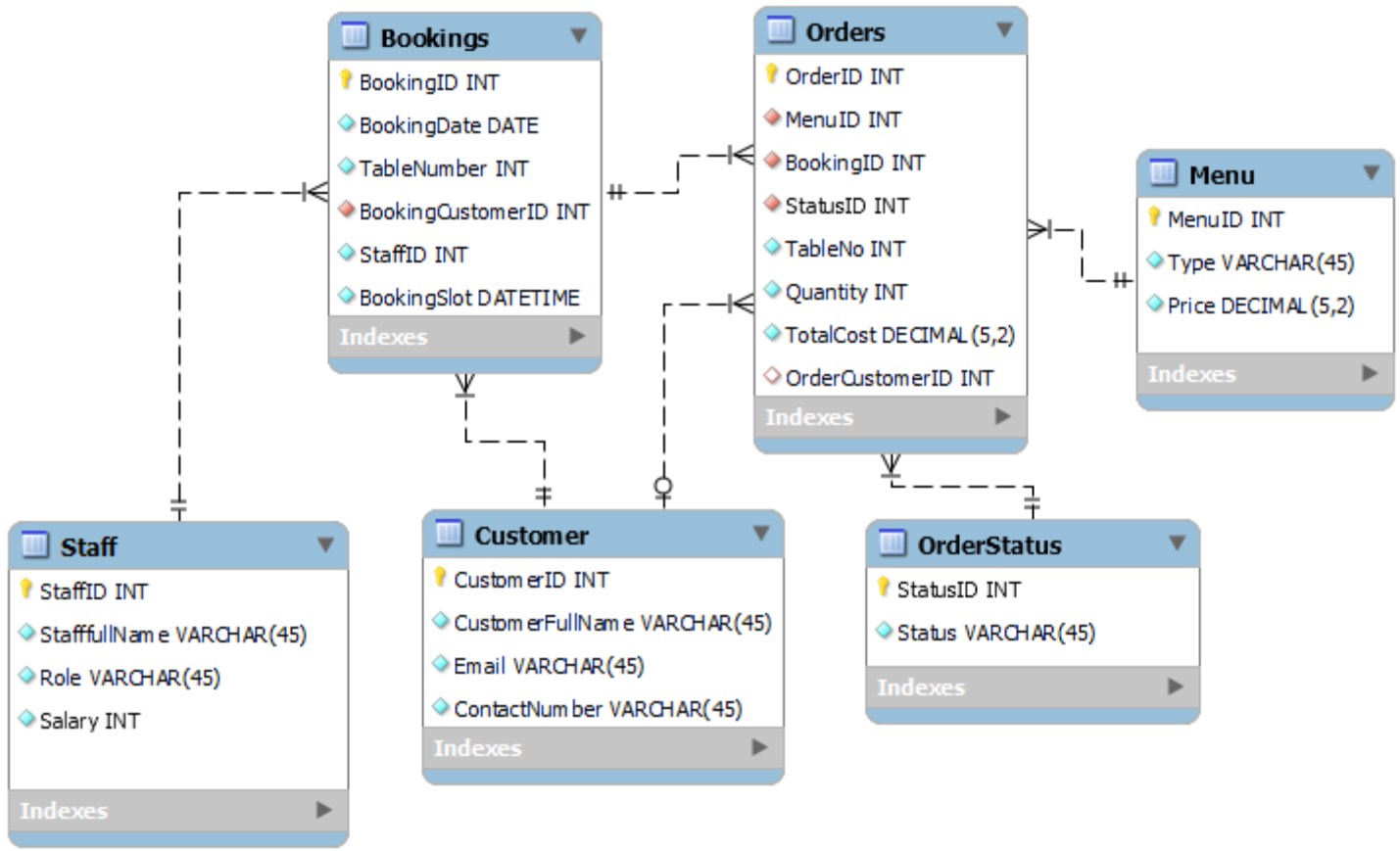
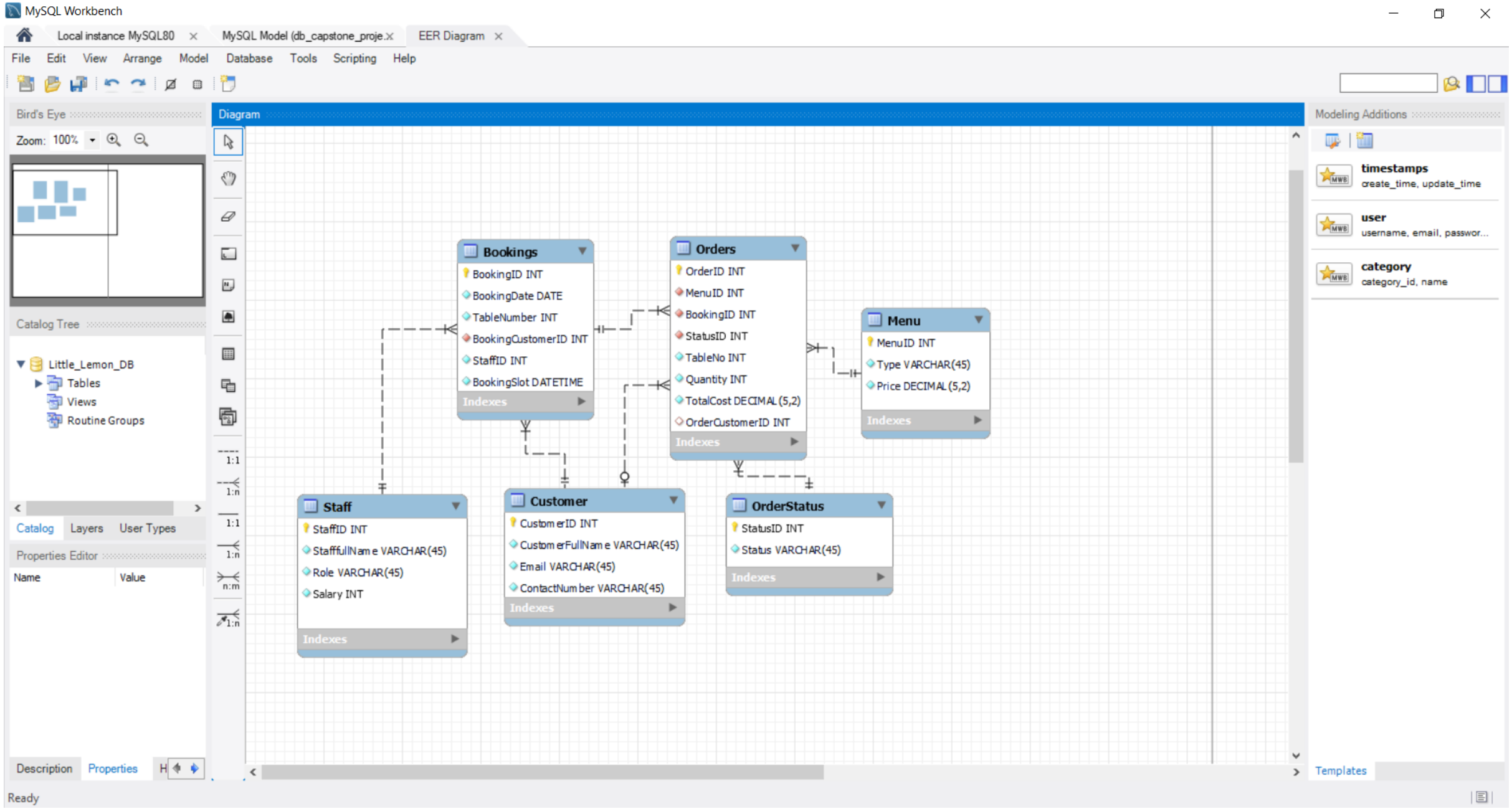

Bookings
BookingID INT
BookingDate DATE
TableNumber INT
BookingCustomerID INT
StaffID INT
BookingSlot DATETIME
Indexes
Orders
OrderID INT
MenuID INT
BookingID INT
StatusID INT
TableNo INT
Quantity INT
TotalCost DECIMAL(5,2)
OrderCustomerID INT
Indexes
Menu
MenuID INT
Type VARCHAR(45)
Price DECIMAL(5,2)
Indexes
Staff
StaffID INT
StafffullName VARCHAR(45)
Role VARCHAR(45)
Salary INT
Indexes
Customer
CustomerID INT
CustomerFullName VARCHAR(45)
Email VARCHAR(45)
ContactNumber VARCHAR(45)
Indexes
OrderStatus
StatusID INT
Status VARCHAR(45)
Indexes


MySQL Workbench
Local instance MySQL80
MySQL Model (db_capstone_proje...
EER Diagram
File Edit View Arrange Model Database Tools Scripting Help
Bird's Eye
Zoom: 100%
Catalog Tree
Little_Lemon_DB
Tables
Views
Routine Groups
Catalog Layers User Types
Properties Editor
Name Value
Description Properties
Diagram
Bookings
BookingID INT
BookingDate DATE
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CustomerID INT
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Email VARCHAR(45)
ContactNumber VARCHAR(45)
Indexes
OrderStatus
StatusID INT
Status VARCHAR(45)
Indexes
1:1
1:n
1:1
1:n
n:m
1:n
Modeling Additions
timestamps
create_time, update_time
user
username, email, passwor...
category
category_id, name
Templates
Ready

Tableau Public - Cuisine_Sales_Profit

File Data Window Help

Tableau Public Desktop Upgrade

Orders (Little Lemon Excel File)

Filters
1 | Edit

Connections Add

Little Lemon Excel File
Microsoft Excel

Sheets

Use Data Interpreter

Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders

Orders

Need more data?

Drag tables here to relate them. Learn more

New Union

New Table Extension

Orders | 24 fields 651 rows | 100 rows

Name
Orders

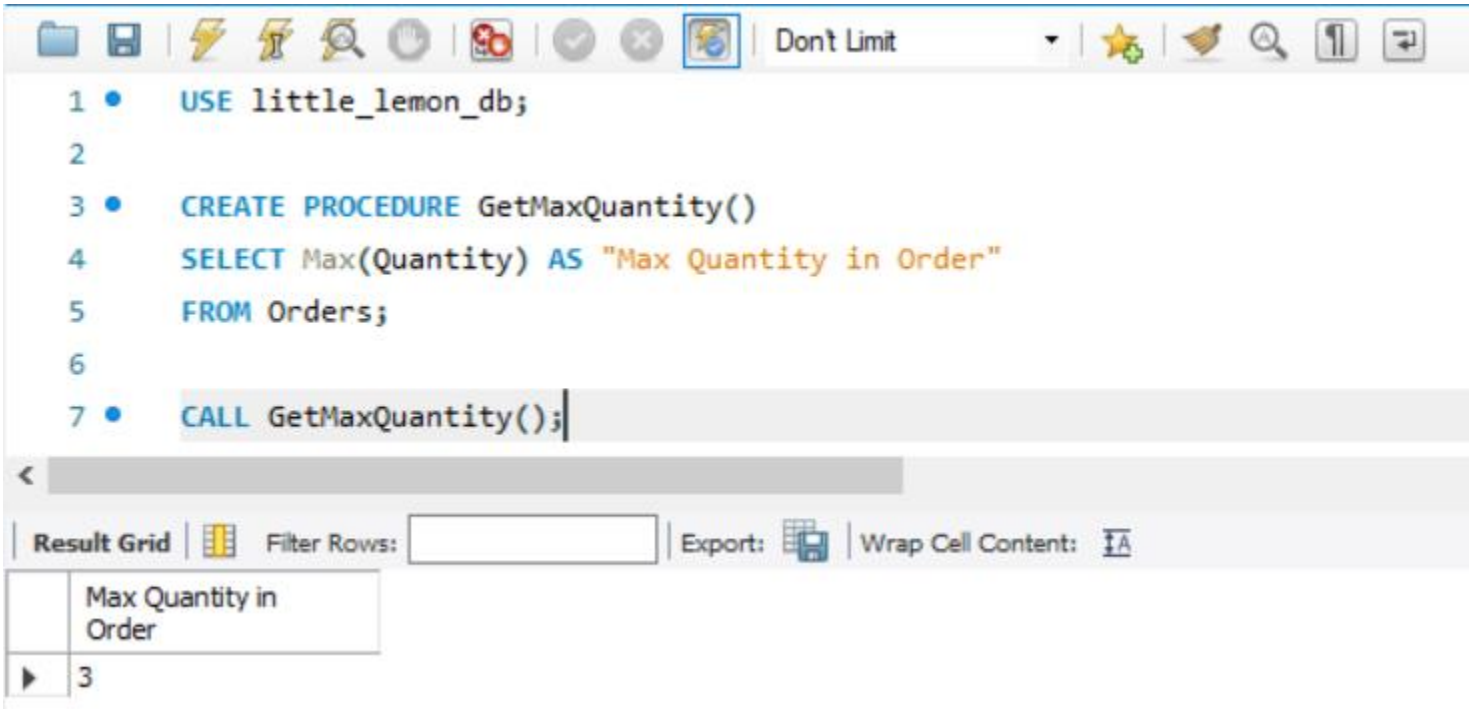
Fields

Type	Field Name	Physical Table	Remote Fie...
#	Row Number	Orders	Row Number
Abc	Order ID	Orders	Order ID
📅	Order Date	Orders	Order Date
📅	Delivery Date	Orders	Delivery Date
Abc	Customer ID	Orders	Customer ID
Abc	Customer Name	Orders	Customer N...
🌐	City	Orders	City
🌐	Country	Orders	Country
🌐	Postal Code	Orders	Postal Code

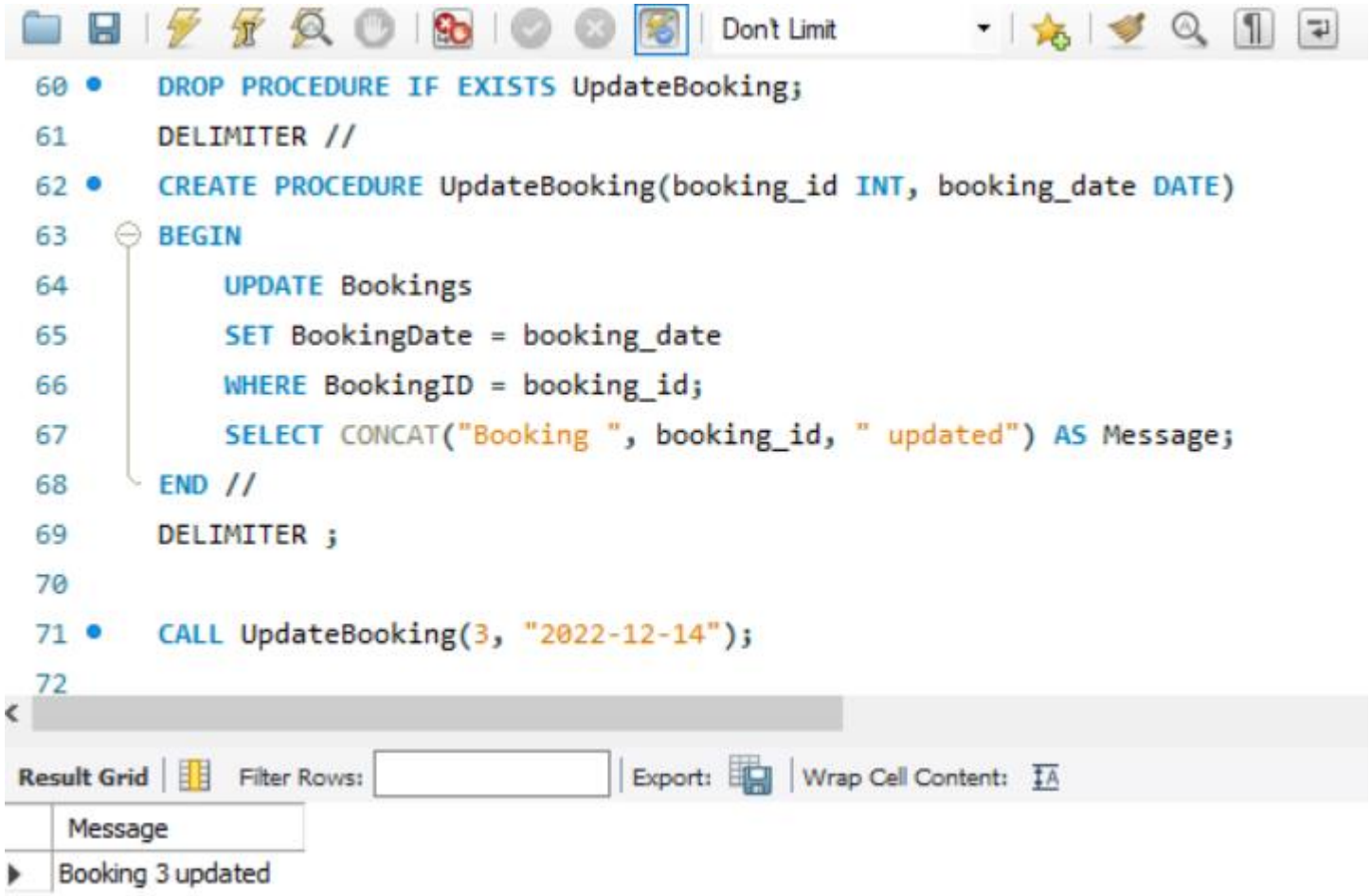
Orders Row Number	Orders Order ID	Orders Order Date	Orders Delivery Date	Orders Customer ID	Orders Customer Name	Orders City	Orders Country	Orders Postal Code	Orders Country Cod
728	99-862-6759	12/26/2021	3/28/2022	36-850-2399	Yardley Eliet	Sacramento	United Sta...	393 01	US
1728	99-862-6759	12/26/2021	3/28/2022	36-850-2399	Yardley Eliet	Sacramento	United Sta...	33720	US
2728	99-862-6759	12/26/2021	3/28/2022	36-850-2399	Yardley Eliet	Sacramento	United Sta...	3810-920	US
652	83-547-0450	4/24/2021	12/9/2022	71-908-5082	Wenona MacGinlay	Chicago	United Sta...	41693735	US
1652	83-547-0450	4/24/2021	12/9/2022	71-908-5082	Wenona MacGinlay	Chicago	United Sta...	87374262	US
2652	83-547-0450	4/24/2021	12/9/2022	71-908-5082	Wenona MacGinlay	Chicago	United Sta...	-7.41499e+07	US
689	92-859-5564	1/16/2021	3/30/2022	78-969-3391	Vale Norwood	Atlanta	United Sta...	692809	US
1689	92-859-5564	1/16/2021	3/30/2022	78-969-3391	Vale Norwood	Atlanta	United Sta...	108472265	US
2689	92-859-5564	1/16/2021	3/30/2022	78-969-3391	Vale Norwood	Atlanta	United Sta...	141903870	US
350	84-864-3249	12/18/2019	3/23/2021	75-496-8007	Tamma Clink	Charlotte	United Sta...	649-6346	US
1350	84-864-3249	12/18/2019	3/23/2021	75-496-8007	Tamma Clink	Charlotte	United Sta...	87125030	US
2350	84-864-3249	12/18/2019	3/23/2021	75-496-8007	Tamma Clink	Charlotte	United Sta...	987-0490	US
397	10-370-7784	12/9/2019	11/15/2020	01-169-3967	Susette O'Neil	Hamilton	United Sta...	25272785	US

Data Source | Sheet 1 | Sheet 2 | Sheet 3 | Sheet 4

Stored procedure **`GetMaxQuantity`**

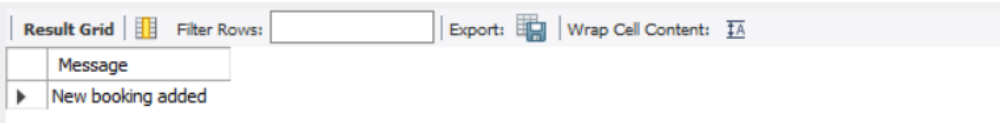


Stored procedure `UpdateBooking`



Stored procedure `AddValidBooking`

```
29  DROP PROCEDURE IF EXISTS AddValidBooking;
30  DELIMITER //
31  CREATE PROCEDURE AddValidBooking(booking_date DATE, input_table_number INT, customer_ID INT,
32                                   staff_ID INT, booking_slot DATETIME)
33  BEGIN
34      DECLARE isBooked INT DEFAULT 0;
35      START TRANSACTION;
36      INSERT INTO Bookings (BookingDate, TableNumber, BookingCustomerID, StaffID, BookingSlot)
37      VALUES (booking_date, input_table_number, customer_ID, staff_ID, booking_slot);
38
39      SELECT COUNT(*) INTO isBooked
40      FROM Bookings
41      WHERE BookingDate = booking_date AND TableNumber = input_table_number AND
42            BookingCustomerID = customer_ID AND BookingID != LAST_INSERT_ID();
43      IF isBooked > 0 THEN
44          ROLLBACK;
45          SELECT"This table is already booked - booking cancelled" AS Message;
46      ELSE
47          COMMIT;
48          SELECT"New booking added" AS Message;
49      END IF;
50  END //
51  DELIMITER ;
52
53  CALL AddValidBooking("2022-11-12", 3, 809275246, 3, "2022-11-12 20:00:00");
```



Stored procedure `CancelBooking`

```
68      DELIMITER //
69      CREATE PROCEDURE CancelBooking(booking_id INT)
70      BEGIN
71          DELETE FROM Bookings
72          WHERE BookingID = booking_id;
73          SELECT CONCAT("Booking ", booking_id, " cancelled") AS Message;
74      END //
75
76      DELIMITER ;
77
78      CALL CancelBooking(7);
79
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Message
Booking 7 cancelled

Tableau Public - Cuisine_Sales_Profit

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Public Desktop Upgrade

Standard Show Me

Data Analytics

Orders (Little Lem...

Search

Tables

- City
- Country
- Country Code
- Course Name
- Cuisine Name
- Customer First N...
- Customer ID
- Customer Last N...
- Customer Name
- Delivery Date
- Desert Name
- Drink
- Order Date
- Order ID
- Postal Code
- Row Number
- Sides
- Starter Name
- *Measure Names*
- Cost
- Delivery Cost
- Discount
- Profit
- Quantity
- Sales
- *Latitude (generat...*
- *Longitude (gener...*
- *Orders (Count)*

Pages

Filters

Customer Name

Marks

Automatic

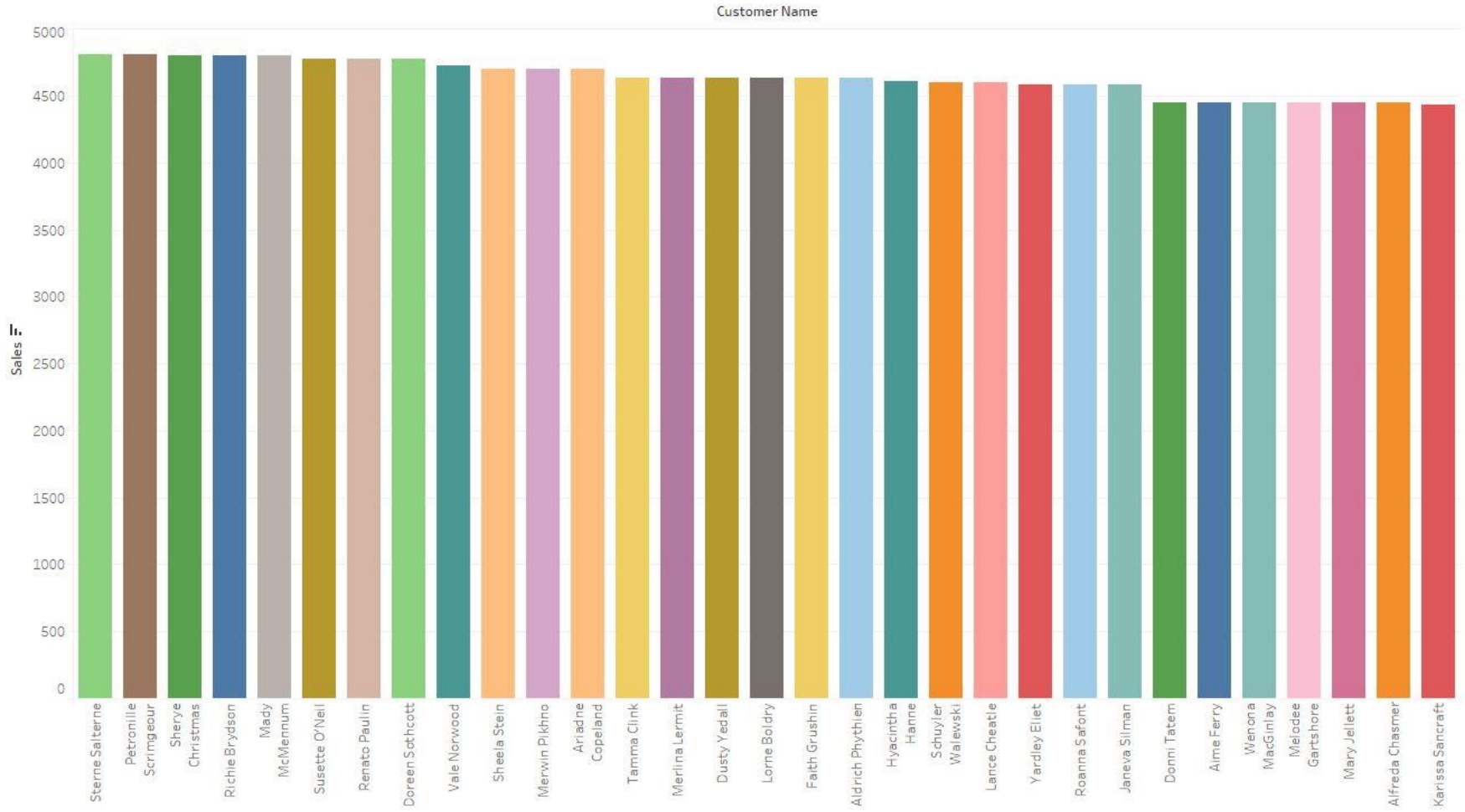
Color Size Label Detail Tooltip

Customer N..

Columns: Customer Name

Rows: SUM(Sales)

Customers sales



For **horizontal bars** try

0 or more Dimensions

1 or more Measures

- Schuyler Walewski
- Sheela Stein
- Sherye Christmas
- Sterne Salterne
- Susette O'Neil
- Tamma Clink
- Vale Norwood
- Wenona MacGinlay
- Yardley Eliet

Data Source | Sheet 1 | Sheet 2 | Sheet 3 | Sheet 4

Tableau Public - Cuisine_Sales_Profit

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- Row Number
- Sides
- Starter Name
- *Measure Names*
- Cost
- Delivery Cost
- Discount
- Profit
- Quantity
- Sales
- *Latitude (generat...*
- *Longitude (gener...*
- *Orders (Count)*

Pages

Filters

YEAR(Order Date)

Marks

Automatic

Color Size Label

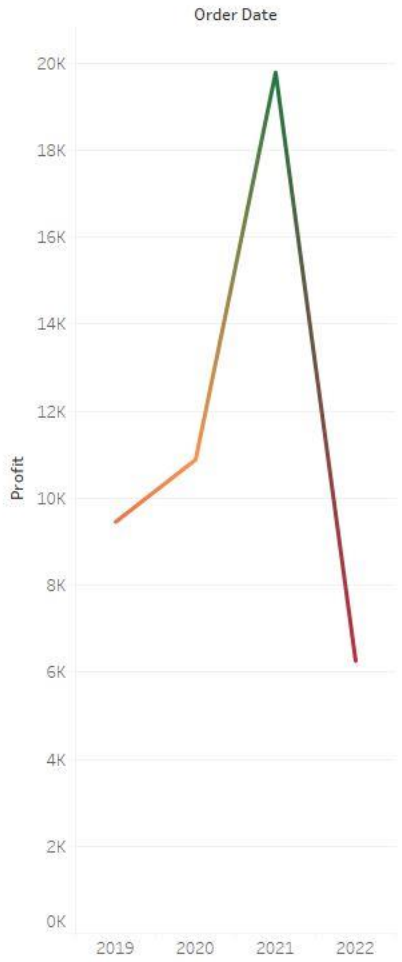
Detail Tooltip Path

SUM(Sales)

Columns YEAR(Order Date)

Rows SUM(Profit)

Profit chart



For **scatter plots** try

0 or more Dimensions

2 to 4 Measures

Data Source | Customers_sales | Sheet 2 | Sheet 3 | Sheet 4

Tableau Public - Cuisine_Sales_Profit

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Public Desktop Upgrade

Standard Show Me

Data Analytics

Orders (Little Lem...

Search

Tables

- City
- Country
- Country Code
- Course Name
- Cuisine Name
- Customer First N...
- Customer ID
- Customer Last N...
- Customer Name
- Delivery Date
- Desert Name
- Drink
- Order Date
- Order ID
- Postal Code
- Row Number
- Sides
- Starter Name
- *Measure Names*
- Cost
- Delivery Cost
- Discount
- Profit
- Quantity
- Sales
- *Latitude (generat...*
- *Longitude (gener...*
- *Orders (Count)*

Pages

Filters

Marks

Circle

Color Size Label Detail Tooltip

Customer Name
SUM(Sales)
SUM(Profit)
Customer Name

Columns

Rows

Sales Bubble Chart

For **horizontal bars** try

0 or more Dimensions

1 or more Measures

Schuyler Walewski
Sheela Stein
Sherye Christmas
Sterne Salterne
Susette O'Neil
Tamma Clink
Vale Norwood
Wenona MacGinlay
Yardley Eliet

Data Source | Customers_sales | Profit_chart | **Sales_Bubble_chart** | Sheet 4

Tableau Public - Cuisine_Sales_Profit

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Public Desktop Upgrade

Standard

Show Me

Data Analytics

Orders (Little Lem...

Search

Tables

- City
- Country
- Country Code
- Course Name
- Cuisine Name
- Customer First N...
- Customer ID
- Customer Last N...
- Customer Name
- Delivery Date
- Desert Name
- Drink
- Order Date
- Order ID
- Postal Code
- Row Number
- Sides
- Starter Name
- *Measure Names*
- Cost
- Delivery Cost
- Discount
- Profit
- Quantity
- Sales
- *Latitude (generat...*
- *Longitude (gener...*
- *Orders (Count)*

Pages

Filters

YEAR(Order Date)

Marks

Bar

Color Size Label

Detail Tooltip

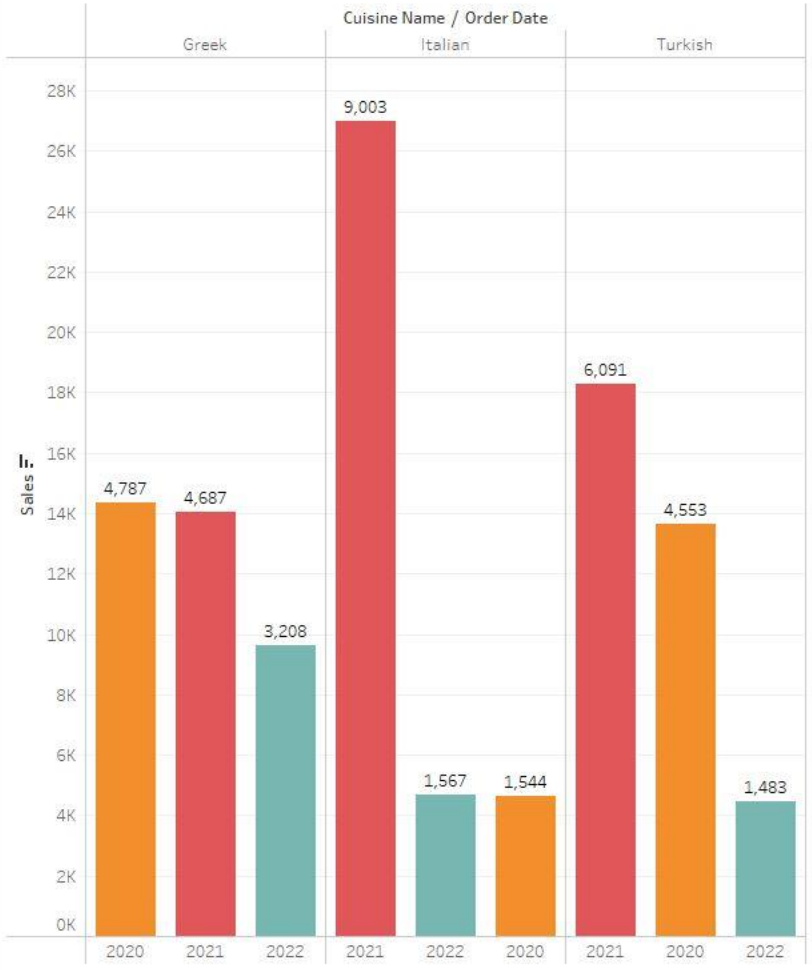
YEAR(Order Dat..

SUM(Profit)

Columns: Cuisine Name | YEAR(Order Date)

Rows: SUM(Sales)

Cuisine Sales & Profit



For **scatter plots** try

0 or more Dimensions

2 to 4 Measures

Data Source | Customers_sales | Profit_chart | Sales_Bubble_chart | Cuisine_Sales_Profit

Tableau Public - Cuisine_Sales_Profit

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Public Desktop Upgrade

Entire View Show M

Dashboard Layout

Default
Phone

Device Preview

Size

min 420x560 - max ...

Sheets

- Custome...
- Profit_ch...
- Sales_Bu...
- Cuisine_S...
- Sheet 5

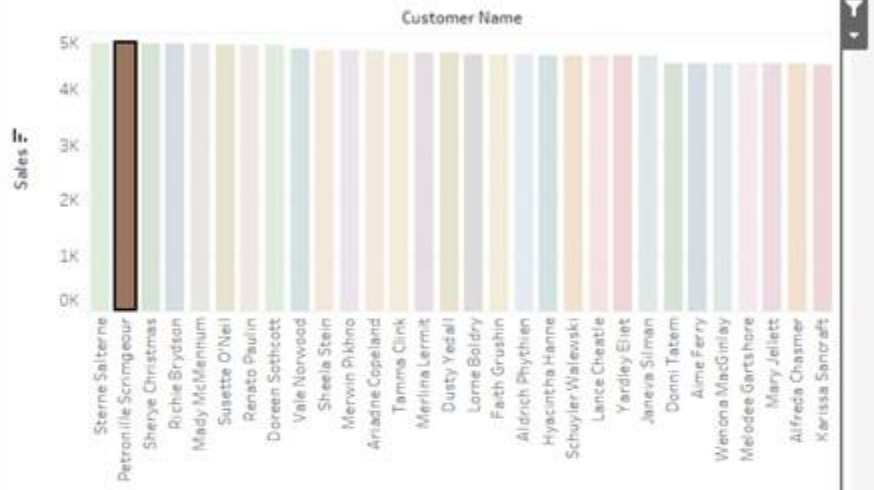
Objects

- Horizontal Container
- Vertical Container
- Text
- Extension
- Data Story
- Image
- Blank
- Workflow
- Web Page
- Navigation

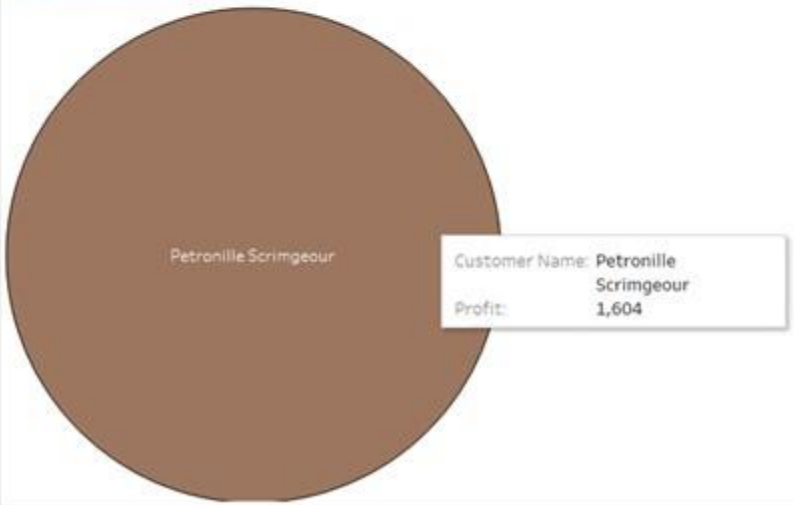
Tiled Floating

Show dashboard title

Customers sales



Sales Bubble Chart



Explain Data

Petronille Scrimgeour

Explanations

Explore underlying values for Petronille Scrimgeour

High Sum of Sales 4,812.3

Other things to explore

What is unique about Petronille Scrimgeour?

Data Source | Customers_sales | Profit_chart | Sales_Bubble_chart | Cuisine_Sales_Profit | Sheet 5 | Dashboard 1