# DEVELHOPE SQLITE TEAM PROJECT

# CODE - NUMBER OF CUSTOMER BY CITIES

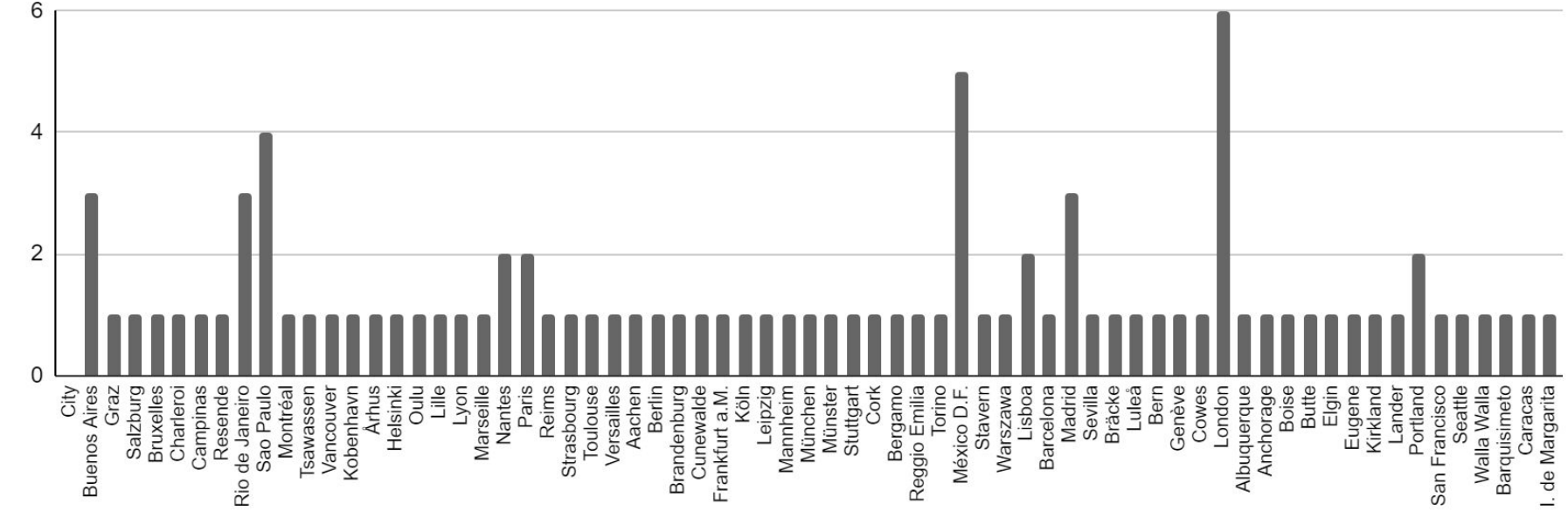
```
CREATE TEMP TABLE IF NOT EXISTS customer_by_city AS

SELECT Country, City, COUNT(CustomerID)

FROM Customers c

GROUP BY Country, City


SELECT * from customer_by_city
```

| Number of Customers by Cities | | |
|---|---|---|
| Country | City | COUNT(CustomerID) |
| Argentina | Buenos Aires | 3 |
| Austria | Graz | 1 |
| Austria | Salzburg | 1 |
| Belgium | Bruxelles | 1 |
| Belgium | Charleroi | 1 |
| Brazil | Campinas | 1 |
| Brazil | Resende | 1 |
| Brazil | Rio de Janeiro | 3 |
| Brazil | Sao Paulo | 4 |
| Canada | Montréal | 1 |
| Canada | Tsawassen | 1 |
| Canada | Vancouver | 1 |
| Denmark | Kobenhavn | 1 |
| Denmark | Århus | 1 |
| Finland | Helsinki | 1 |
| Finland | Oulu | 1 |
| France | Lille | 1 |
| France | Lyon | 1 |
| France | Marseille | 1 |
| France | Nantes | 2 |
| France | Paris | 2 |
| France | Reims | 1 |
| France | Strasbourg | 1 |

| Number of Customers by Cities | | |
|---|---|---|
| Country | City | COUNT(CustomerID) |
| France | Toulouse | 1 |
| France | Versailles | 1 |
| Germany | Aachen | 1 |
| Germany | Berlin | 1 |
| Germany | Brandenburg | 1 |
| Germany | Cunewalde | 1 |
| Germany | Frankfurt a.M. | 1 |
| Germany | Köln | 1 |
| Germany | Leipzig | 1 |
| Germany | Mannheim | 1 |
| Germany | München | 1 |
| Germany | Münster | 1 |
| Germany | Stuttgart | 1 |
| Ireland | Cork | 1 |
| Italy | Bergamo | 1 |
| Italy | Reggio Emilia | 1 |
| Italy | Torino | 1 |
| Mexico | México D.F. | 5 |
| Norway | Stavern | 1 |
| Poland | Warszawa | 1 |
| Portugal | Lisboa | 2 |
| Spain | Barcelona | 1 |
| Spain | Madrid | 3 |

| Number of Customers by Cities | | |
|---|---|---|
| Country | City | COUNT(CustomerID) |
| Spain | Sevilla | 1 |
| Sweden | Bräcke | 1 |
| Sweden | Luleå | 1 |
| Switzerland | Bern | 1 |
| Switzerland | Genève | 1 |
| UK | Cowes | 1 |
| UK | London | 6 |
| USA | Albuquerque | 1 |
| USA | Anchorage | 1 |
| USA | Boise | 1 |
| USA | Butte | 1 |
| USA | Elgin | 1 |
| USA | Eugene | 1 |
| USA | Kirkland | 1 |
| USA | Lander | 1 |
| USA | Portland | 2 |
| USA | San Francisco | 1 |
| USA | Seattle | 1 |
| USA | Walla Walla | 1 |
| Venezuela | Barquisimeto | 1 |
| Venezuela | Caracas | 1 |
| Venezuela | I. de Margarita | 1 |

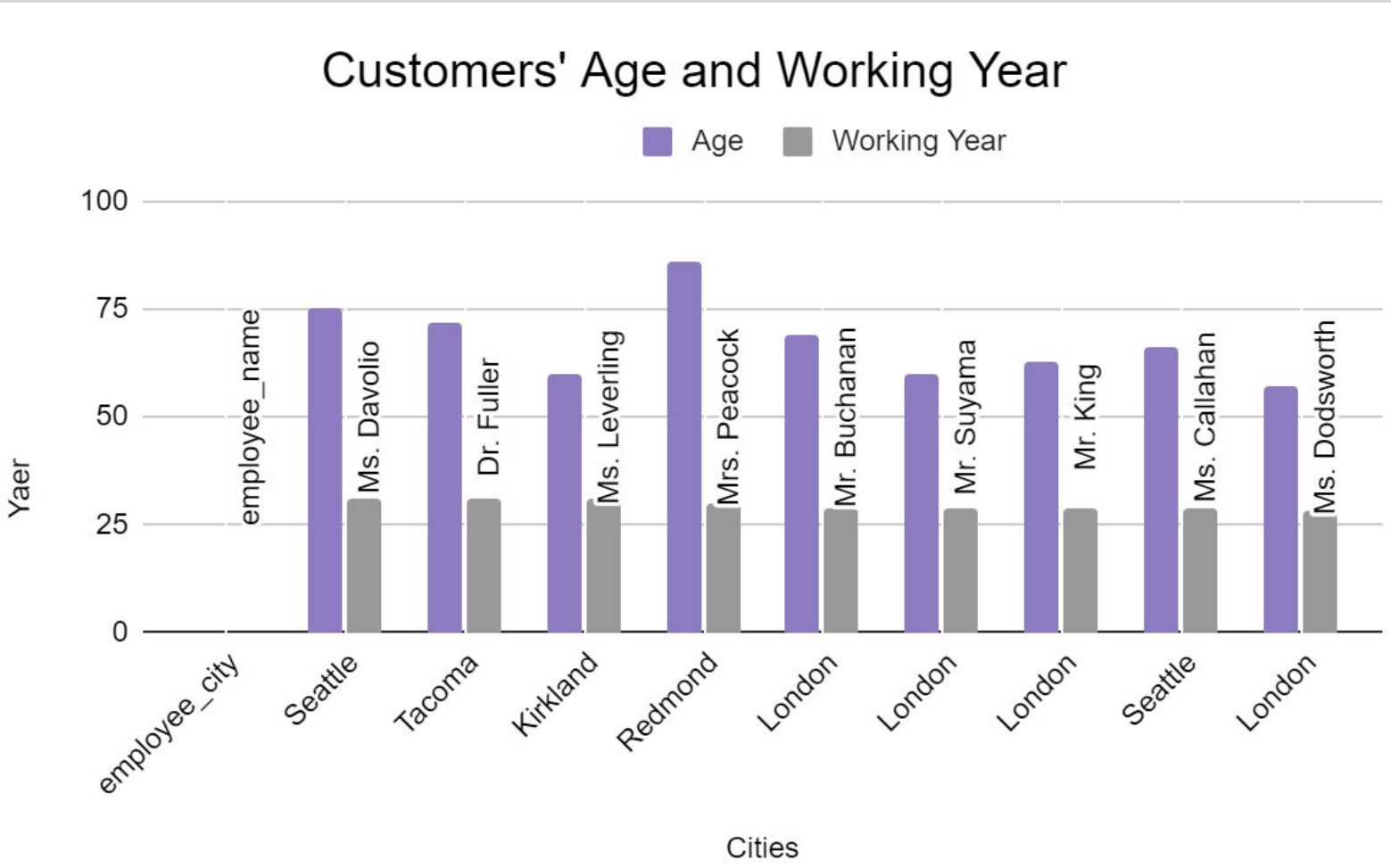
# Number of Customers by Cities



# CODE - CUSTOMERS' AGE AND WORKING YEAR

```
CREATE TEMP TABLE IF NOT EXISTS employees_age_temp AS

SELECT EmployeeID,

City AS employee_city,

TitleOfCourtesy ||' '||LastName AS employee_name,

ROUND((JULIANDAY('now') - JULIANDAY(BirthDate))/360.25)  AS employee_age,

ROUND((JULIANDAY('now') - JULIANDAY(HireDate))/360.25) AS working_year

FROM Employees e;


SELECT * FROM employees_age_temp;
```

| Customers' Age and Working Year | | | | |
|---|---|---|---|---|
| EmployeeID | employee_city | employee_name | employee_age | working_year |
| 1 | Seattle | Ms. Davolio | 75 | 31 |
| 2 | Tacoma | Dr. Fuller | 72 | 31 |
| 3 | Kirkland | Ms. Leverling | 60 | 31 |
| 4 | Redmond | Mrs. Peacock | 86 | 30 |
| 5 | London | Mr. Buchanan | 69 | 29 |
| 6 | London | Mr. Suyama | 60 | 29 |
| 7 | London | Mr. King | 63 | 29 |
| 8 | Seattle | Ms. Callahan | 66 | 29 |
| 9 | London | Ms. Dodsworth | 57 | 28 |

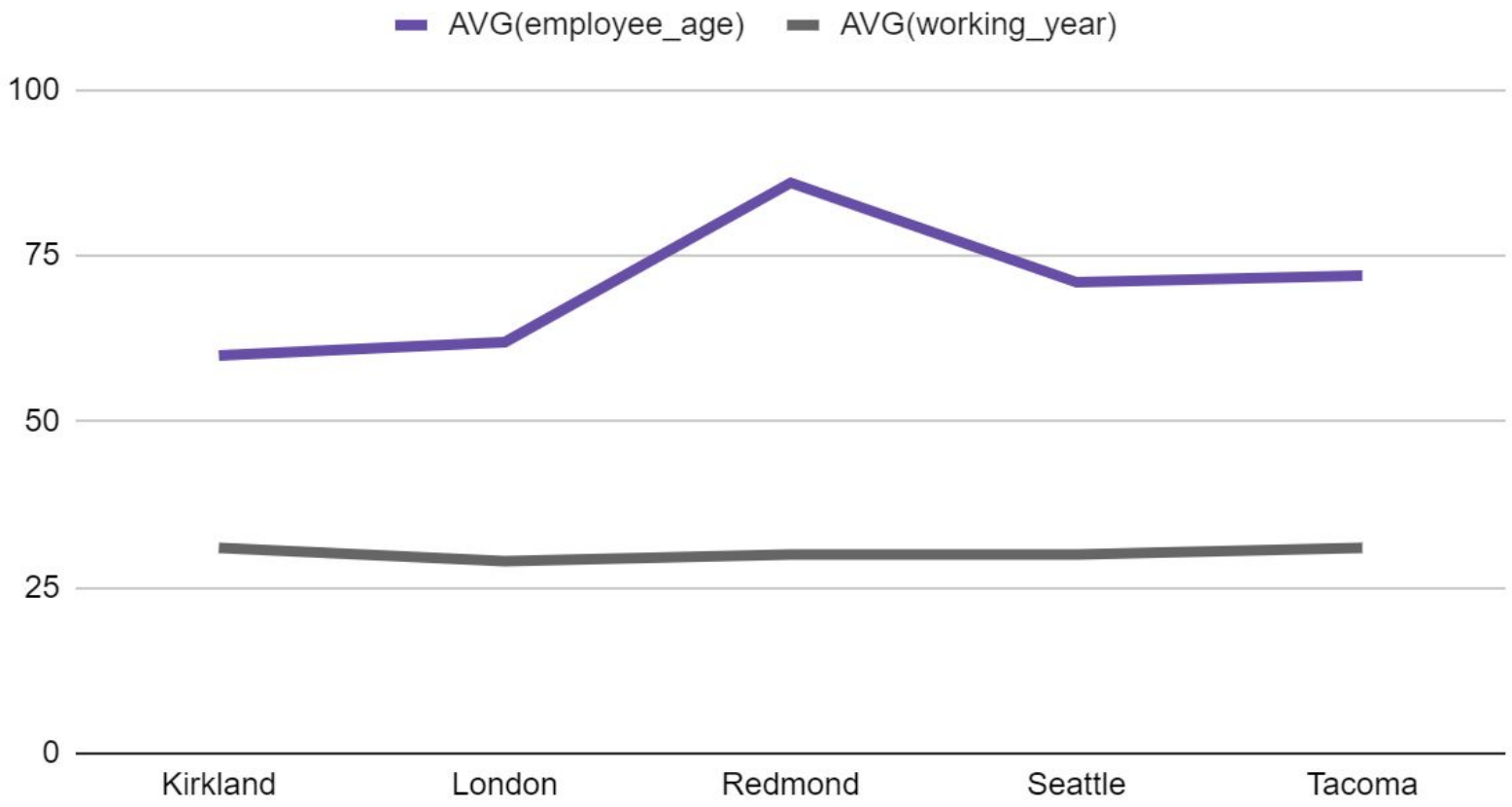

Customers' Age and Working Year
Age
Working Year
100
75
50
25
0
Yaer
employee_name
Ms. Davolio
Dr. Fuller
Ms. Leverling
Mrs. Peacock
Mr. Buchanan
Mr. Suyama
Mr. King
Ms. Callahan
Ms. Dodsworth
employee_city
Seattle
Tacoma
Kirkland
Redmond
London
London
London
Seattle
London
Cities

# CODE- AGE AND SENIORITY CALCULATION OF EMPLOYEES BY CITY

```
CREATE TEMP TABLE employees_calculation_temp AS
SELECT  employee_city, COUNT(EmployeeID),
MAX(employee_age), MIN(employee_age), ROUND(AVG(employee_age)),
MAX(working_year), MIN(working_year), ROUND(AVG(working_year))
FROM employees_age_temp
GROUP BY employee_city;


SELECT * FROM employees_calculation_temp;
```

| Age and Seniority Calculations of Employees by City | | | | | | | |
|---|---|---|---|---|---|---|---|
| employee_city | COUNT(EmployeeID) | MAX(employee_age) | MIN(employee_age) | AVG(employee_age) | MAX(working_year) | MIN(working_year) | AVG(working_year) |
| Kirkland | 1 | 60 | 60 | 60 | 31 | 31 | 31 |
| London | 4 | 69 | 57 | 62 | 29 | 28 | 29 |
| Redmond | 1 | 86 | 86 | 86 | 30 | 30 | 30 |
| Seattle | 2 | 75 | 66 | 71 | 31 | 29 | 30 |
| Tacoma | 1 | 72 | 72 | 72 | 31 | 31 | 31 |

# The Relationship Between Age and Seniorty



# CODE - EPLOYEES' SENIORITY AND RETIRE STATUS

```
CREATE TEMP TABLE employees_status_temp AS

SELECT  EmployeeID, employee_name, ROUND(employee_age) AS Employee_Age,

ROUND(working_year) AS Working_Year,

CASE

        WHEN working_year >= 30 THEN "Senior Staff"

        WHEN working_year < 30 AND  working_year >20 THEN "Medior Staff"

        ELSE "Junior Staff"

END AS Seniorty_Status,

CASE

        WHEN employee_age > 65 THEN "Can Retire"

        ELSE "Can't Retire"

END Retaire_Status

FROM employees_age_temp

GROUP BY EmployeeID;
```

| Seniorty And Retirement Status | | | | | |
|---|---|---|---|---|---|
| EmployeeID | employee_name | Employee_Age | Working_Year | Seniorty_Status | Retaire_Status |
| 1 | Ms. Davolio | 75.0 | 31.0 | Senior Staff | Can Retaire |
| 2 | Dr. Fuller | 72.0 | 31.0 | Senior Staff | Can Retaire |
| 3 | Ms. Leverling | 60.0 | 31.0 | Senior Staff | Can't Retaire |
| 4 | Mrs. Peacock | 86.0 | 30.0 | Senior Staff | Can Retaire |
| 5 | Mr. Buchanan | 69.0 | 29.0 | Medior Staff | Can Retaire |
| 6 | Mr. Suyama | 60.0 | 29.0 | Medior Staff | Can't Retaire |
| 7 | Mr. King | 63.0 | 29.0 | Medior Staff | Can't Retaire |
| 8 | Ms. Callahan | 66.0 | 29.0 | Medior Staff | Can Retaire |
| 9 | Ms. Dodsworth | 57.0 | 28.0 | Medior Staff | Can't Retaire |