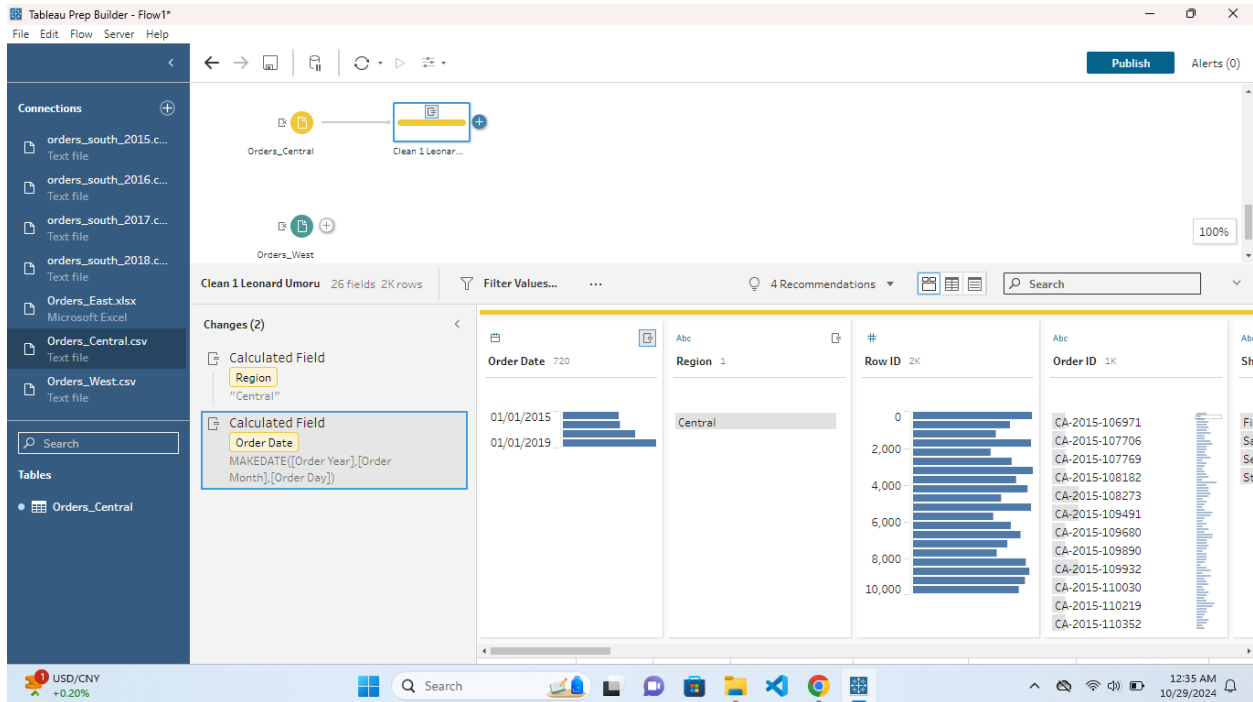
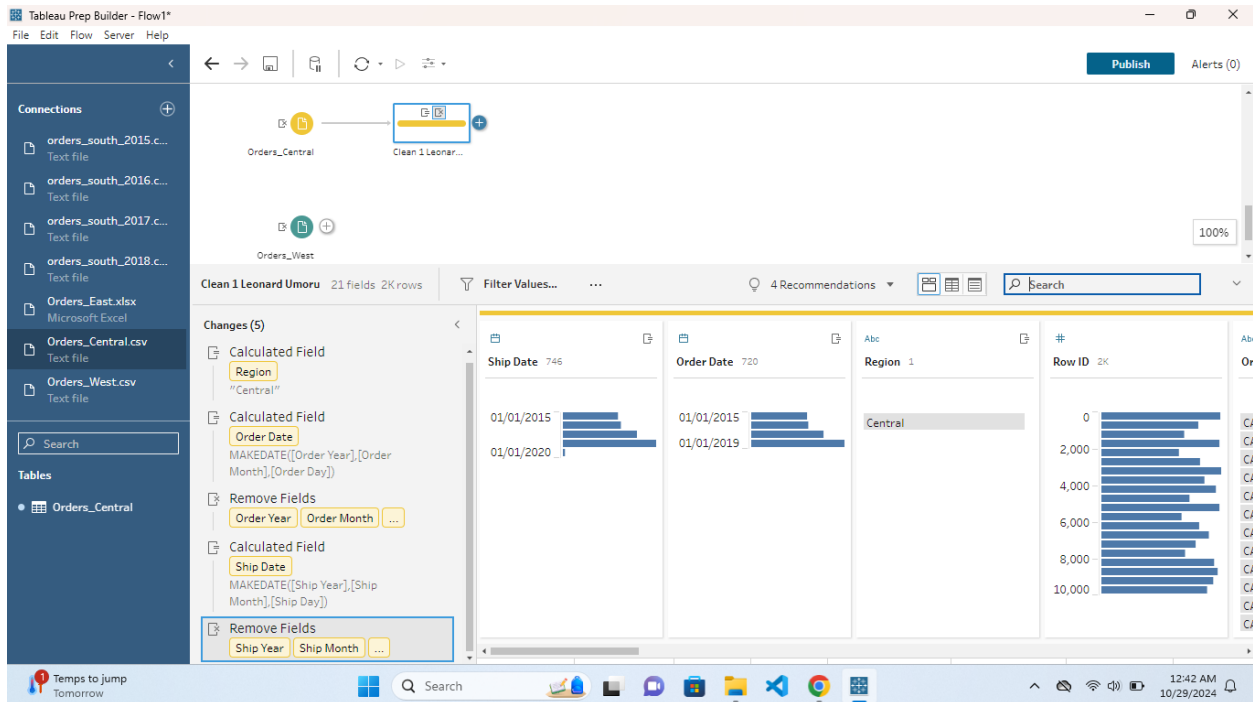


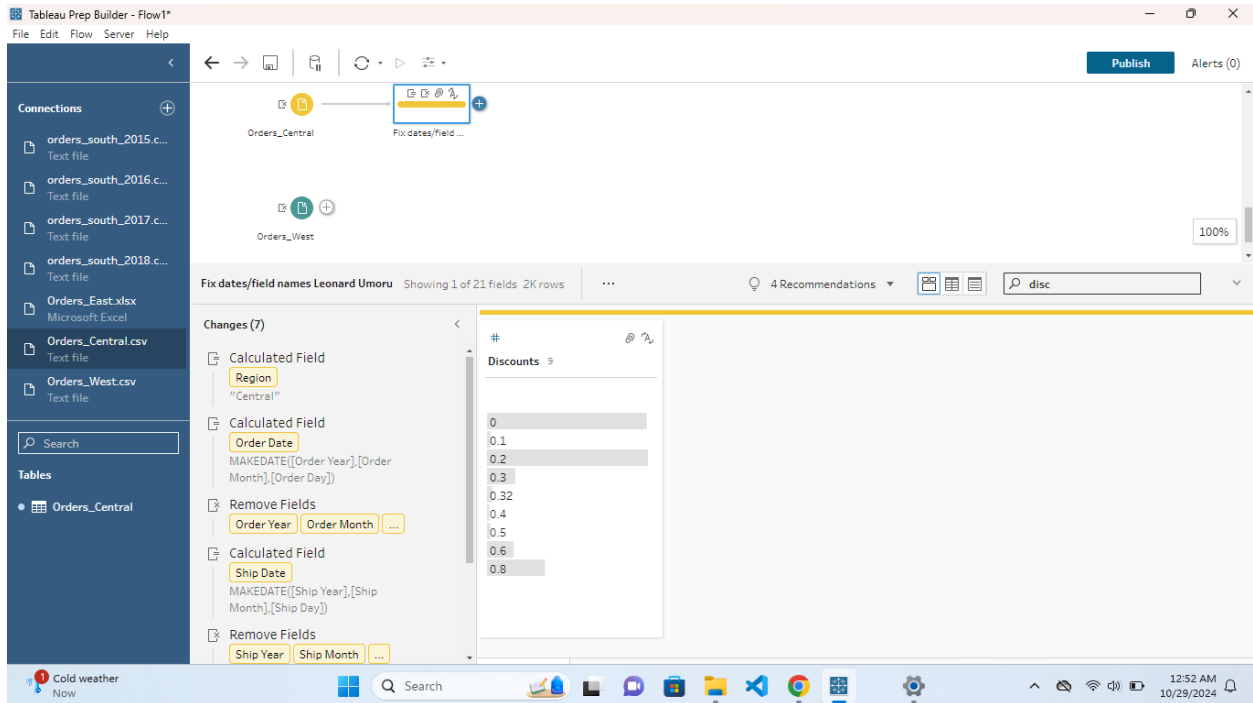
CST2111_010_011 Data Visualization Assignment 3



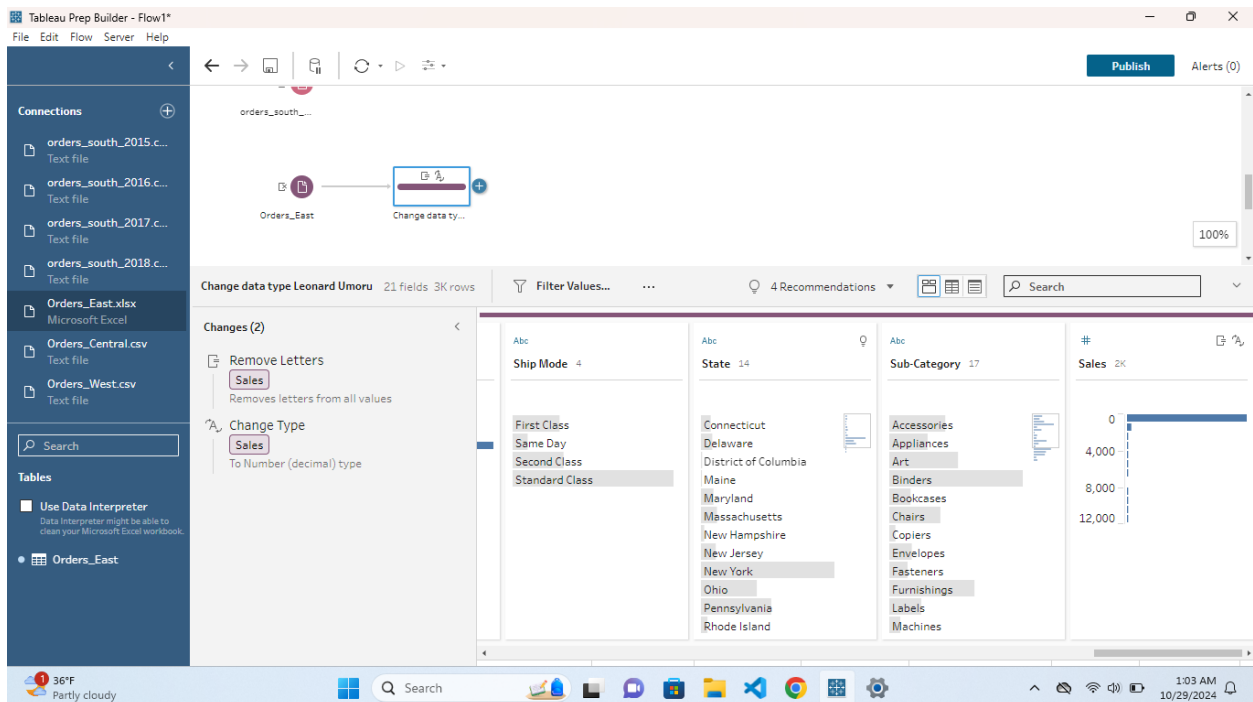
Created calculated field to concatenate the year, month and day of orders.



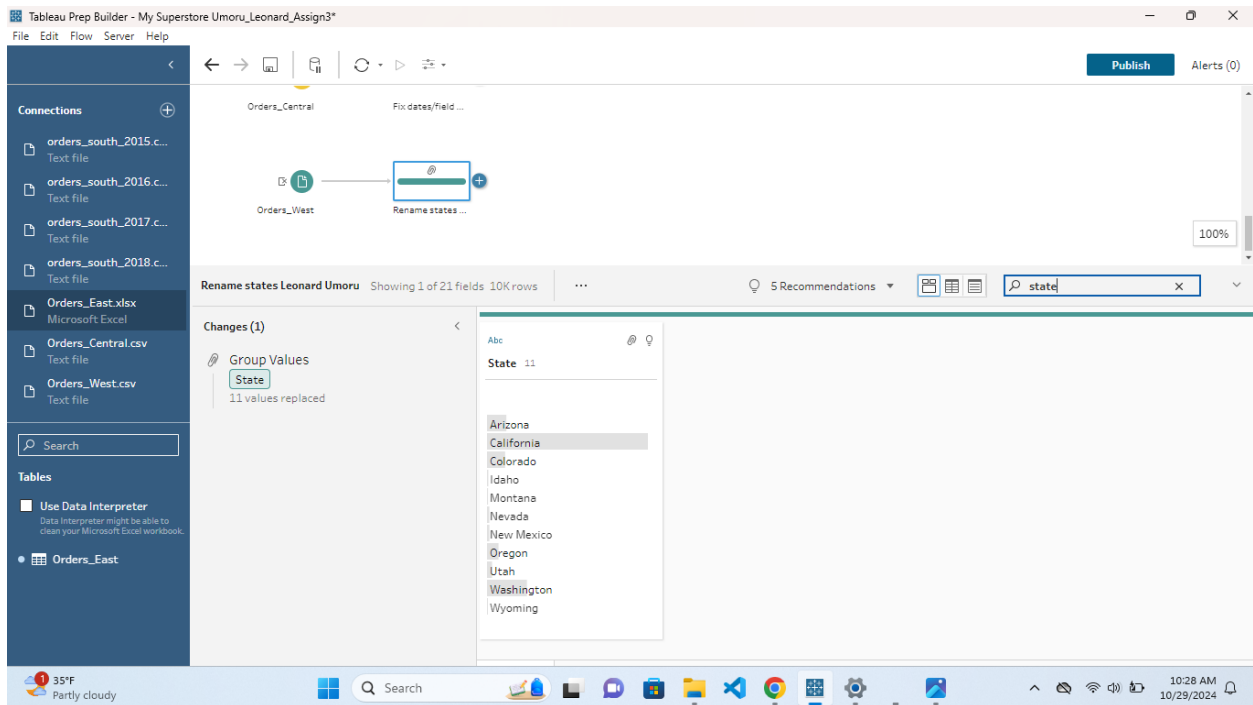
Removed some fields.



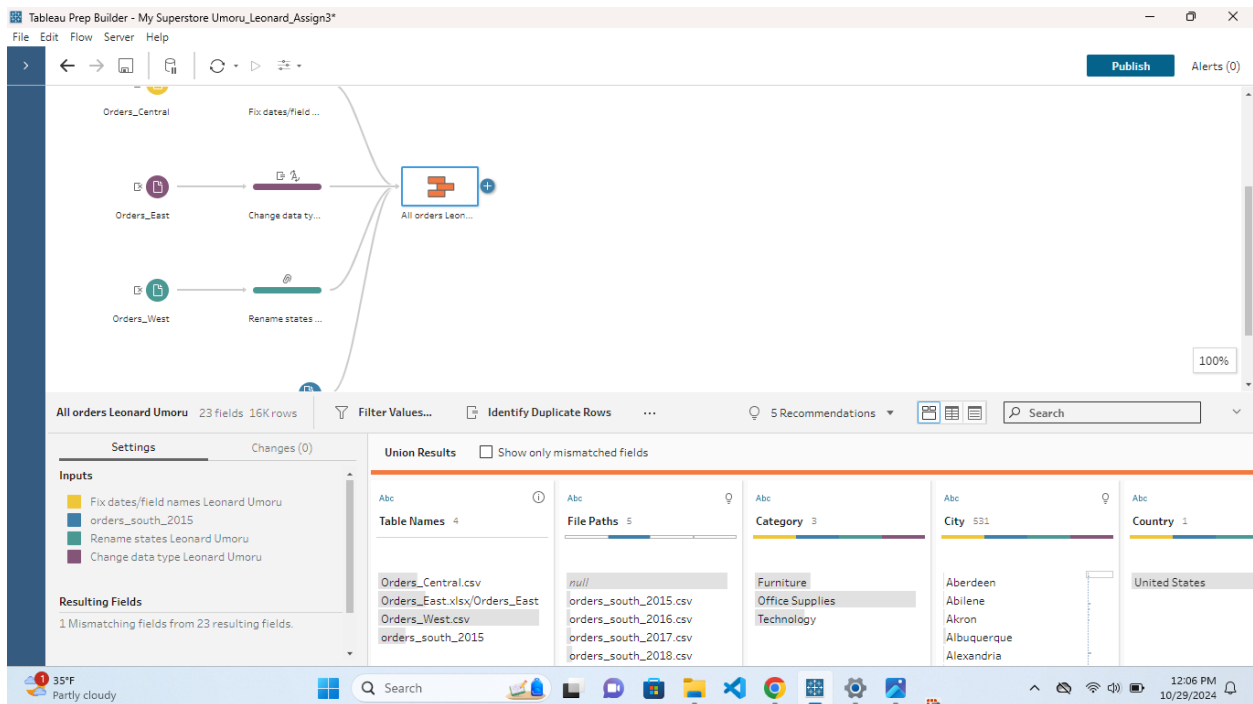
Fixed dates and field names in order central data.



Changed data type of sales in order east, from text to number.



Renamed states in order west.



Performed Union on all clean steps together with the orders south 2015 data.

Tableau Prep Builder - My Superstore Umoru_Leonard_Assign3*

File Edit Flow Server Help

100%

Returns (all) Cleaned notes ...

Cleaned notes Leonard Umoru 5 fields 275 rows

Filter Values... Identify Duplicate Rows 1 Recommendation Search

Changes (7)

- Notes-Split 1
TRIM(SPLIT([Notes], " ", 1))
- Calculated Field
Notes-Split 2
TRIM(SPLIT([Notes], " ", 2))
- Rename Field
Return Notes
From [Notes - Split 1] to [Return Notes]
- Rename Field
Approver
From [Notes - Split 2] to [Approver]
- Remove Field
Notes
17 values replaced by 11 values
- Group Values
Approver

Order ID	Product ID	Return Reason	Return Notes	Approver
CA-2015-100762	FUR-BO-10000362	Defective	Appeared to be corrupt	C Arnold
CA-2015-100867	FUR-BO-10002268	General	armrests would not adjust	E Willis
CA-2015-102652	FUR-BO-10003159	Incorrect Product Ordered	belts didn't fit customers existing machine	F Azad
CA-2015-103373	FUR-BO-10004218	Incorrect Product Shipped	bindings were not compatible with machine	G Linds
CA-2015-103744	FUR-CH-10000847	No Longer Needed	Black chair was shipped	K Lawri
CA-2015-103940	FUR-CH-100009863	Product Listed Incorrectly	corner was bent, so it didn't fit in printer.	L Jenki
CA-2015-105270	FUR-CH-10000988		Customer ordered too many	M Gom
CA-2015-109918	FUR-CH-10001146		cust didn't realize item was in cart	R Chen
CA-2015-110786	FUR-CH-10002647		cust. thought that this was already removed fi	R Duch
CA-2015-111871	FUR-CH-10002774		customer didn't know item was in cart	
CA-2015-116795	FUR-CH-10002961		customer ordered too many	
CA-2015-123225	FUR-CH-10003396			

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Filtered fields and split note field into return notes and approver.

Tableau Prep Builder - My Superstore Umoru_Leonard_Assign3*

File Edit Flow Server Help

100%

Orders_Central Orders_East Orders+Returns Leonard Umoru

Fix dates/field... Change data ty... All orders Leon... Orders+Return...

Orders+Returns Leonard Umoru 28 fields 16K rows

Filter Values... Identify Duplicate Rows Create Calculated Field... Search

Settings Changes (0)

Join Type: Left

Click the graphic to change the join type.

All orders Leonard... Cleaned notes Leon...

Summary of Join Results

Click the bar segments to view the included and excluded values.

Mismatched values

Join Clauses Show only mismatched values

Product ID	Ord	Product ID	Ord
FUR-BO-10000112	CA	FUR-BO-10000362	CA
FUR-BO-10000330	CA	FUR-BO-10002268	CA
FUR-BO-10000330	CA	FUR-BO-10003159	CA
FUR-BO-10000330	CA	FUR-BO-10004218	CA
FUR-BO-10000362	CA	FUR-CH-10000847	CA
FUR-BO-10000362	CA	FUR-CH-10000847	CA

Join Results

Table Names	File Paths	Category
Orders_Central.csv	orders_south_2015.csv	Furniture
Orders_East.xlsx/Orders_East	orders_south_2016.csv	Office Supplies
Orders_West.csv	orders_south_2017.csv	Technology
orders_south_2015	orders_south_2018.csv	

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Performed a Join on clean notes and all orders union.

Tableau Prep Builder - My Superstore Umore,Leonard_Assign3*

File Edit Flow Server Help

100%

Orders_Central Fix dates/field... Orders_East Change data ty... All orders Leon... Orders+Return... Clean Orders +...

Changes (4)

- Remove Fields
 - Table Names Product ID-1 ...
- Rename Field
 - Order ID From [Order ID-1] to [Order ID]
- Calculated Field
 - Returned? IF ISNULL([Return Reason])=FALSE THEN "Yes" ELSE "No" END
- Calculated Field
 - Days to Ship DATEDIFF('day',[Order Date],[Ship Date])

Days to Ship 8 Category 3 City 531 Country 1 Customer ID 793

0 1 2 3 4 5 6 7

Furniture Office Supplies Technology

Aberdeen Abilene Akron Albuquerque Alexandria Allen Allentown Altoona Amarillo Anaheim Andover Ann Arbor

United States

AA-10315 AA-10375 AA-10480 AA-10645 AB-10015 AB-10060 AB-10105 AB-10150 AB-10165 AB-10255 AB-10600 AC-10420

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Cleaned the Order return join we created earlier.

Tableau Prep Builder - My Superstore Umore,Leonard_Assign3*

File Edit Flow Server Help

100%

Orders_Central Fix dates/field... Orders_East Change data ty... All orders Leon... Orders+Return... Clean Orders +... Output

Output 26 fields

Save output to File

Orders_Returns_Superstore

Location C:\Users\user\Documents

Output type Tableau Data Extract (.hyper)

Write Options Select an option to create or update your output table.

Run Flow

Save to Orders_Returns_Superstore.hyper

Days to Ship	Category	City	Country	Customer ID	Customer Name	Discount	Order Date
5	Office Supplies	Chicago	United States	JD-16015	Joy Daniels	0.8	12/14/2015, 12:00:00 AM
5	Furniture	Oceanside	United States	AY-10555	Andy Yotov	0.2	12/16/2018, 12:00:00 AM
5	Furniture	Oceanside	United States	AY-10555	Andy Yotov	0.2	12/16/2018, 12:00:00 AM
5	Furniture	Oceanside	United States	AY-10555	Andy Yotov	0.2	12/16/2018, 12:00:00 AM
5	Furniture	Oceanside	United States	AY-10555	Andy Yotov	0.2	12/16/2018, 12:00:00 AM
6	Office Supplies	Roseville	United States	LC-16885	Lena Creighton	0.2	10/13/2017, 12:00:00 AM
6	Office Supplies	Roseville	United States	LC-16885	Lena Creighton	0.2	10/13/2017, 12:00:00 AM
6	Office Supplies	Roseville	United States	LC-16885	Lena Creighton	0.2	10/13/2017, 12:00:00 AM
6	Office Supplies	Roseville	United States	LC-16885	Lena Creighton	0.2	10/13/2017, 12:00:00 AM

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Created an output for the cleaned order return join.