the categories

```
SELECT
```

```
    b.business,
```

```
    b.year_founded,
```

```
    b.country_code,
```

```
    c.category
```

```
FROM businesses AS b
```

```
LEFT JOIN categories AS c
```

```
ON b.category_code = c.category_code
```

```
WHERE year_founded < 1000
```

```
ORDER BY year_founded;
```

--- Return

```
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 |

```

--- 5. Counting the categories

```

SELECT
    category,
    COUNT(category) AS n
FROM categories AS c
LEFT JOIN businesses AS b
USING(category_code)
GROUP BY category
ORDER BY n DESC
LIMIT 10;
--- Return
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|

```

--- 6. Oldest business by continent

```

SELECT
    MIN(year_founded) AS oldest,
    continent
FROM businesses AS b
LEFT JOIN countries AS c
ON b.country_code = c.country_code
GROUP BY continent
ORDER BY oldest ASC;
--- Return
oldest|continent |
-----+-----+
578|Asia |
803|Europe |
1534|North America|
1565|South America|
1772|Africa |
1809|Oceania |

```

--- 7. Joining everything for further analysis

```

SELECT
    b.business,
    b.year_founded,

```

```

        c1.category,
        c2.country,
        c2.continent
FROM businesses AS b
LEFT JOIN categories AS c1
ON b.category_code = c1.category_code
LEFT JOIN countries AS c2
ON b.country_code = c2.country_code;
--- Return
business          |year_founded|category          |country          |continent        |
-----+-----+-----+-----+-----+
Shirley Plantation |1638|Agriculture      |United States|North America|
Cotontchad        |1971|Agriculture      |Chad         |Africa        |
Casa de Ganaderos  |1218|Agriculture      |Spain        |Europe        |
Cameroon Development Corporation|1947|Agriculture      |Cameroon     |Africa        |
Botswana Meat Commission |1965|Agriculture      |Botswana     |Africa        |
Spinzar Cotton Company |1930|Agriculture      |Afghanistan  |Asia          |
Yemenia Airways    |1962|Aviation & Transport|Yemen        |Asia          |
Vietnam Railways   |1881|Aviation & Transport|Viet Nam     |Asia          |
Air Seychelles     |1977|Aviation & Transport|Seychelles   |Asia          |
Swazi Rail         |1963|Aviation & Transport|Eswatini     |Africa        |

--- 8. Counting categories by continent
SELECT
    c2.continent,
    c1.category,
    COUNT(*) AS n
FROM businesses AS b
LEFT JOIN categories AS c1
ON b.category_code = c1.category_code
LEFT JOIN countries AS c2
ON b.country_code = c2.country_code
GROUP BY
    c2.continent,
    c1.category;
--- Return
continent |category          |n|
-----+-----+---
South America|Defense          |1|
Europe       |Medical          |1|
Asia         |Media            |1|
Africa       |Postal Service   |9|
North America|Banking & Finance |4|
Asia         |Agriculture      |1|
Asia         |Conglomerate     |3|
Europe       |Defense          |1|
North America|Aviation & Transport|2|
Asia         |Telecommunications |1|

--- 9. Filtering counts by continent and category
SELECT
    cnt.continent,
    cat.category,
    COUNT(*) AS n
FROM businesses AS bus

```

```

LEFT JOIN categories AS cat
ON bus.category_code = cat.category_code
LEFT JOIN countries AS cnt
ON bus.country_code = cnt.country_code
GROUP BY
    cnt.continent,
    cat.category
HAVING COUNT(*) > 5
ORDER BY n DESC;
--- Return
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|

```