

Prajakta Deokule

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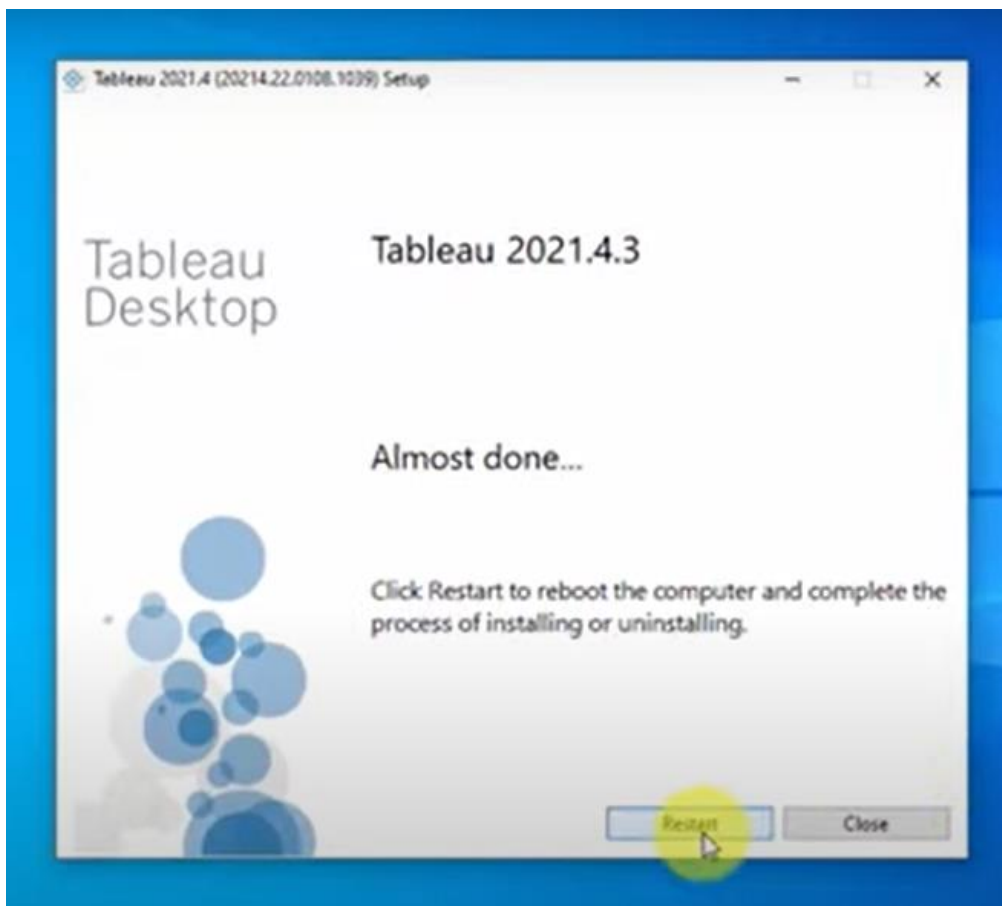
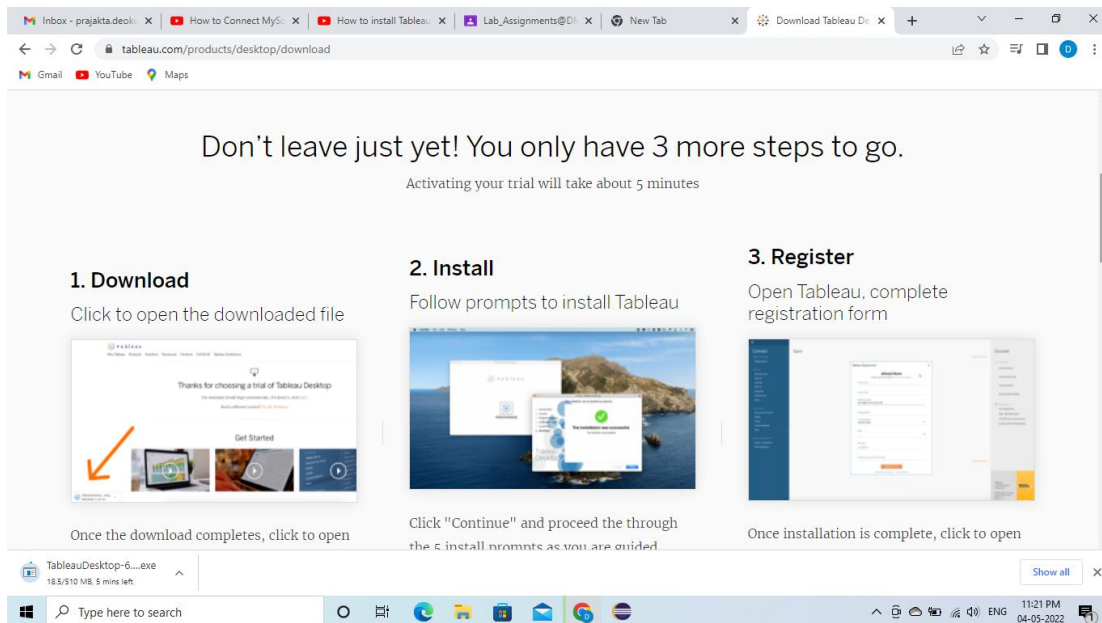
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Assignment 6

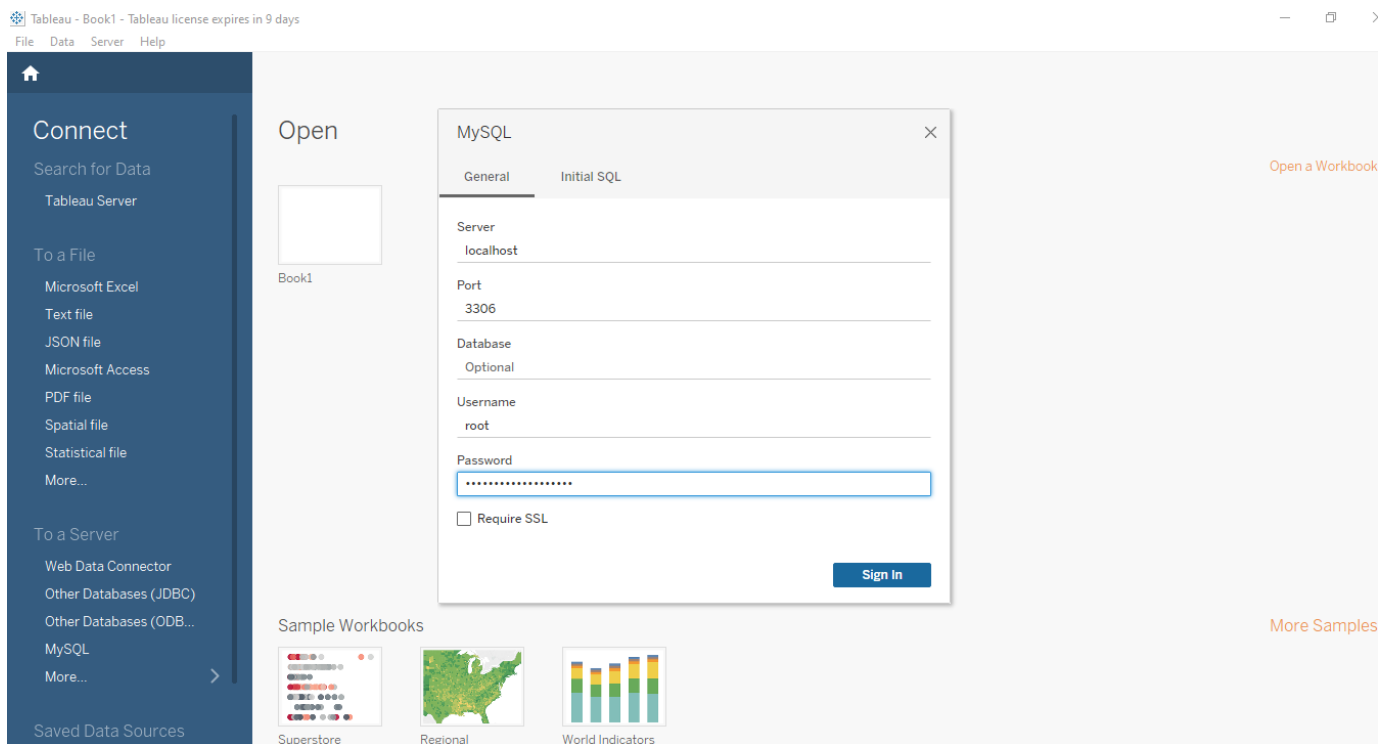
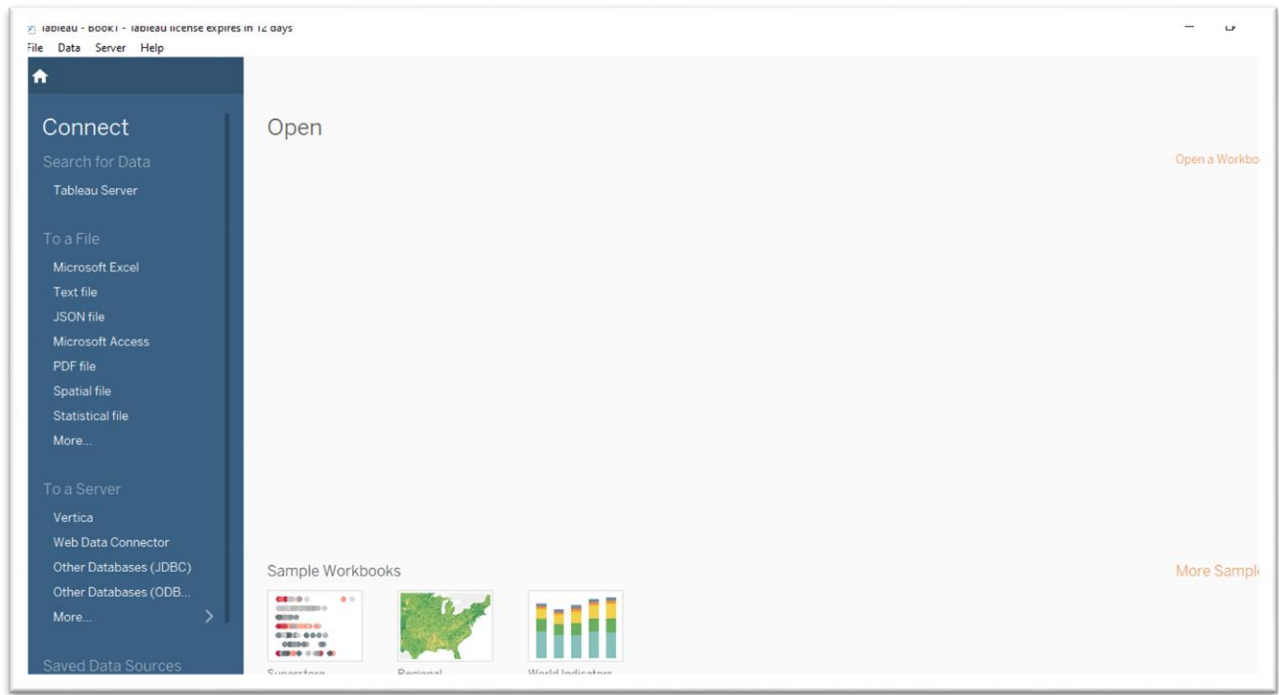
Download and install data warehousing tool Tableau. Design a data warehouse, using appropriate schema and insert data into it.

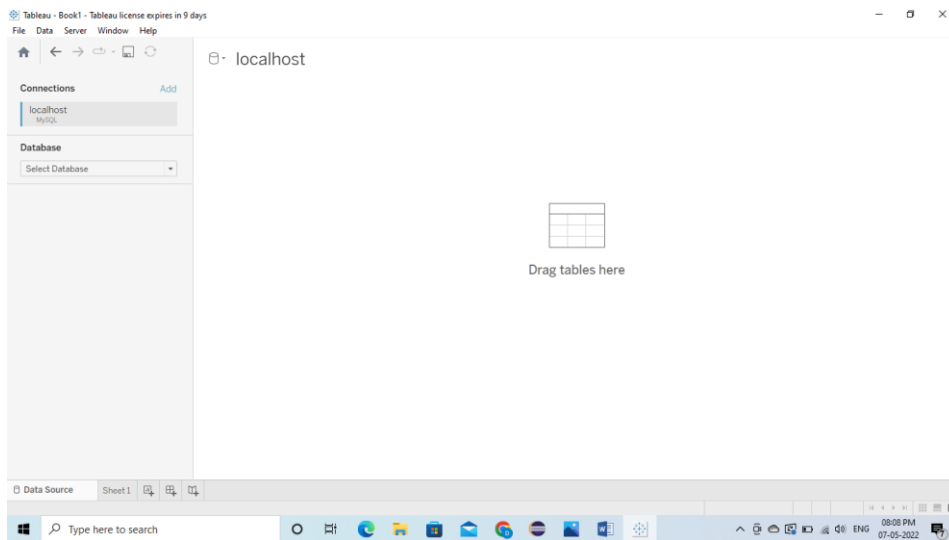
Installation of Tableau

The image displays two screenshots of the Tableau website. The top screenshot shows the Tableau Conference 2022 announcement page, featuring a man in a 'Data' cap and the text 'Check out the full lineup for Tableau Conference'. The bottom screenshot shows the Tableau Desktop product page, featuring a map visualization and the text 'Answer questions at the speed of thought with Tableau Desktop'.



Connect Tableau with MySQL:





SalesData Table

	ProductId	CustomerId	MarketId	OrderDate	TransactionID	SalesQt	SalesAmt	Currency
▶	Product1	Customer 1	Market1	2019-10-01	1	300	20000	INR
	Product2	Customer2	Market2	2020-06-19	2	30	40000	EURO
	Product3	Customer3	Market3	2019-10-09	3	150	60000	USD
	Product4	Customer4	Market4	2019-10-11	4	70	80000	INR
	Product5	Customer5	Market5	2019-10-17	5	90	70000	USD
	Product6	Customer6	Market6	2020-10-15	6	20	50000	INR
	Product7	Customer7	Market7	2020-10-14	7	40	1000	USD
	Product8	Customer8	Market8	2020-10-13	8	900	3000	EURO
	Product9	Customer9	Market9	2020-10-12	9	10	5000	INR
	Product10	Customer10	Market10	2020-10-03	10	80	7000	INR

Product Table

ProductId	ProductName
Product1	Whole Wheat
Product2	Milling Wheat
Product3	Organic Wheat
Product4	Brown Indian wheat
Product5	Lokwan wheat
Product6	Sharbati wheat
Product7	Purple wheat
Product8	Duram wheat
Product9	White Winter wheat
Product10	Red winter wheat

Customer Table

CustomerId	CustomerName	CustomerType
Customer 1	Surge Stores	Wholesale wheat buyer
Customer2	Nomad Stores	Wholesale wheat buyer
Customer3	Nizam Exports	Wholesale wheat buyer
Customer4	Murlidhar Sons	Wholesale wheat buyer
Customer5	Bansilal Stores	Wholesale wheat buyer
Customer6	Pooja Traders	Wholesale wheat buyer
Customer7	Rathna Traders	Wholesale wheat buyer
Customer8	RR Enterprise	Wholesale wheat buyer
Customer9	Farm Agro Products	Wholesale wheat buyer
Customer10	Premium Stores	Wholesale wheat buyer

MarketId	MaketZone
Market1	Pune
Market2	Mumbai
Market3	Chennai
Market4	Bhopal
Market5	Bengaluru
Market6	Luknow
Market7	Surat
Market8	Patna
Market9	Chandigarh
Market10	Delhi

Designing the data warehouse:

Subject: Focuses on sales data

Fact table: Here the SalesData table becomes the fact table as it has keys to all the other tables.

Dimension tables: Market, Product, Customer

Measures: SalesQt , SalesAmt , Currency ,OrderDate

Chosen schema and justification: Star

1. Simple to design

2. Easy to implement

3. Faster query processing

Tableau - Book1 - Tableau license expires in 8 days

File Data Server Window Help

Connections: localhost MySQL

Database: mysql

Table: replication...ber_actions, role_edges, sales, salesdata, server_cost, servers, slave_master_info, slave_relay_log_info, slave_worker_info, slow_log, tables_priv, time_zone, time zone leap second, New Custom SQL, New Union

salesdata (mysql)

Connection: Live Extract

Filters: 0 Add

salesdata 8 fields 10 rows

Product Id	Customer Id	Market Id	Order Date	Transaction ID	Sales Qt	Sales Amt	Currency
Product1	Customer1	Market1	01-10-2019	1	300	20,000	INR
Product2	Customer2	Market2	19-06-2020	2	30	40,000	EURO
Product3	Customer3	Market3	09-10-2019	3	150	60,000	USD
Product4	Customer4	Market4	11-10-2019	4	70	80,000	INR
Product5	Customer5	Market5	17-10-2019	5	90	70,000	USD
Product6	Customer6	Market6	15-10-2020	6	20	50,000	INR
Product7	Customer7	Market7	14-10-2020	7	40	1,000	USD
Product8	Customer8	Market8	13-10-2020	8	900	3,000	EURO
Product9	Customer9	Market9	12-10-2020	9	10	5,000	INR
Product10	Customer10	Market10	03-10-2020	10	80	7,000	INR

Tableau - Book1 - Tableau license expires in 8 days

File Data Server Window Help

Connections: localhost MySQL

Database: mysql

Table: market, password_history, plugin, procs_priv, product, proxies_priv, replication...ion_failover, replication...ver_managed, replication...tion_version, replication...ber_actions, role_edges, sales, salesdata, New Custom SQL, New Union

salesdata+ (mysql)

Connection: Live

customer

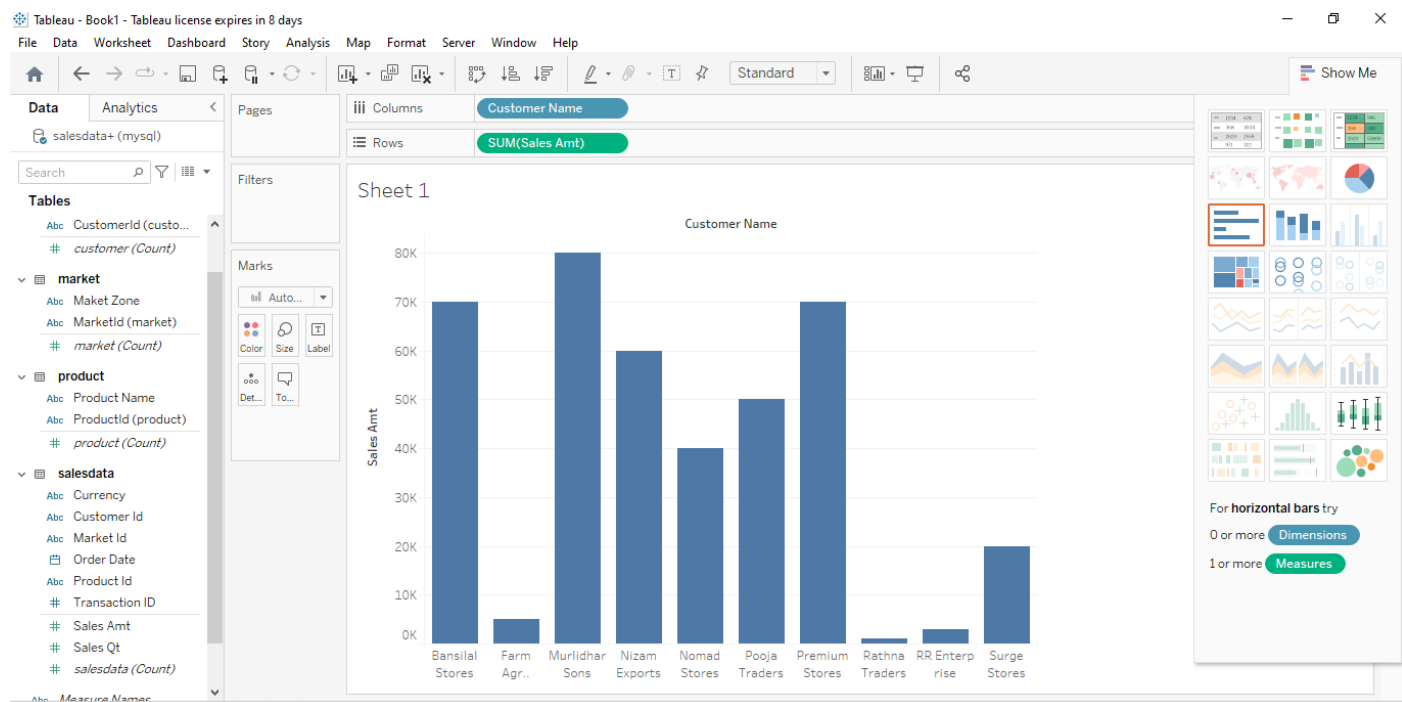
market

product

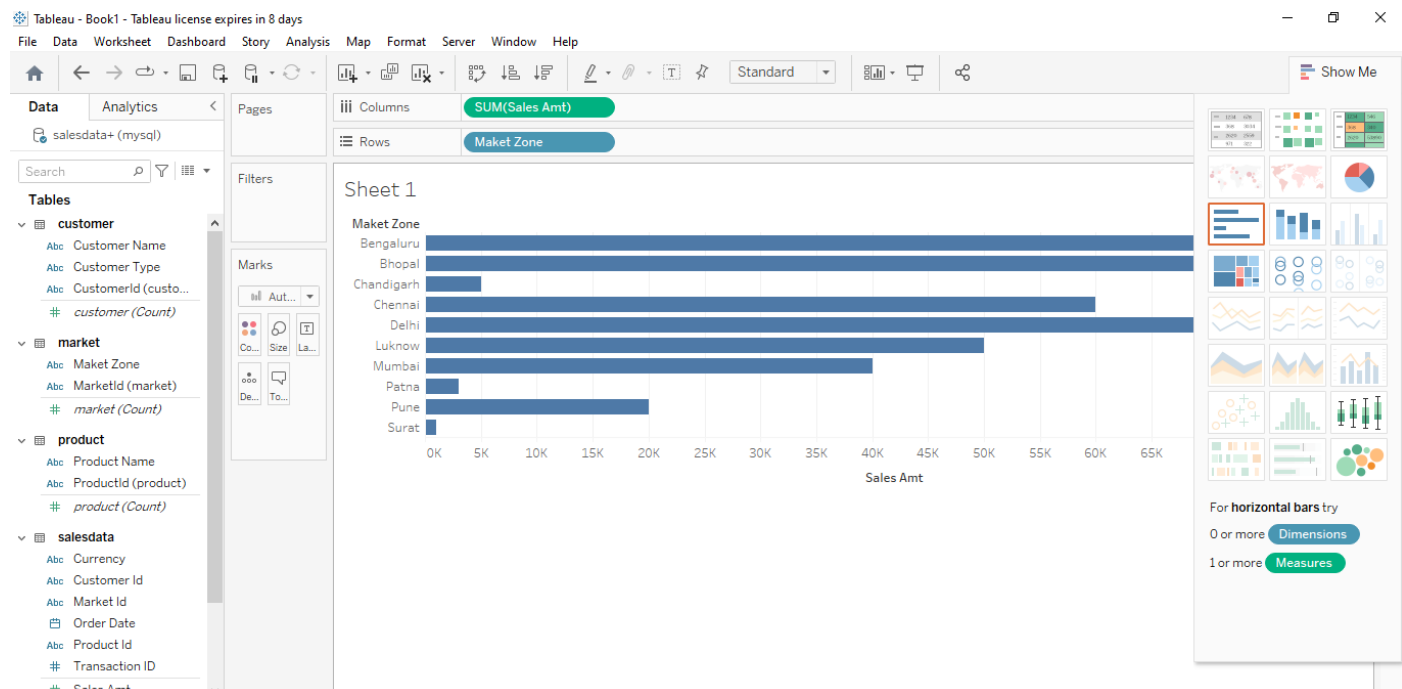
salesdata — product

ProductId (product)	Product Name
Product1	Whole Wheat
Product2	Milling Wheat
Product3	Organic Wheat
Product4	Brown Indian wheat
Product5	Lokwan wheat
Product6	Sharbati wheat

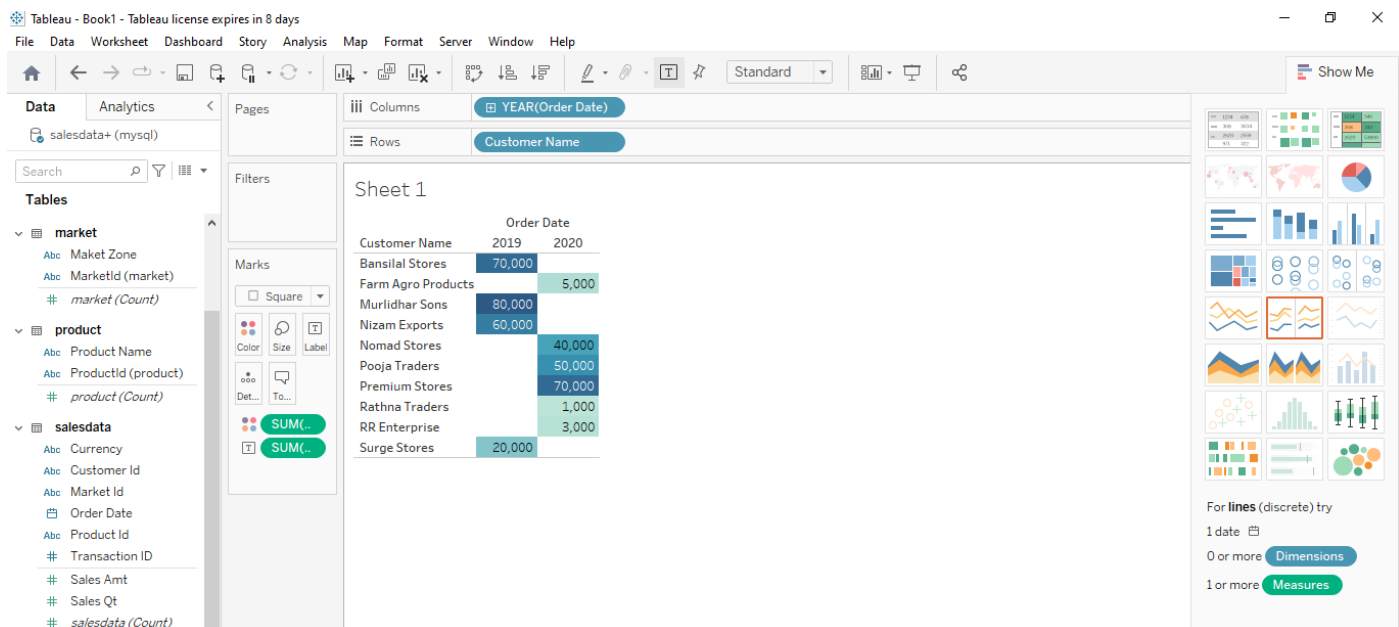
ANALYSIS



SALES AMOUNT AND CUSTOMER NAME



SALES AMOUNT IN DIFFERENT MARKET ZONES



ORDER DATE YEAR WISE AND CUSTOMER NAME

LINE CHART OF SUM OF SALES AMOUNT AND PRODUCT NAME

