



Q1: Use the Superstore data to develop a visualization to show how long it takes, on average, for orders to ship (the time it takes to ship an order after the order is received) on a monthly basis. (Hint - this will require a calculation.). How does the average shipping time vary by state?

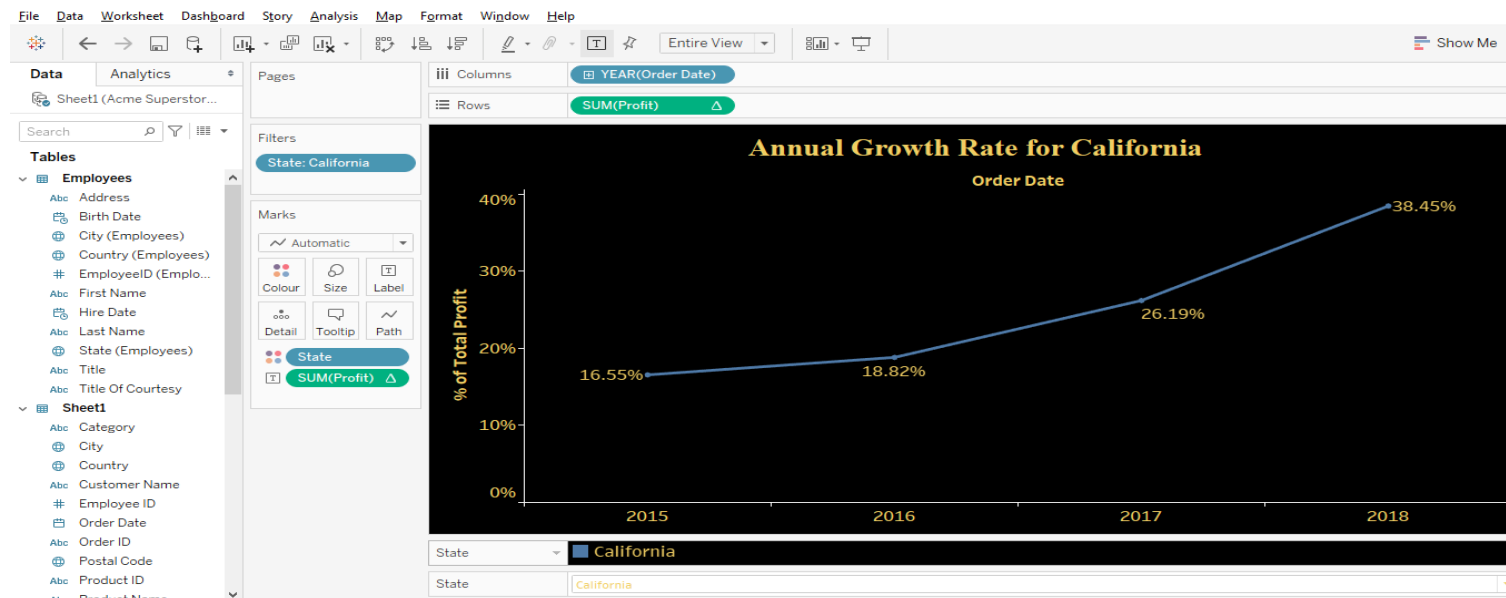
Q2: Use the Superstore data to produce a visualization to help managers understand annual growth (or lack thereof) in profit by state.

Q3: Use the Employees data to create a visualization that shows the number of customers per salesperson. Please display the salesperson's last name, not their ID. (Hint - you will need to join multiple tables so that the orders placed are attached to the employee who helped to place the order)

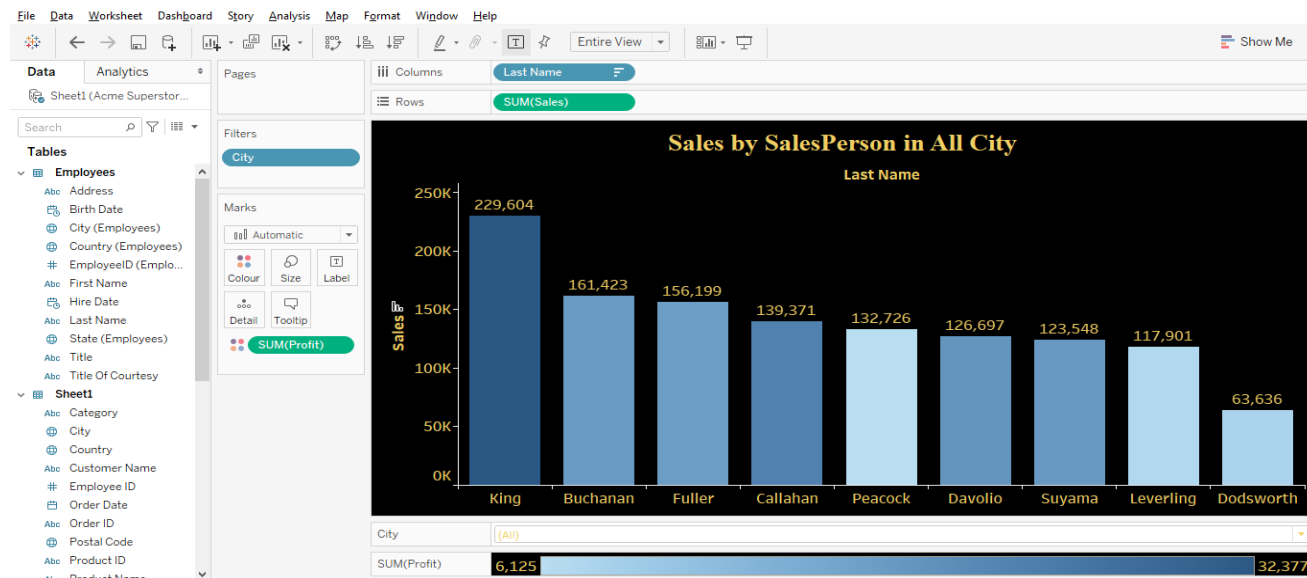
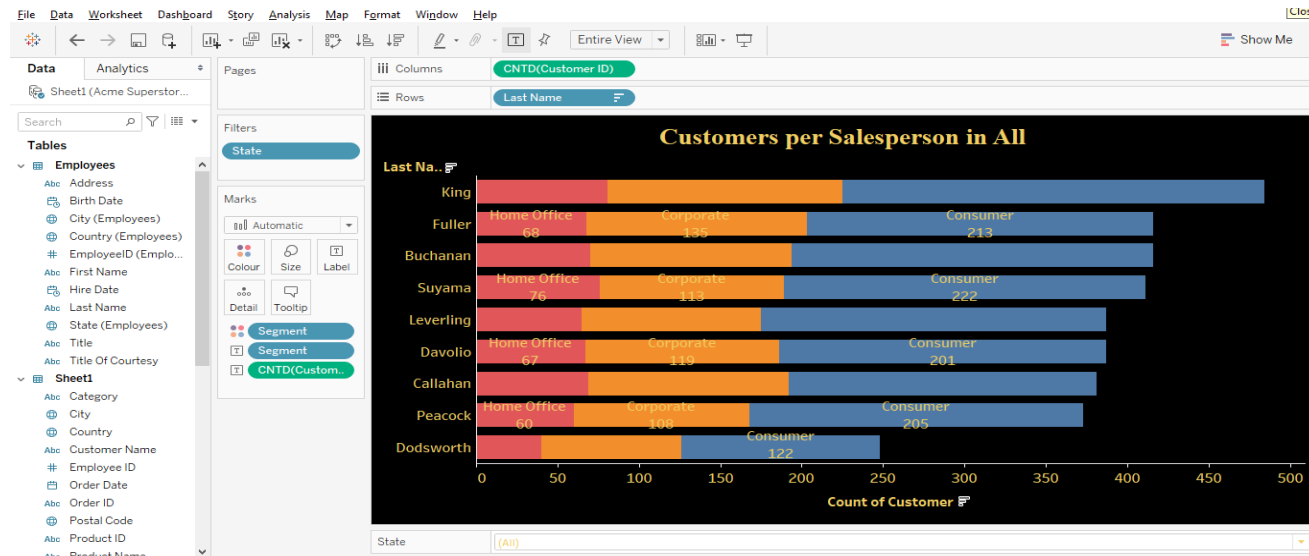
Q4: Use the Employees data to produce a visualization that shows total Sales by SalesPerson and City to analyze which salesperson is selling how much, and where they are selling.



# test



# test



# Connect using SQL Queries

Using SQL queries we can connect to you can connect to a specific query rather than the entire data set

 New Custom SQL

Edit Custom SQL

×

```
select emp.eid, NAME, CITY, DOJ, DOB, DEPT , DESI, SALARY  
FROM EMP  
INNER JOIN EMP_SAL  
ON EMP.EID=EMP_SAL.EID
```

Preview Results...

Insert Parameter ▼

OK

Cancel



# Parameterized SQL Queries

In addition to simple Queries we can make a dynamic query using parameters

The screenshot shows the Tableau Desktop interface with a 'Custom SQL Query (TEST)' window open. The query is:

```
select emp.eid, NAME, CITY, DOJ, DOB, DEPT, DESI, SALARY
FROM EMP
INNER JOIN EMP_SAL
ON EMP.EID=EMP_SAL.EID
```

A 'Create Parameter' dialog is open, showing the following details:

- Name: Parameter 1
- Data type: Float
- Current value: 1
- Value when workbook opens: Current value
- Display format: Automatic
- Allowable values: All (selected), List, Range

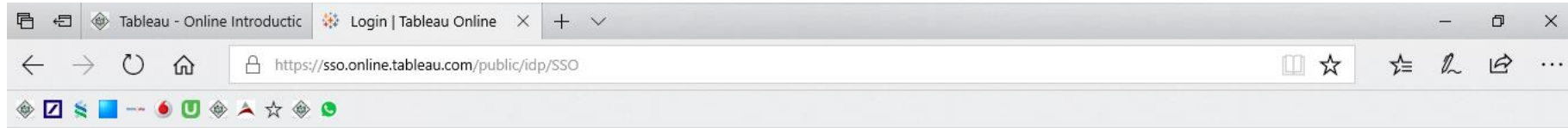
The background shows a data source named 'TEST' with a table 'EMP' containing employee data. The data is displayed in a grid with columns: eid, NAME, CITY, DOJ, DOB, DEPT, DESI, SALARY.

eid	NAME	CITY	DOJ	DOB	DEPT	DESI	SALARY
1005	Manoj Kumar	DELHI	3/1/2018	10/11/1983	HR	ASSOCIATE	66,000
1007	Kapil Sharma	Gurgaon	1/2/2017	10/10/1989	HR	ASSOCIATE	71,500
1011	AMIT KAPOOR	DELHI	12/12/2018	10/5/1990	HR	ASSOCIATE	35,000
1012	MONIKA ARORA	DELHI	12/12/2018	10/21/1989	HR	SR. ASSOCIATE	50,000
1019	RAJAT KAPOOR	DELHI	12/12/2018	10/10/1989	HR	ASSOCIATE	55,000
1020	Rohan Kumar	DELHI	1/2/2017	10/10/1989	HR	ASSOCIATE	71,500
1035	MANOJ TIWARI	GURGAON	12/12/2018	10/5/1990	HR	ASSOCIATE	35,000
1037	MIKE	DELHI	12/12/2018	10/21/1989	HR	SR. ASSOCIATE	50,000
1050	AMAN MUDGAL	DELHI	12/12/2018	10/10/1989	HR	ASSOCIATE	55,000



# Tableau Online

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Projects , Workbooks, Views, Data Sources

Users, Groups, Status, Settings



# Tableau Online

Tableau online is a platform to share our report / analysis with different people.

User Site Roles :

- Site Administrator Creator – Full Control
- Creator - Full Control Can not change permissions
- Site Administrator Explorer – Cant connect to external data
- Explorer (can publish) Can publish however, can not connect to external data and create new data sources
- Explorer – cant save the work
- Viewer – read only access can download
- Unlicensed – not allowed to publish any thing



# Publishing

Publishing the projects on to Tableau online. What we have created on Tableau desktop we need to publish it on Tableau Online.

Tableau - > Server -> SignIn

After login to tableau Online click on publish Workbook.





# Publishing

In the popup box provide the below information:

- Project : Name of the Project in Tableau Online in which the workbook needs to be published.
- Name : Name of the Work Book to be displayed in Online
- Description : Short description about the project.
- Sheets: Specify the sheets to be published.
- Tags: Specify the key words that can be used to search the respective workbook
- Permissions : Set the permissions for the workbook.
- Data Source s: Specify how to publish the dashboard as a part of workbook / separately.
- Show Sheets as tabs – Display sheets tabs on Tableau Online
- Show Selections – Only selected sheet will be displayed



Publish Workbook to Tableau Online

Project

Demo

Name

SuperStore|

Description

This is my first project for Super Store Sales summary

Tags

profit

region

sales

5 Tags

Sheets

All Edit

Permissions

Set to existing workbook default Edit

Data Sources

1 embedded in workbook Edit

More Options

☐ Show sheets as tabs

☒ Show selections

Publish

*Thanks!*

**EVERY ENDING  
IS REALLY JUST A  
NEW BEGINNING**

**Rajeev Garg  
Data Analytics Trainer**

