

Analyze which characteristics enable a business to stand the test of time -> by joining and data manipulation

 Projects Data DataFrame as `oldes`

```
-- Oldest business on each continent?
SELECT bc.continent, bc.business, bc.year_founded, bc.country
FROM (
  SELECT business, year_founded, country, continent
  FROM businesses
  JOIN countries USING (country_code)
) bc
JOIN (SELECT continent, MIN(year_founded) AS year_founded
      FROM businesses
      JOIN countries
      USING (country_code)
      GROUP BY continent) c
ON bc.continent = c.continent AND bc.year_founded = c.year_founded
```

index	...	↑↓	continent	...	↑↓	business	...	↑↓	year_founded	...	↑↓	country	...	↑↓	
			0	Oceania		Australia Post			1809			Australia			
			1	Europe		St. Peter Stifts Kulinarium			803			Austria			
			2	Asia		Kongō Gumi			578			Japan			
			3	North America		La Casa de Moneda de México			1534			Mexico			
			4	Africa		Mauritius Post			1772			Mauritius			
			5	South America		Casa Nacional de Moneda			1565			Peru			

Rows: 6

 Projects Data DataFrame as `count`

```
-- 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
) b
ON c.country_code = b.country_code
WHERE b.business IS NULL
GROUP BY c.continent;
```

index	...	↑↓	continent	...	↑↓	countries_without_businesses	...	↑↓	
			0	Africa					3
			1	Asia					7
			2	Europe					2
			3	North America					5
			4	Oceania					10
			5	South America					3

Rows: 6

```
-- Business categories are best suited to last over the course of centuries
SELECT c.continent, cat.category, MIN(b.year_founded) AS year_founded
FROM businesses b
INNER JOIN categories cat ON b.category_code = cat.category_code
INNER JOIN countries c ON b.country_code = c.country_code
GROUP BY c.continent, cat.category
ORDER BY c.continent, cat.category;
```

index	...	↑↓	continent	...	↑↓	category	...	↑↓	year_founded	...	↑↓
			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
			16			Asia			Defense		1808

Rows: 56