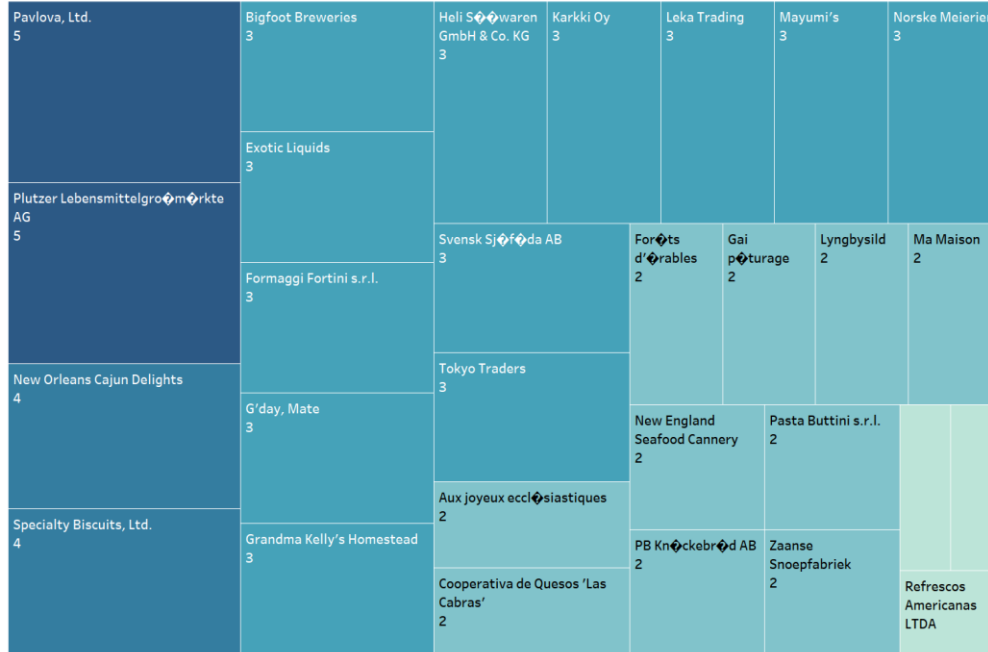


Food Retailer Analysis

Create reports using SQL queries to generate insights on various aspects of a wholesaler (hypothetical) of food products

Which companies supply my products?

Suppliers vs. Products



Query:

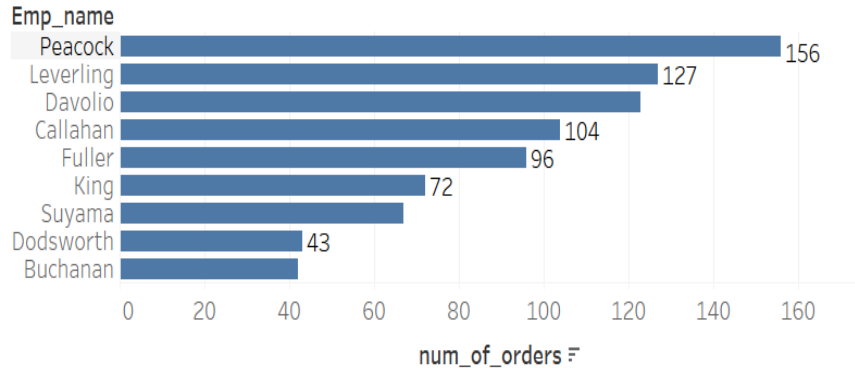
```
SELECT s.companyname supplier_name, COUNT(productid)
prod_num FROM Suppliers s
JOIN Products p
ON s.supplierid = p.supplierid
GROUP BY supplier_name
ORDER BY prod_num DESC
```

Description:

The chart shows all the suppliers and how many products each of them provide. 5 products is the maximum and two companies supply 5 products, namely, Pavlova and Plutzer

Who are my top three employees?

Employees/ Number of Orders



Query:

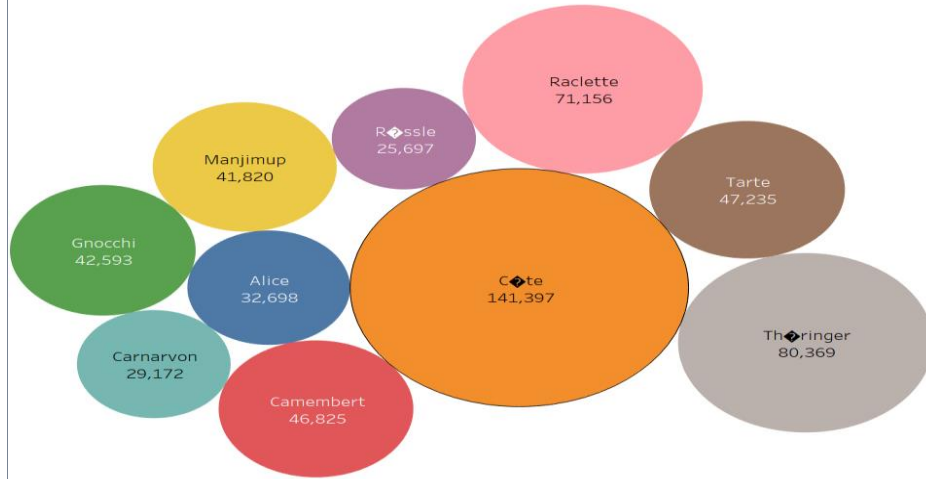
```
SELECT e.lastname emp_name, COUNT(*) num_of_orders
FROM orders o
JOIN employees e
    ON o.employeeid = e.employeeid
GROUP BY emp_name
ORDER BY num_of_orders DESC
```

Description:

The chart shows all the employees and the number of orders they have handled. Margaret Peacock is the top performing employees by the number of orders with 156 orders, next two are Janet Leverling with 127 orders and Nancy Davolio with 104 orders.

What are my top 10 popular products?

Top Products by Sales



Query:

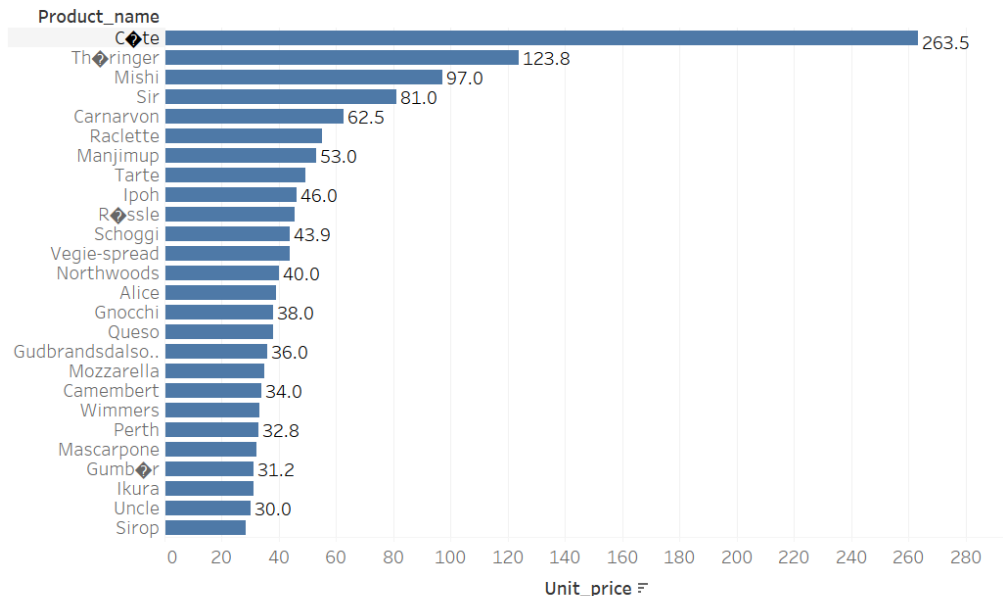
```
WITH t1 as (SELECT p.productname,  
count(od.orderid)num_orders,  
SUM(od.unitprice*od.quantity*(1-od.discount)) total_sales  
FROM Products p  
JOIN OrderDetails od  
ON p.productid = od.productid  
GROUP BY 1  
ORDER BY 3 DESC  
LIMIT 10)
```

Description:

The bubble chart shows the top ten products by sales for the company. The most sold product is Carte with \$141,397 in sales.

Which products are costlier than average?

Costlier than average products



Query:

```
WITH t1 as (select round(AVG(UnitPrice),2) as average_price
from OrderDetails) ,
t2 as ( SELECT * FROM Products p JOIN OrderDetails od
ON p.productid = od.productid )
```

```
SELECT t2.productname, t2.unitprice
FROM t2 WHERE t2.unitprice > (SELECT * FROM t1)
GROUP BY 1
ORDER BY 2 DESC
```

Description:

The chart shows 26 products whose unit price exceeds the average unit price across all products. The costliest product Carte is \$263.5/unit is >10x the average price of \$26.2/unit and >2x times the Tharinger the second costliest product