

Data Analytics

Assignment-3:

The screenshot displays the Tableau Desktop interface. The top window, titled 'Tableau - Book1', shows the 'Connections' pane on the left with 'Sample - Superstore' selected. The main workspace shows a data source connection diagram for 'Orders1' and 'supermarket_sales - Sheet1.csv'. A 'Join' dialog box is open, showing the 'Inner' join type selected. Below the dialog, a table displays the first 10 rows of the joined data, showing columns for 'Row ID (Orders1)', 'Order ID (Orders1)', 'Order Date (Orders1)', 'Ship Date (Orders1)', and 'Ship Mode (Orders1)'. The bottom window, also titled 'Tableau - Book1', shows the 'Data' pane on the left with 'Orders1' selected. The main workspace shows a calculated field 'SUM(Sales (Orders1))' and a table displaying the first 10 rows of the calculated field, showing columns for 'Category (Orders1)' and 'YEAR(Ship Date (Orders1))'.

Tableau - Book1

File Data Server Window Help

Connections

Sample - Superstore

Microsoft Excel

supermarket_sales - Sheet1

Text file

Sheets

Use Data Interpreter

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

Orders

People

Returns

People

Returns

New Union

New Table Extension

Sample - Superstore

Connection

Live

Extract

Filters

0 | Add

Orders1 is made of 2 tables.

Orders1

Join

Inner

Left

Right

Full Outer

Data Source

Quantity (Orders1)

supermarket_sales - Sheet1.csv

Quantity

Add new join clause

Orders1

38 fields 981562 rows

100 rows

Name

Orders1

Fields

Type

Field Name

Physical ...

Rem...

Abc

Customer Name (Orders1)

Orders1

Custo...

Abc

Segment (Orders1)

Orders1

Segm...

Country/Region (Orders1)

Orders1

Count...

Row ID (Orders1)

Order ID (Orders1)

Order Date (Orders1)

Ship Date (Orders1)

Ship Mode (Orders1)

1

US-2020-103800

1/3/2020

1/7/2020

Standard Class

1

US-2020-103800

1/3/2020

1/7/2020

Standard Class

1

US-2020-103800

1/3/2020

1/7/2020

Standard Class

1

US-2020-103800

1/3/2020

1/7/2020

Standard Class

1

US-2020-103800

1/3/2020

1/7/2020

Standard Class

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data

Analytics

Pages

Sample - Superstore

Search

Tables

Orders1

Branch

Category (Orders1)

City

City (Orders1)

Country/Region (Orders1)

Customer ID (Orders1)

Customer Name (Orders1)

Customer type

Date

Gender

Invoice ID

Order Date (Orders1)

Order ID (Orders1)

Payment

Postal Code (Orders1)

Product ID (Orders1)

Product line

Product Name (Orders1)

Region (Orders1)

Row ID (Orders1)

Segment (Orders1)

Ship Date (Orders1)

Ship Mode (Orders1)

Parameters

Profit Bin Size

Top Customers

Columns

Category (Orders1)

YEAR(Ship Date (Orders1))

Rows

Outer join

Category (Orders1)

Year of Ship Date (Orders1)

Furniture

2020

14,778,756

468,941

2021

16,214,881

386,290

2022

19,327,904

637,546

2023

20,192,199

218,476

2024

286,417

48,461

Office Supplies

2020

14,258,911

2,189,213

2021

13,382,609

2,345,280

2022

16,965,273

2,929,260

2023

24,068,709

3,825,927

2024

194,190

43,408

Technology

2020

16,696,123

2,070,238

2021

15,979,882

3,375,060

2022

22,178,930

3,929,716

2023

25,858,082

4,777,485

2024

37,825

2,680

15 marks

15 rows by 1 column

SUM(Sales (Orders1)): 220,420,691

Tableau - Book1

File Data Server Window Help

Connections Add

- Sample - Superstore (Microsoft Excel)
- supermarket_sales - Sheet1 (Text file)

Sheets

- Orders
- People
- Returns
- New Union
- New Table Extension

Sample - Superstore

Orders1 is made of 2 tables.

Orders1

Join

Inner Left Right Full Outer

Data Source supermarket_sales - Sheet1.csv

Quantity (Orders1) = Quantity

Add new join clause

Orders1 38 fields 981448 rows 100 rows

Name	Orders1
Row ID (Orders1)	Order ID (Orders1)
Order Date (Orders1)	Ship Date (Orders1)
Ship Mode (Orders1)	Standard Class

Type	Field Name	Physical ...	Rem...
Abc	Customer Name (Orders1)	Orders1	Custo...
Abc	Segment (Orders1)	Orders1	Segm...
	Country/Region (Orders1)	Orders1	Count...

Data Source Sheet 1

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics Pages

Sample - Superstore

Search

Tables

- Segment (Orders1)
- Ship Date (Orders1)
- Ship Mode (Orders1)
- State/Province (Orders1)
- Sub-Category (Orders1)
- Time
- Cogs
- Discount (Orders1)
- Gross Income
- Gross Margin Percent...
- Profit (Orders1)
- Quantity
- Quantity (Orders1)
- Rating
- Sales (Orders1)
- Tax 5%
- Total
- Unit price
- Orders1 (Count)

People

- Regional Manager
- People (Count)

Returns

Parameters

- Profit Bin Size
- Top Customers

Columns

Rows

Category (Orders1)

Inner join

Category (Orders1)

Furniture 1,758,667

Office Supplies 11,323,687

Technology 14,151,054

659,164

Marks

Automatic

Color Size Text

Detail Tooltip

SUM(Profit (Orders1))

SUM(Quantity (Orders1))

Data Source Inner join

3 marks 3 rows by 1 column SUM(Profit (Orders1)): 27,233,408

Tableau - Book1

File Data Server Window Help

Connections Add

Sample - Superstore

Microsoft Excel
supermarket_sales - Sheet1
Text file

Sheets

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

Orders
People
Returns
People
Returns

New Union
New Table Extension

Orders1 is made of 2 tables. ⓘ

Orders1

Join

Inner Left Right Full Outer

Data Source supermarket_sal...

Category (Orders1) = Customer type

Add new join clause

Orders1 38 fields 10194 rows

100 rows

Name
Orders1

Fields

Type	Field Name	Physical ...	Rem...
Abc	Customer Name (Orders1)	Orders1	Custo...
Abc	Segment (Orders1)	Orders1	Segm...
+	Country/Region (Orders1)	Orders1	Count...

Orders1	Abc Orders1 Order ID (Orders1)	Orders1 Order Date (Orders1)	Orders1 Ship Date (Orders1)	Abc Orders1 Ship Mode (Orders1)
1	US-2020-103800	1/3/2020	1/7/2020	Standard Class
2	US-2020-112326	1/4/2020	1/8/2020	Standard Class
3	US-2020-112326	1/4/2020	1/8/2020	Standard Class
4	US-2020-112326	1/4/2020	1/8/2020	Standard Class
5	US-2020-141817	1/5/2020	1/12/2020	Standard Class
6	US-2020-167199	1/6/2020	1/10/2020	Standard Class

Data Source Inner join Outter join

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics

Sample - Superstore

Search

Folders

- Abc Product line
- Abc Product Name (Orders1)
- Abc Region (Orders1)
- Abc Regional Manager
- Abc Returned
- # Row ID (Orders1)
- Abc Segment (Orders1)
- Ship Date (Orders1)
- Abc Ship Mode (Orders1)
- State/Province (Orders1)
- Abc Sub-Category (Orders1)
- Time
- Measure Names
 - # Cogs
 - # Discount (Orders1)
 - # Gross Income
 - # Gross Margin Percentage
 - # Profit (Orders1)
 - # Profit Ratio
 - # Quantity
 - # Quantity (Orders1)
 - # Rating
 - # Sales (Orders1)
 - # Tax 5%
- Parameters
 - # Profit Bin Size
 - # Top Customers

Filters

Minus

Category (Orders1) Sub-Category (Orders1)

Category (Orders1) Sub-Category (Orders1)

Category (Orders1)	Sub-Category (Orders1)	Sales
Furniture	Bookcases	115,361
Furniture	Chairs	335,768
Furniture	Furnishings	95,598
Furniture	Tables	208,020
Office Supplies	Appliances	108,213
Office Supplies	Art	27,659
Office Supplies	Binders	207,355
Office Supplies	Envelopes	16,528
Office Supplies	Fasteners	8,532
Office Supplies	Labels	12,695
Office Supplies	Paper	79,541
Office Supplies	Storage	224,645
Office Supplies	Supplies	46,725
Technology	Accessories	167,380
Technology	Copiers	150,745
Technology	Machines	189,925
Technology	Phones	331,843

17 marks 17 rows by 1 column SUM(Sales (Orders1)): 2,326,534











