PROJECT: TABLEAU DATA ANALYSIS: SALES_INSIGHTS

"Data may disappoint, but it never lies."

Step 1 : Problem Statement

Step 2 : Data Discovery

Step 3: Data Analysis Using SQL

Step 4 : Data Cleaning & ETL in Tableau

Step 5 : Build tableau Dashboard

Step 6 : Feedback From Stockholder & Profit Analysis

Mr. Sallash Sanalit

Step 1 : Problem Statement

1. Problem Statement:

- Revenue Breakdown by Cities?
- Revenue Breakdown by Year & months?
- Top 5 Customer by Revenue & sales Quantity?
- Top 5 product by Revenue Number?
- Visualization better than Spreadsheets!

Step 2: Data Discovery

Purpose

Stakeholders

AIMS GRID

Analytics and Informatics Management Systems

End Result

Success criteria

Mr. Styl





OLTP – Online Transaction Processing

SQL Shell + Workbench + Server Download Steps



https://youtu.be/hbNRULz6GFA?si=9LR644eQ1Mv6VqdM

SALLES

Step 3 : Data Analysis Using SQL

DATA ANALYSIS USING SQL

1. Show all customer records

SELECT * FROM customers;

2. Show total number of customers

SELECT count(*) FROM customers;

3. Show transactions for Chennai market (market code for chennai is Mark001

SELECT * FROM transactions where market_code='Mark001';

4. Show distrinct product codes that were sold in chennai

SELECT distinct product_code FROM transactions where market_code='Mark001';

5. Show transactions where currency is US dollars

SELECT * from transactions where currency="USD"

6. Show transactions in 2020 join by date table

SELECT transactions.*, date.* FROM transactions INNER JOIN date ON transactions.order_date=date.date where date.year=2020;

7. Show total revenue in year 2020,

SELECT SUM(transactions.sales_amount) FROM transactions INNER JOIN date ON transactions.order_date=date.date where date.year=2020 and transactions.currency="INR\r" or transactions.currency="USD\r";

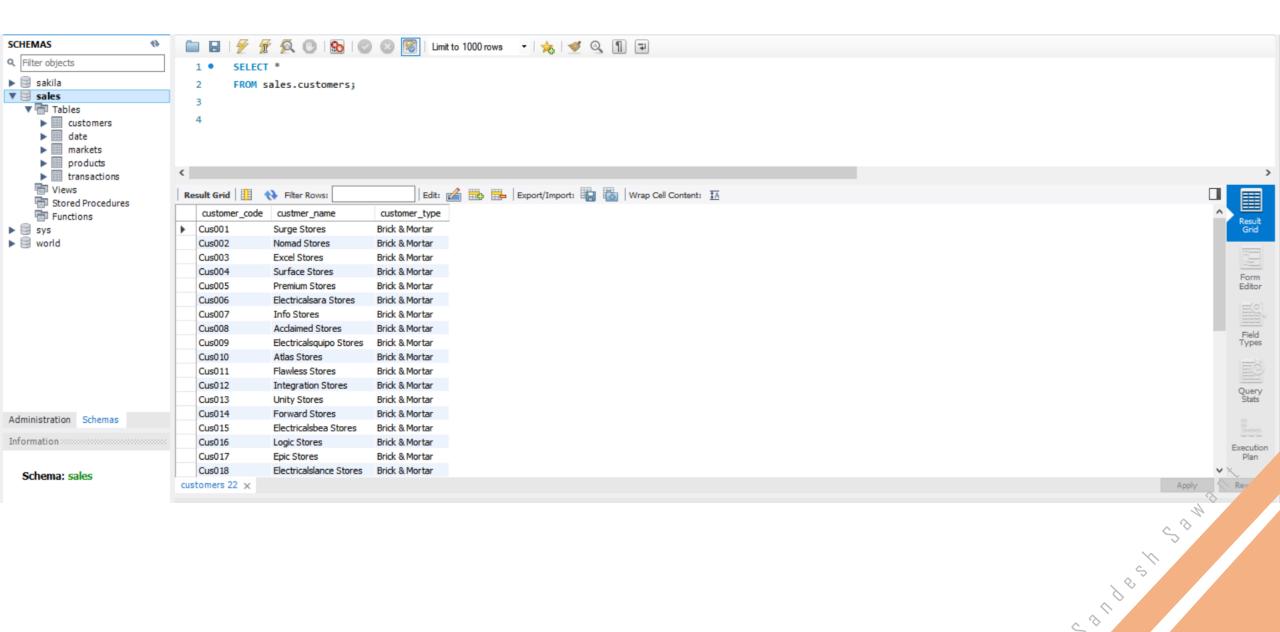
8. Show total revenue in year 2020, January Month,

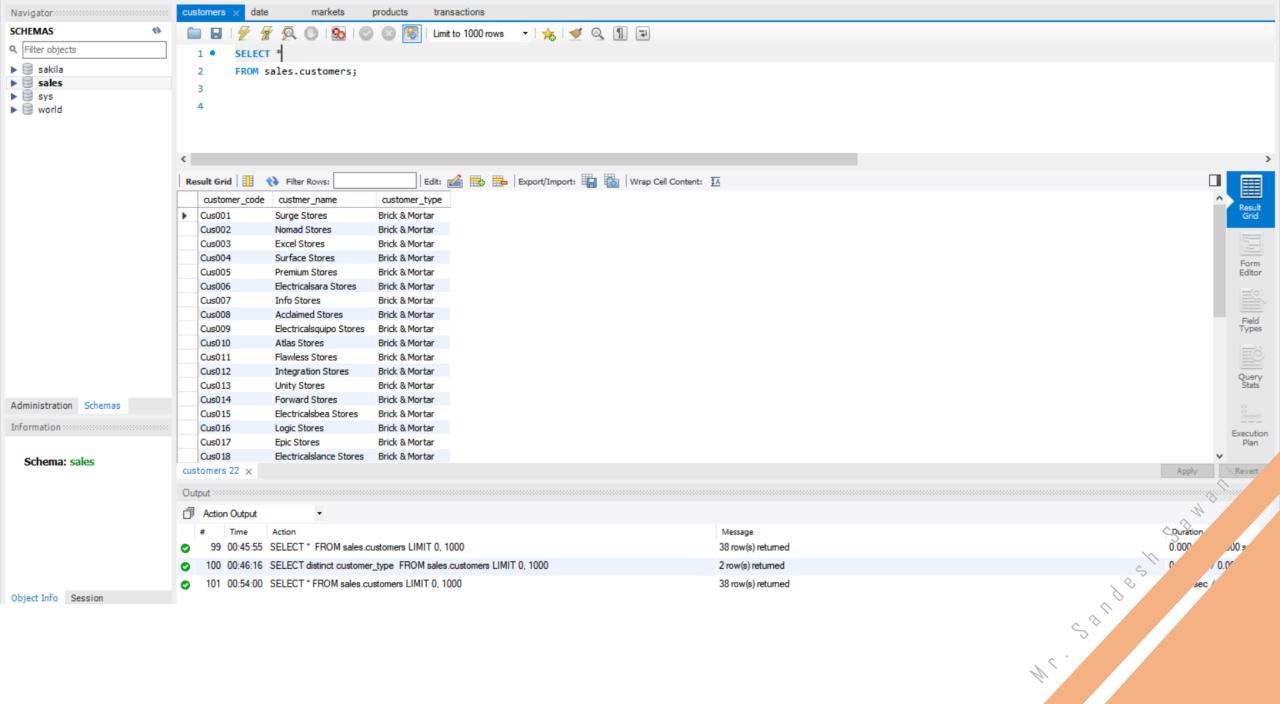
SELECT SUM(transactions.sales_amount) FROM transactions INNER JOIN date ON transactions.order_date=date.date where date.year=2020 and and date.month_name="January" and (transactions.currency="INR\r" or transactions.currency="USD\r");

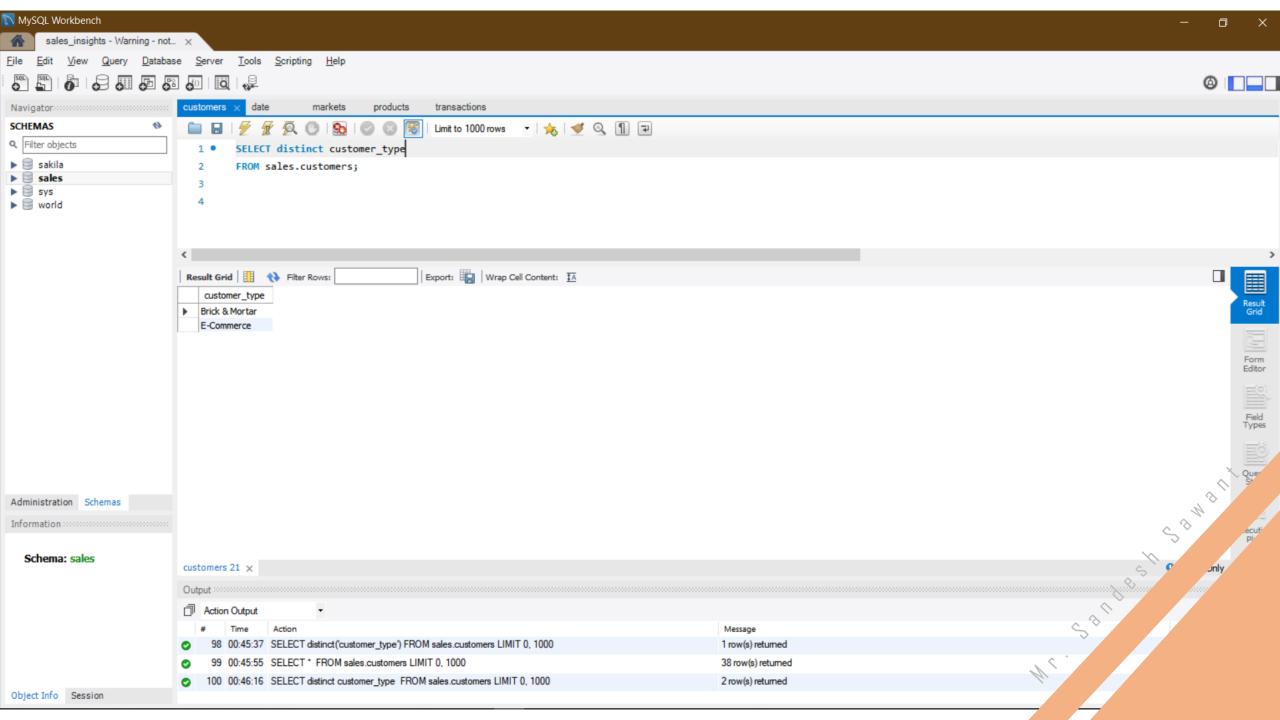
9. Show total revenue in year 2020 in Chennai

SELECT SUM(transactions.sales_amount) FROM transactions INNER JOIN date ON transactions.order_date=date.date where date.year=2020 and transactions.market_code="Mark001"; <

SAMAN







Step 4 : Data Cleaning & ETL in Tableau

Sort by Name (a-z) *

Connect

Tableau Server

Microsoft Excel

Text file

JSON file

Microsoft Access

PDF file

Spatial file

Statistical file

More...

Vertica

Web Data Connector (de...

Other Databases (JDBC)

Other Databases (ODBC)

More...

Sample - Superstore

World Indicators

O Search

Installed Connectors (71)

Actian Vector

Alibaba AnalyticDB for MySQL

Alibaba Data Lake Analytics

Alibaba MaxCompute

Amazon Athena

Amazon Aurora for MySQL

Amazon EMR Hadoop Hive

Amazon Redshift

Anaplan (deprecated)

Apache Drill

Azure Data Lake Storage Gen2

Azure SQL Database

Azure Synapse Analytics

Box

Cloudera Hadoop

Customer Data Platform (deprecated)

Databricks

Denodo (deprecated)

Dremio

Dropbox

Esri

>

Exasol

Firebird 3

Google Analytics

Google BigQuery

Google BigQuery (JDBC)

Presto

General Initial SQL

Server localhost

MySQL

Port

3306

Database

sales

Username

root

Password

Require SSL

OneDrive and SharePoint Online

Oracle

Oracle Eloqua (deprecated)

Oracle Essbase

Pivotal Greenplum Database

PostgreSQL

Other Databases (JDBC)

Other Databases (ODBC)

Additional Connectors (33) ①

Sign In

Actian JDBC by Actian

Actian ODBC by Actian

Agiloft by Agiloft

Altinity Connector for ClickHouse by Altinity Inc

Amazon DocumentDB by Amazon

Amazon S3 by Tableau

BI Connector by Guidanz Inc

Couchbase Analytics by Couchbase Analytics

Data Virtuality JDBC by Data Virtuality

Denodo JDBC by Denodo Technologies

Exasol JDBC by Exasol

Firebolt by Firebolt Analytics Inc

Google Analytics 4 by Tableau

Incorta by Incorta

Jethro ODBC by Jethro Data

Kyligence Connector by Kyligence

MarkLogic by MarkLogic

Ocient JDBC by Ocient

OpenSearch by Amazon

Oracle NetSuite by Tableau

Palantir Foundry by Palantir

Qubole Hive by Qubole

Rockset by Rockset, Inc.

SAP SuccessFactors by Tableau

ServiceNow by Tableau

Sharepoint Lists (JDBC) by Tableau

SingleStoreDB JDBC by Singlestore

Splunk by Tableau

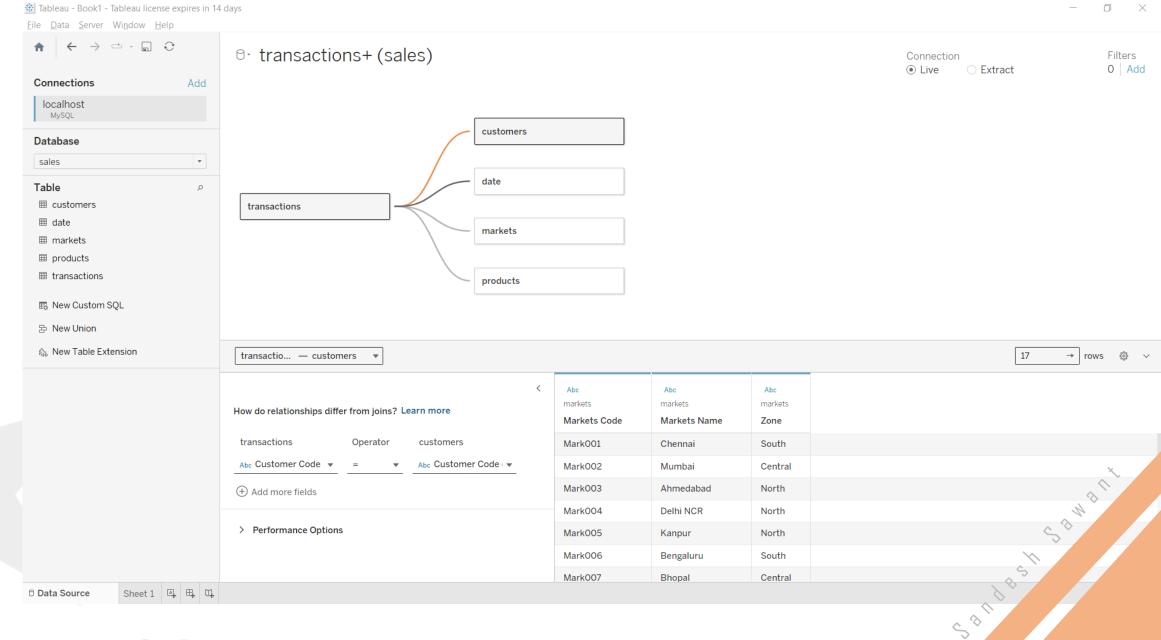
SQream DB by SQream Technologies

Starburst Enterprise by Starburst

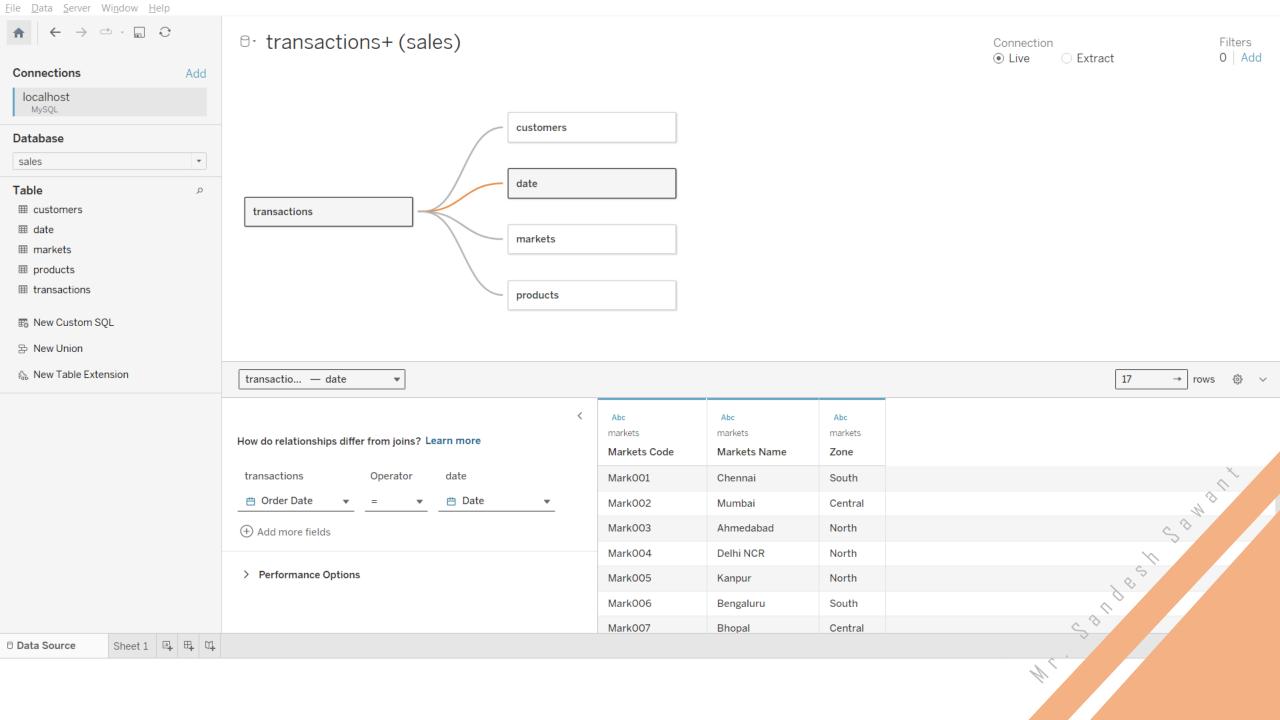
Stratio Crossdata by Stratio BD

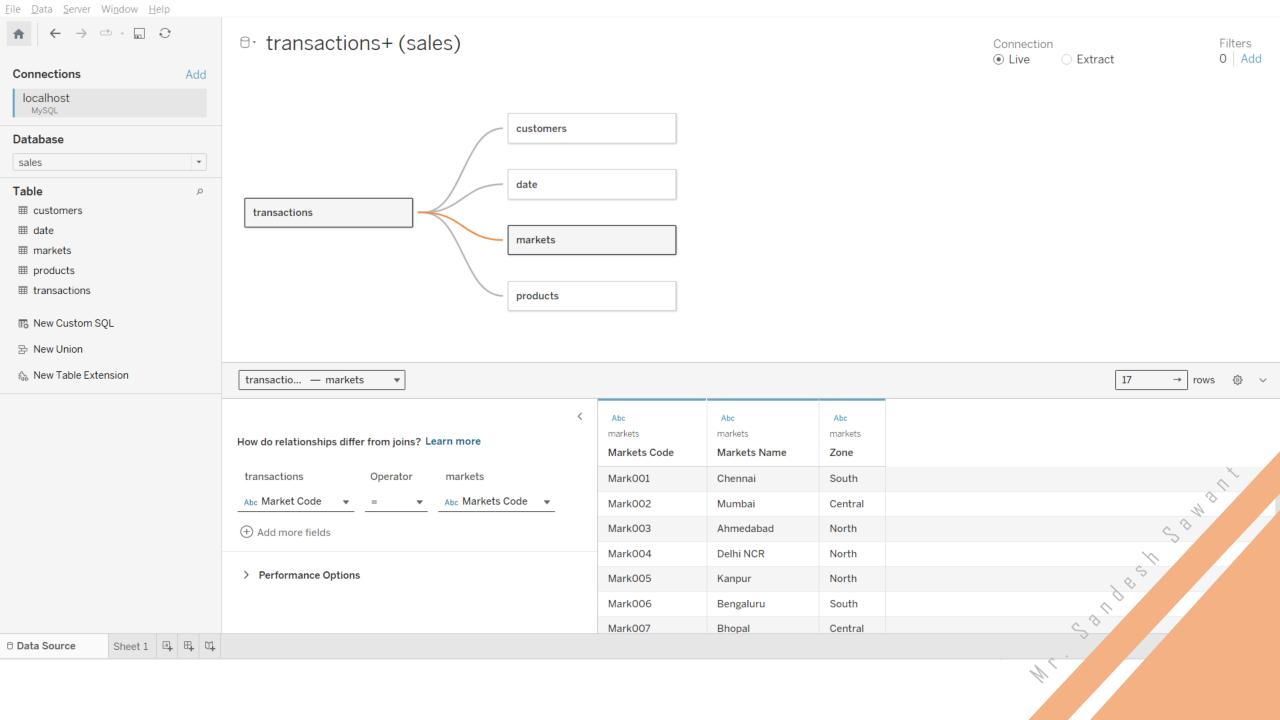
Yellowbrick by Yellowbrick Data

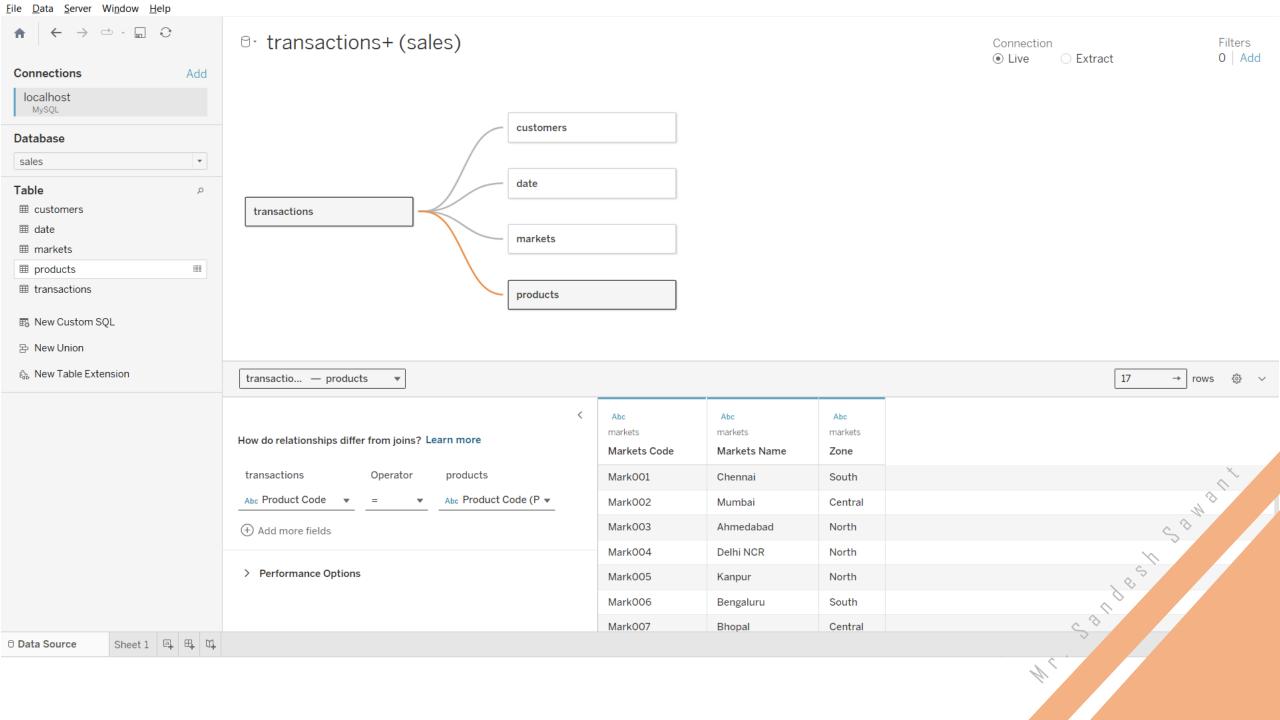
Salesforce Marketing Cloud by Tableau

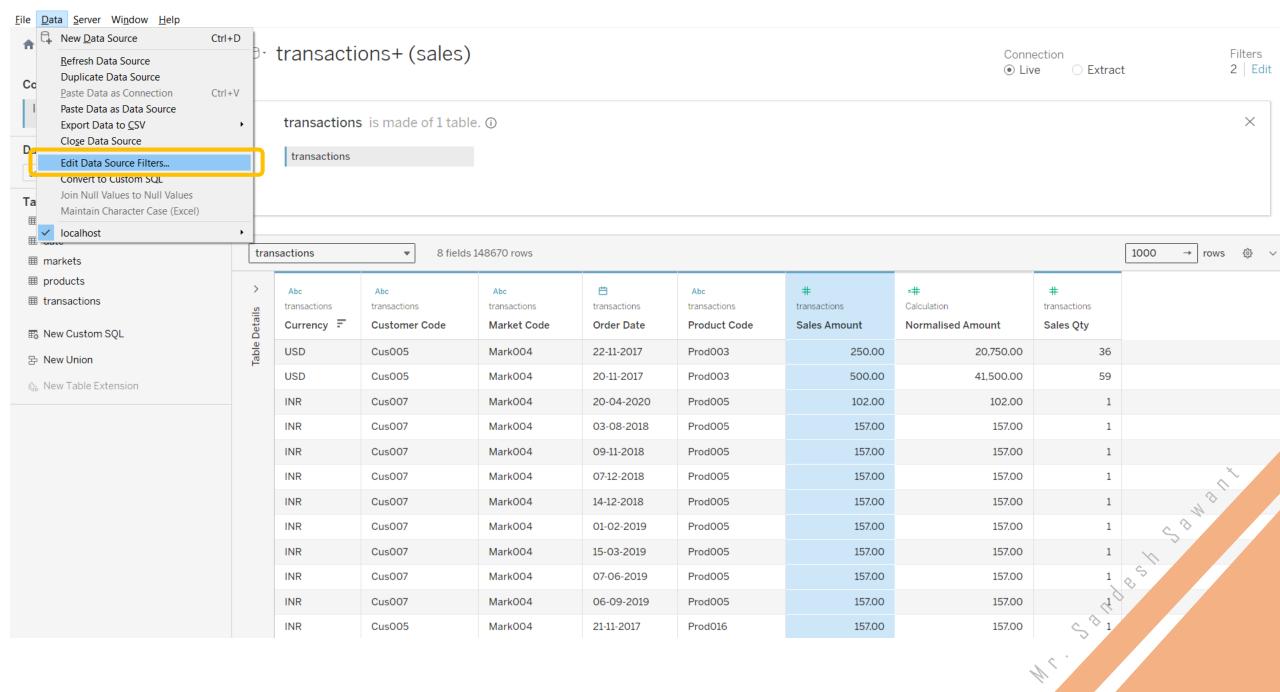


STAR SCHEMA multi-dimensional data model used to organize data in a database so that it is easy to understand and analyze.

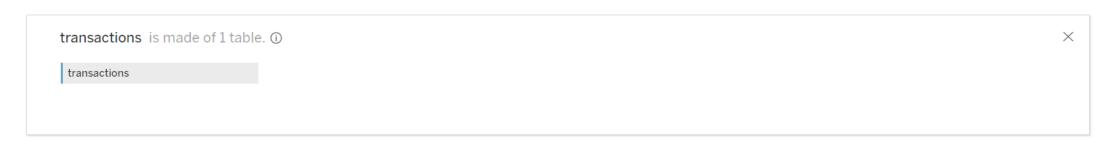


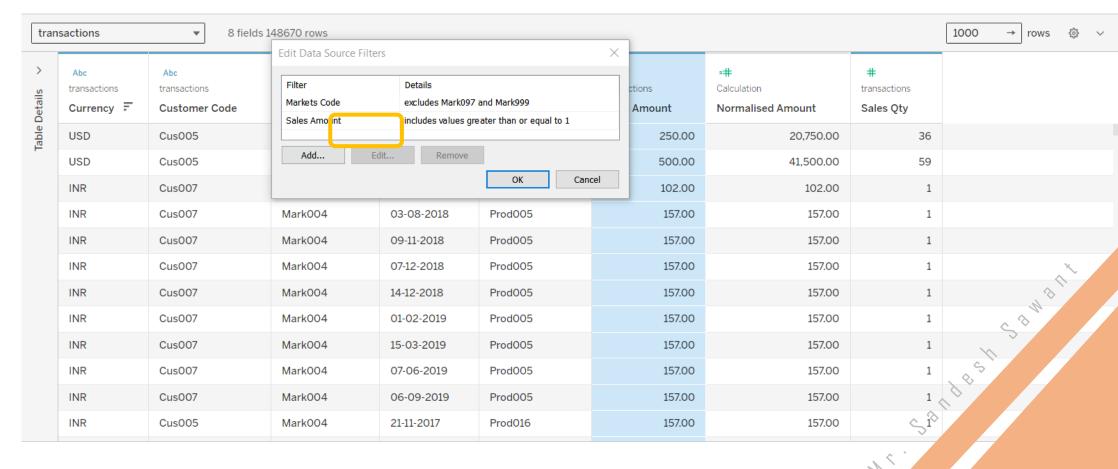


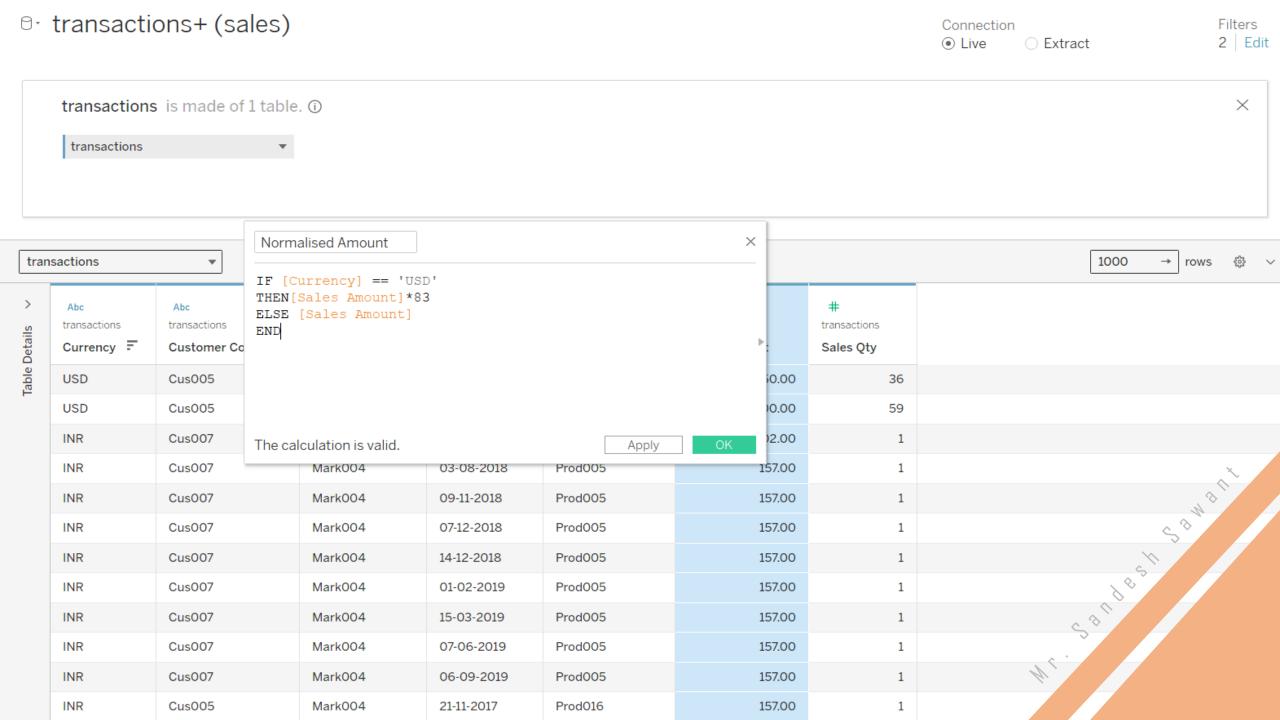


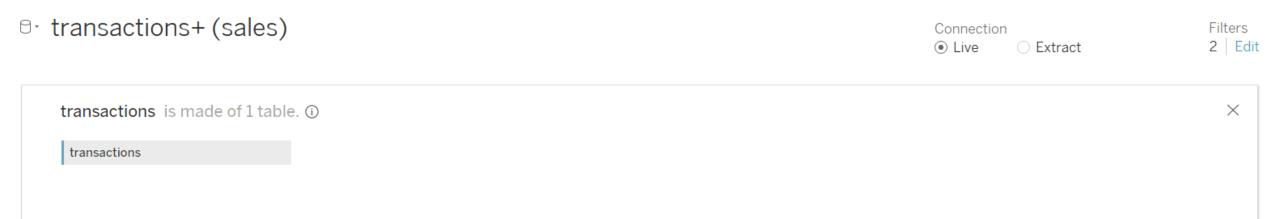


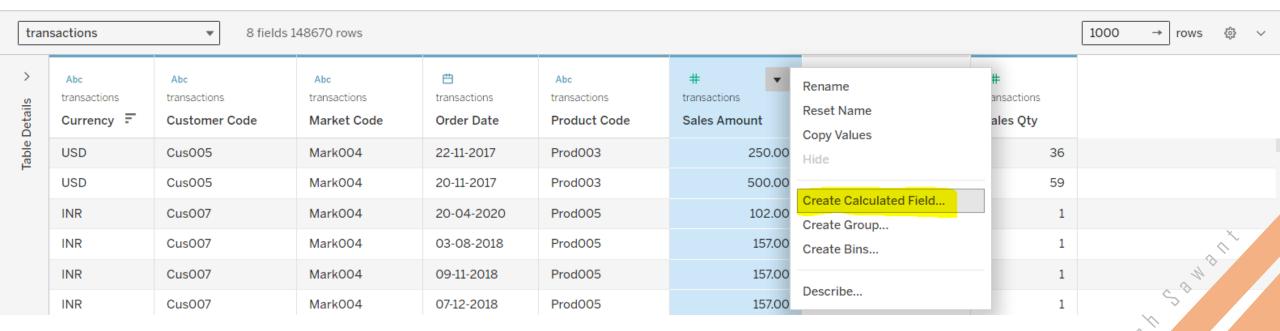
[⊖] transactions+ (sales)











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Step 5 : Build tableau Dashboard

