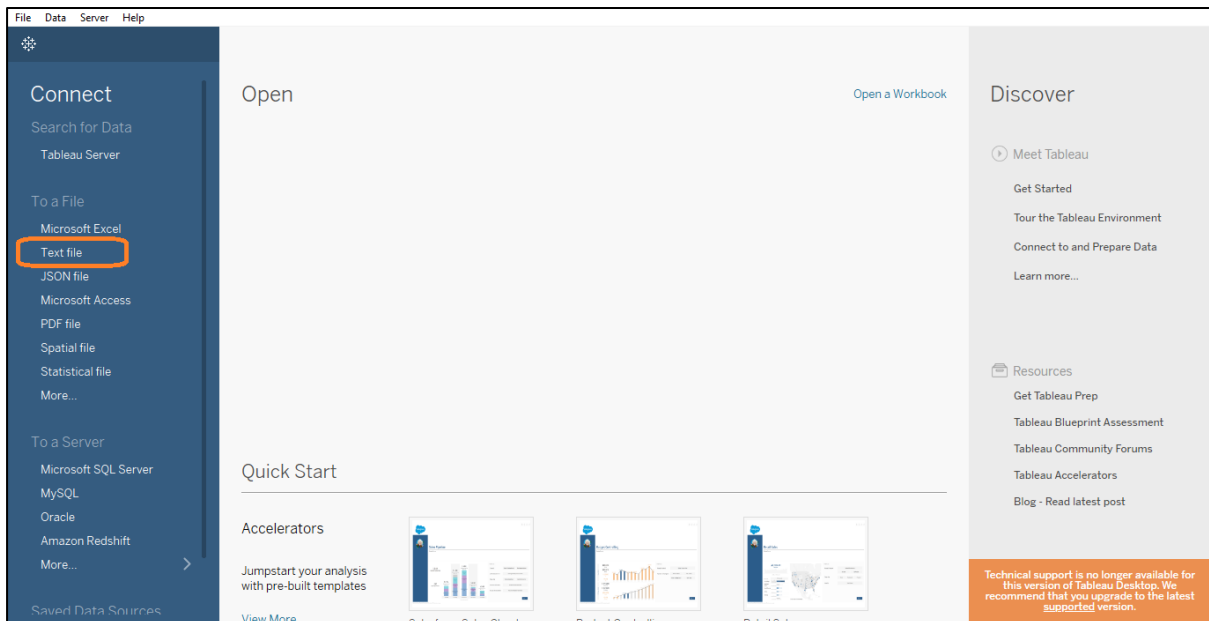
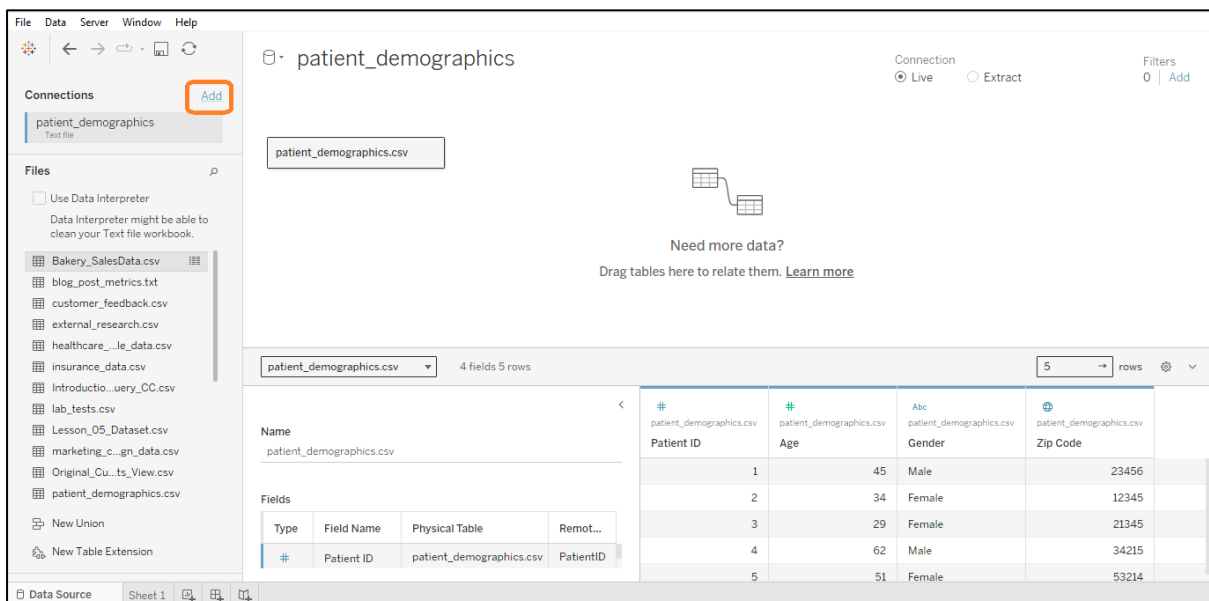


# Answer Key

- Start Tableau and use the **Connect** pane to connect to the **patient\_demographics** and **treatment\_outcomes** dataset
  - Choose **Text file** and load the **patient\_demographics** dataset



- Click on **Add** option and load the **treatment\_outcomes** dataset



You will see your dataset loaded here.

patient\_demographics.csv (Multiple Connections)

Connection: ☒ Live ☐ Extract

Filters: 0 | Add

patient\_demographics.csv

Need more data?  
Drag tables here to relate them. [Learn more](#)

patient\_demographics.csv 4 fields 5 rows 5 rows

#	patient_demographics...	patient_demographics...	Abc patient_demographics...	patient_demographics...
Patient ID	Age	Gender	Zip Code	
1	45	Male	23456	
2	34	Female	12345	
3	29	Female	21345	
4	62	Male	34215	
5	51	Female	53214	

- Drag the **treatment\_outcomes** dataset to the right side of the first dataset

patient\_demographics.csv+ (Multiple Connections)

Connection: ☒ Live ☐ Extract

Filters: 0 | Add

patient\_demographics.csv treatment\_outcomes.csv

How do relationships differ from joins? [Learn more](#)

patient\_demographics.csv treatment\_outcomes.csv

treatment\_outcomes.csv Patient ID = PatientID (treat...

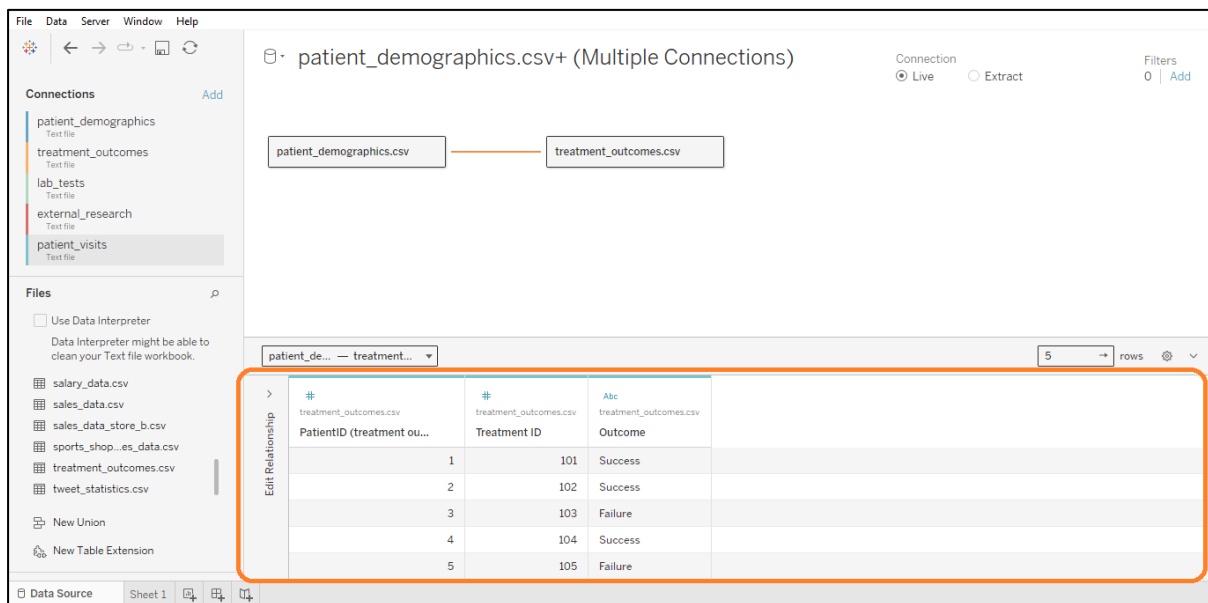
Add more fields

> Performance Options

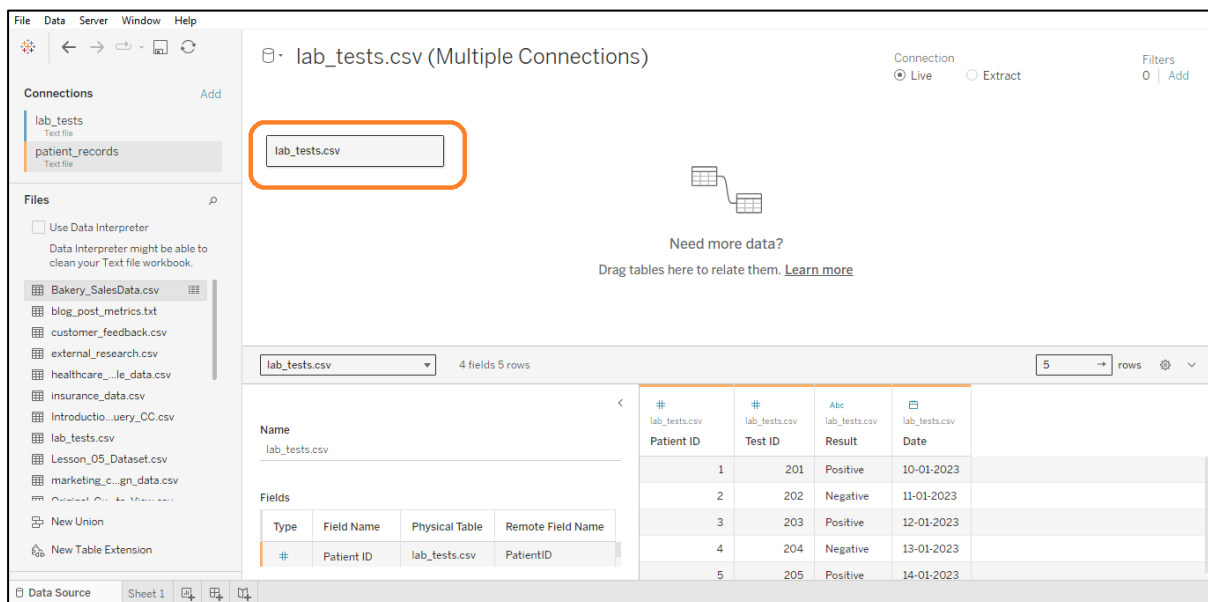
#	treatment_outcomes.csv	#	treatment_outcomes.csv	Abc	treatment_outcomes.csv
PatientID (treatment ou...	Treatment ID	Outcome			
1	101	Success			
2	102	Success			
3	103	Failure			
4	104	Success			
5	105	Failure			

**Note:** This will create a relationship between both the tables.

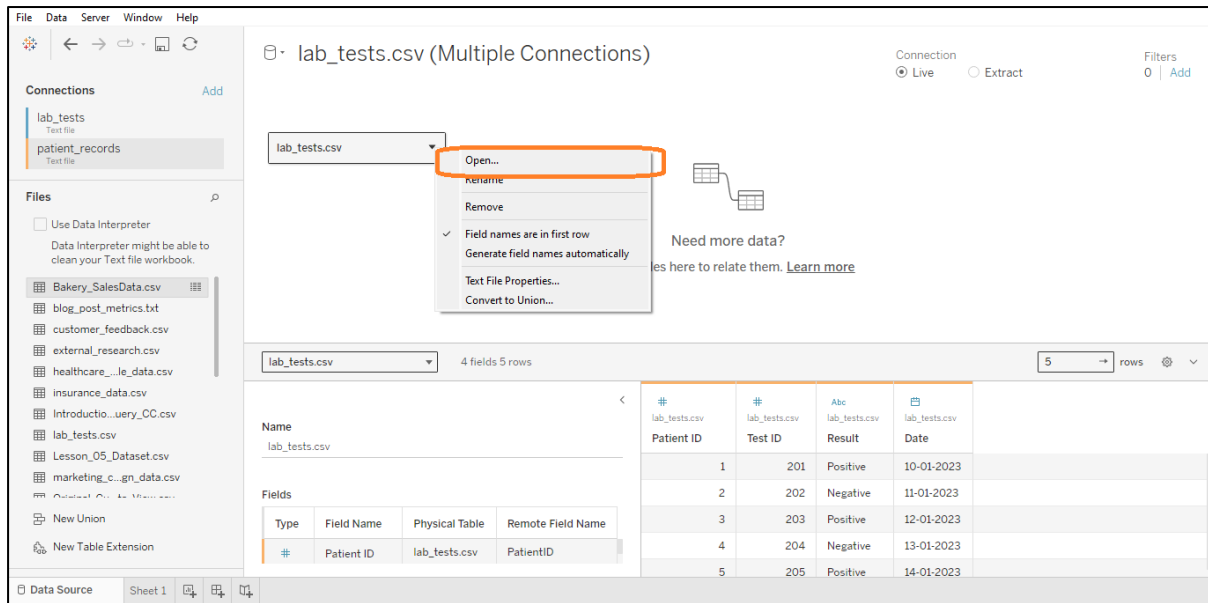
The output table will look like:



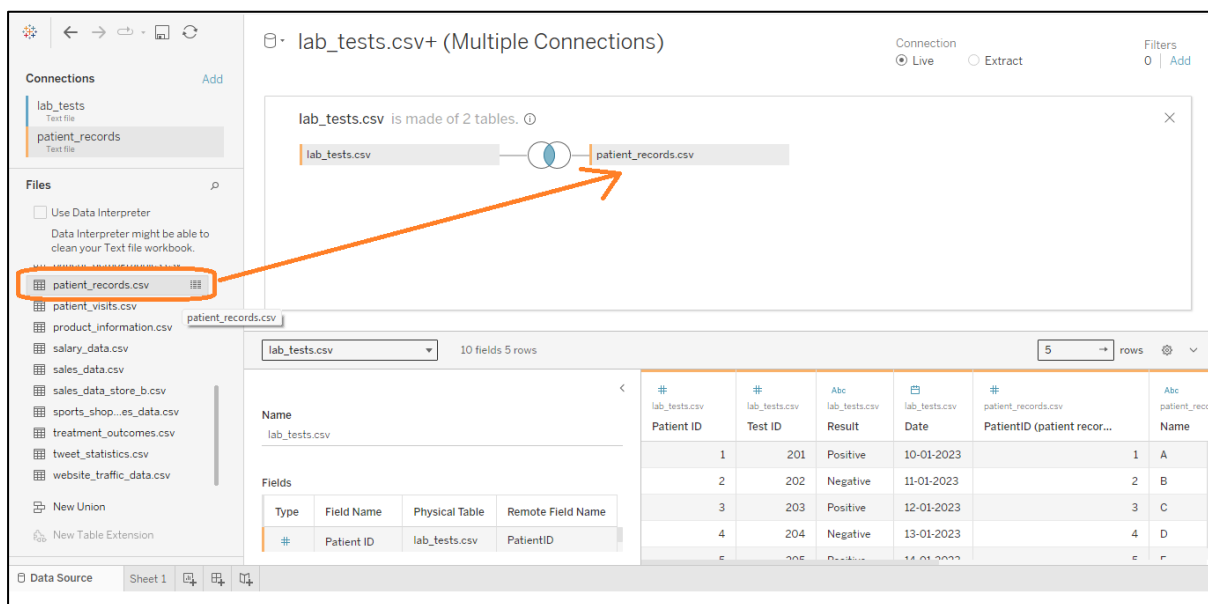
- Ensure both the **patient\_records** and **lab\_tests** datasets are added in the data source tab



- Right click on **lab\_test.csv** in the drag area and select **Open**



- Drag the **patient\_records** dataset to the right side of the **lab\_records** dataset




**Note:** This will create a join between the two tables.

The output will appear as shown below:

File Data Server Window Help

lab\_tests.csv+ (Multiple Connections)

Connection: ☒ Live ☐ Extract Filters: 0 | Add

lab\_tests.csv is made of 2 tables. 

lab\_tests.csv 10 fields 5 rows 5 rows

#	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv
Patient ID	Test ID	Result	Date	PatientID (patient recor...	Name	Age	Gender	Diagnosis													
1	201	Positive	10-01-2023	1	A	20	Male	Diabetes													
2	202	Negative	11-01-2023	2	B	21	Male	Asthama													
3	203	Positive	12-01-2023	3	C	65	Female	Hypertension													
4	204	Negative	13-01-2023	4	D	32	Male	Chronic Kidney Dise													
5	205	Positive	14-01-2023	5	E	43	Female	Depression													

Data Source Sheet 1

- Ensure both the **patient\_records** and **lab\_tests** datasets are added in the Data Source tab.

File Data Server Window Help

lab\_tests.csv (Multiple Connections)

Connection: ☒ Live ☐ Extract Filters: 0 | Add

lab\_tests.csv

Need more data?  
Drag tables here to relate them. [Learn more](#)

lab\_tests.csv 4 fields 5 rows 5 rows

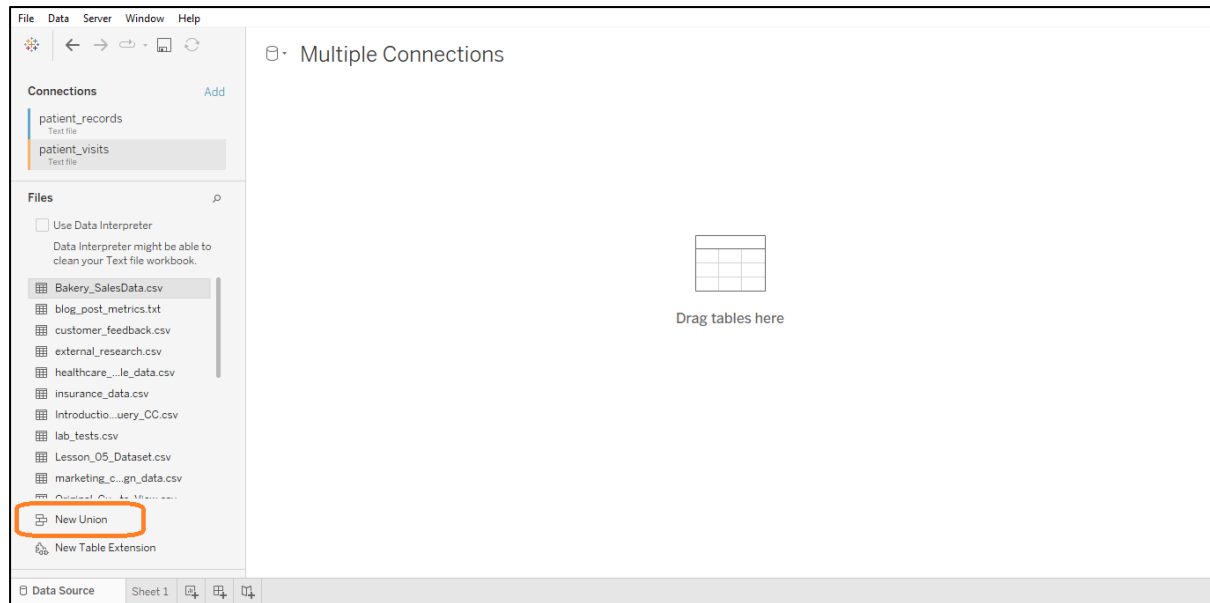
#	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv	#	lab_tests.csv	Abc	lab_tests.csv
Patient ID	Test ID	Result	Date						
1	201	Positive	10-01-2023						
2	202	Negative	11-01-2023						
3	203	Positive	12-01-2023						
4	204	Negative	13-01-2023						
5	205	Positive	14-01-2023						

Name: lab\_tests.csv

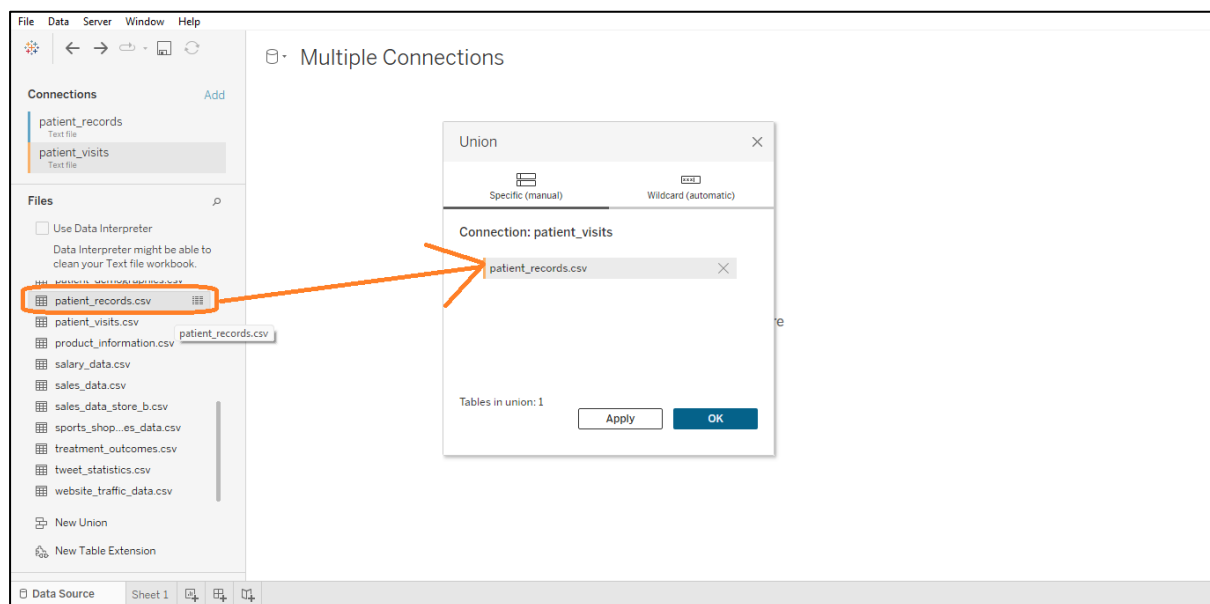
Type	Field Name	Physical Table	Remote Field Name
#	Patient ID	lab_tests.csv	PatientID

Data Source Sheet 1

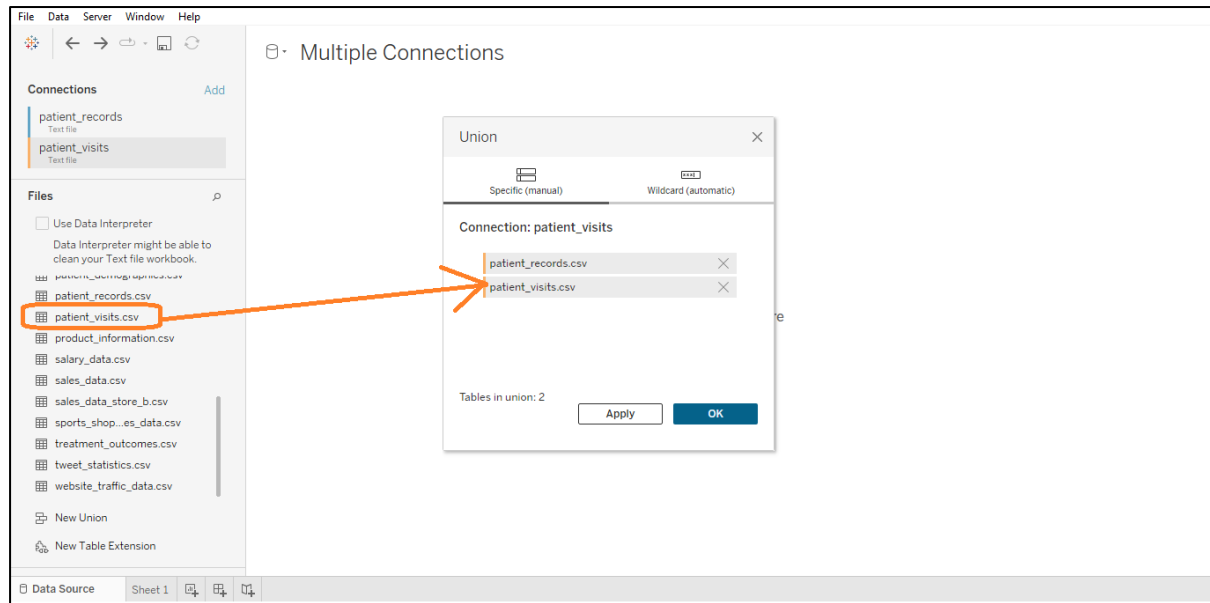
- Click on the New Union option



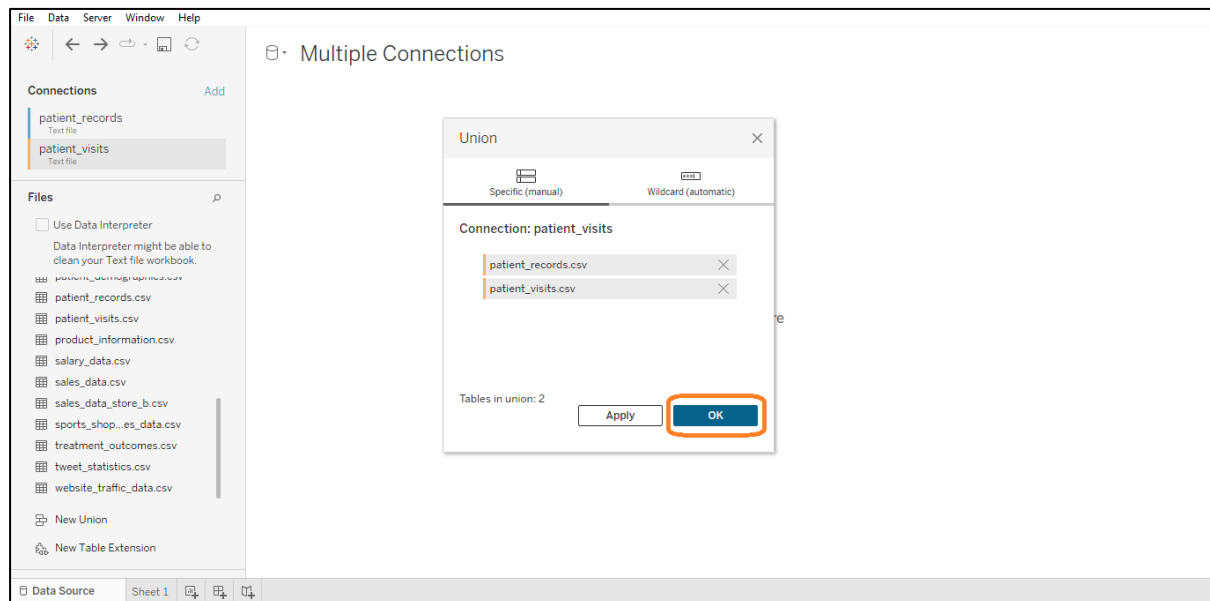
- A box will appear on the screen. Drag the **patient\_records** dataset to the box



- Drag **patient\_visits** to the box under the first dataset



- Click OK



**Note:** This will create a union between the two tables.

The output will appear as shown below:

File Data Server Window Help

Connections

patient\_records  
Text file

patient\_visits  
Text file

Files

Use Data Interpreter  
Data Interpreter might be able to clean your Text file workbook.

Bakery\_SalesData.csv

blog\_post\_metrics.txt

customer\_feedback.csv

external\_research.csv

healthcare\_le\_data.csv

insurance\_data.csv

Introductio...ery\_CC.csv

lab\_tests.csv

Lesson\_05\_Dataset.csv

marketing\_c...gn\_data.csv

Original\_Cu...ts\_View.csv

New Union

New Table Extension

Union (Multiple Connections)

Connection: ☒ Live ☐ Extract

Filters: 0 | Add

Union

Union

8 fields 10 rows

10 rows

#	Union	Abc Union	#	Union	Abc Union	Abc Union	Union	Union	#	Union
	PatientID	Name		Age	Gender	Diagnosis	TreatmentDate	Date		HospitalID
1	A	20	Male	Diabetes	15-01-2023	null	null			
2	B	21	Male	Asthama	20-01-2023	null	null			
3	C	65	Female	Hypertension	10-01-2023	null	null			
4	D	32	Male	Chronic Kidney Disease	15-01-2023	null	null			
5	E	43	Female	Depression	10-01-2023	null	null			
1	null	null	null	null	null	01-01-2023	1			
2	null	null	null	null	null	02-01-2023	1			
3	null	null	null	null	null	03-01-2023	2			
4	null	null	null	null	null	04-01-2023	2			
5	null	null	null	null	null	05-01-2023	3			

Data Source Sheet 1

- Load the **treatment\_outcomes** dataset and click on the database symbol above that to add another dataset to the sheet

File Data Server Window Help

Connections

treatment\_outcomes  
Text file

Files

Use Data Interpreter  
Data Interpreter might be able to clean your Text file workbook.

Bakery\_SalesData.csv

blog\_post\_metrics.txt

customer\_feedback.csv

external\_research.csv

healthcare\_le\_data.csv

insurance\_data.csv

Introductio...ery\_CC.csv

lab\_tests.csv

Lesson\_05\_Dataset.csv

marketing\_c...gn\_data.csv

monthly\_sales\_data.csv

Original\_Cu...ts\_View.csv

New Union

New Table Extension

treatment\_outcomes

Connection: ☒ Live ☐ Extract

Filters: 0 | Add

New Data Source

treatment\_outcomes.csv

Need more data?  
Drag tables here to relate them. [Learn more](#)

treatment\_outcomes.csv

3 fields 5 rows

5 rows

#	treatment_outcomes...	#	treatment_outcomes...	Abc treatment_outcomes...
	Patient ID		Treatment ID	Outcome
1	101	Success		
2	102	Success		
3	103	Failure		
4	104	Success		
5	105	Failure		

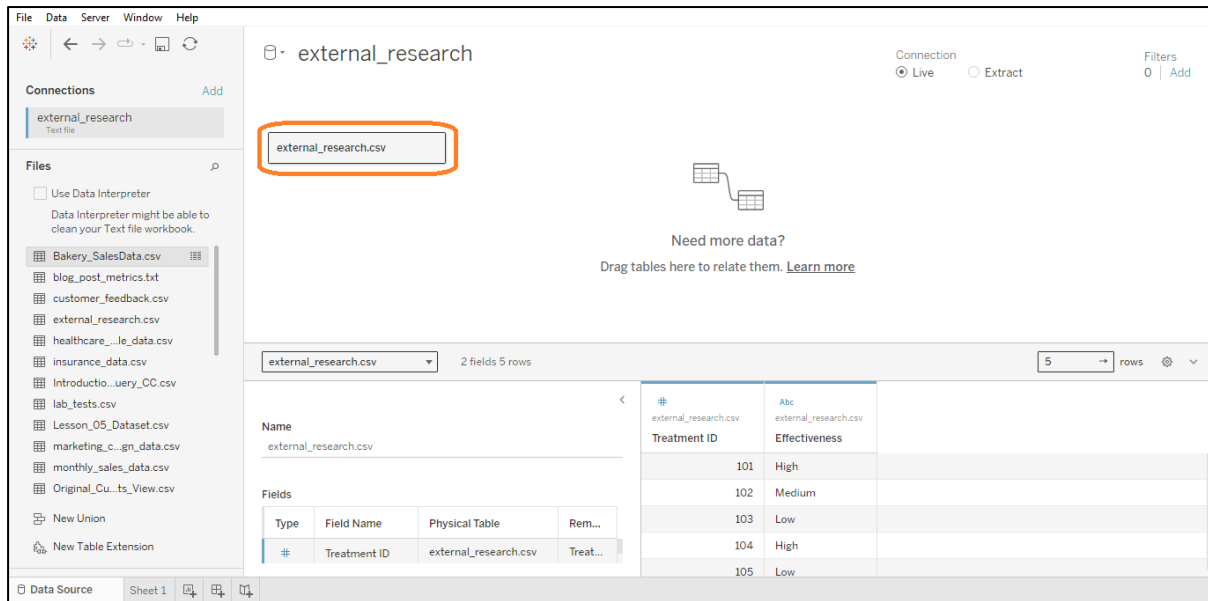
Fields

Type	Field Name	Physical Table	Rem...
#	Patient ID	treatment_outcomes.csv	Patien...

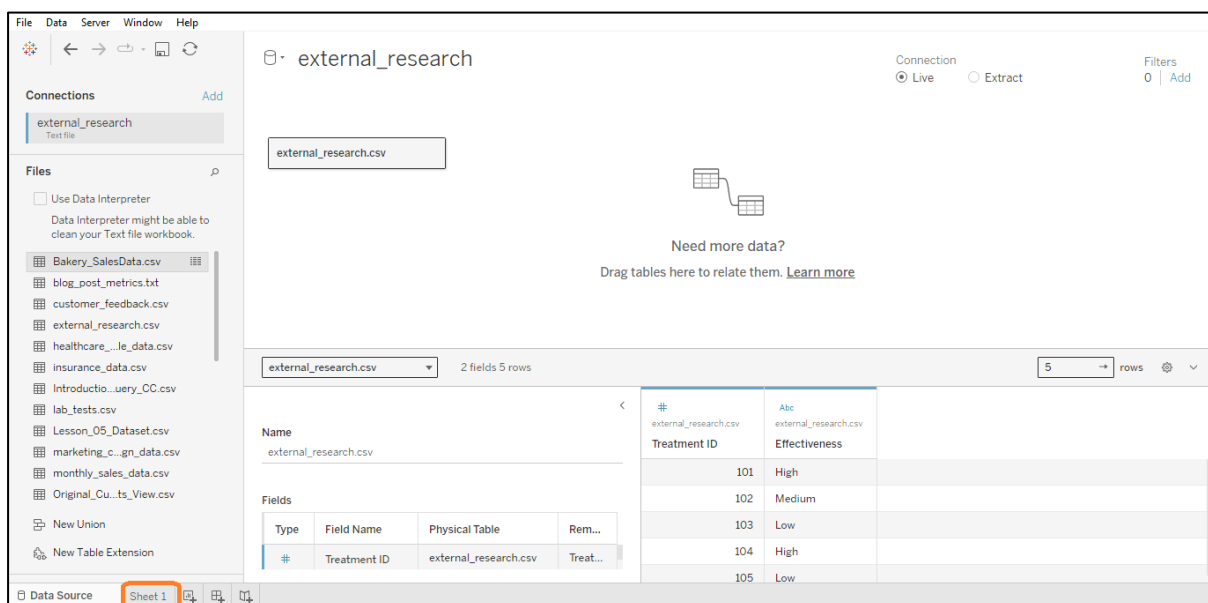
Data Source Sheet 1

- Load **external\_research.csv**

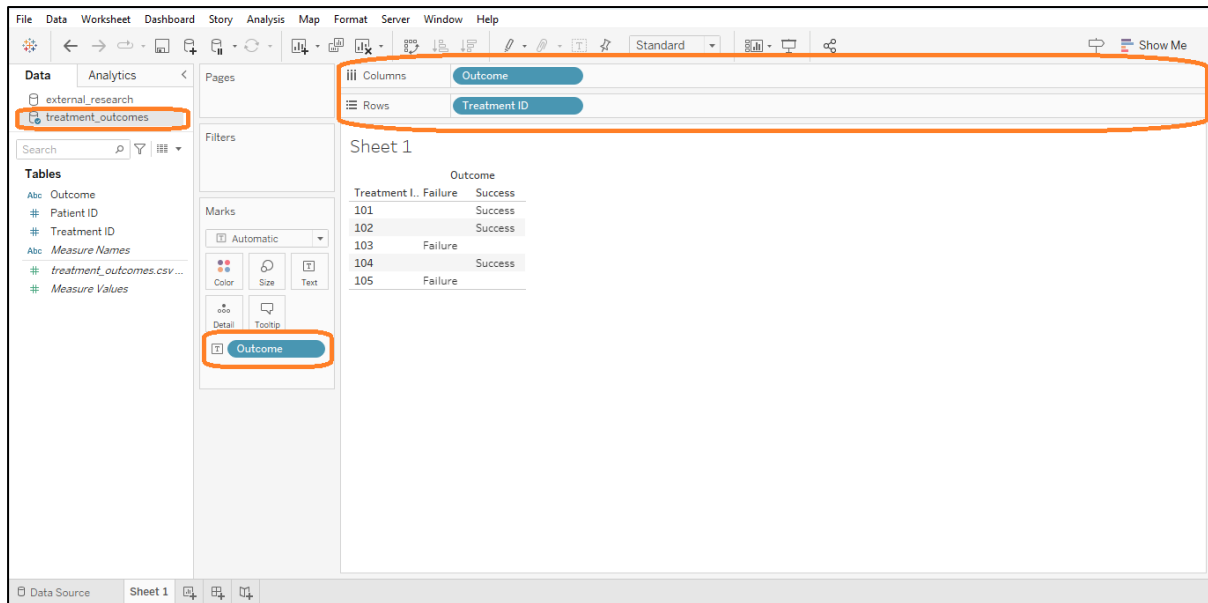




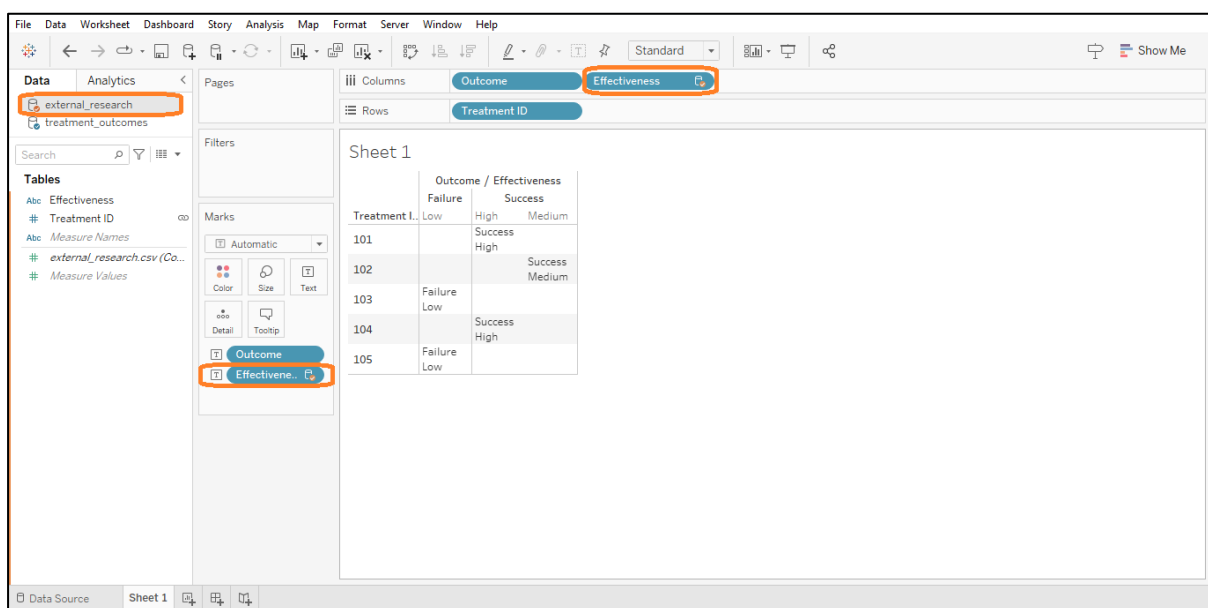
- Open **Sheet 1**



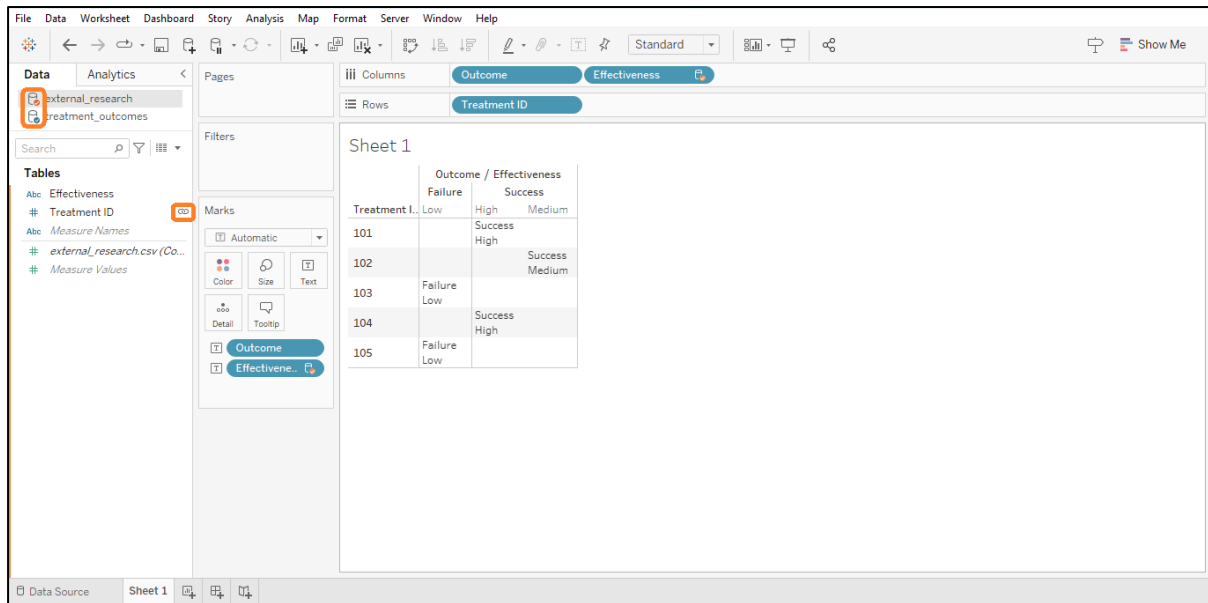
- Drag the **Outcome** to columns and **Treatment ID** to rows. Also, drag **Outcome** to text from the **treatment\_outcomes** dataset



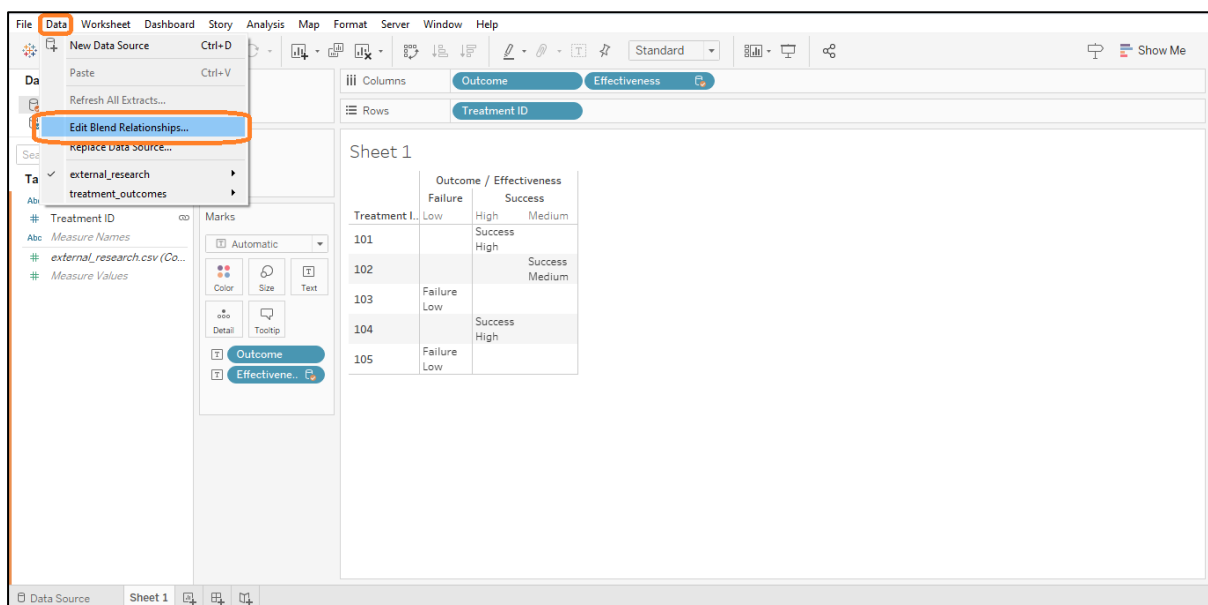
- Drag **Effectiveness** to columns as well as text from the **external\_research** dataset



**Note:** The blue tick on the treatment\_outcomes dataset shows that it is the primary dataset, orange tick on the external\_research dataset shows that it is the blended dataset, and that chain structure on the Treatment ID shows that it is the common link between the two tables.



**Note:** For cross verification, Go to **Data** pane and choose **Edit Blend Relationships**.



A box will appear that shows that Tableau has automatically taken Treatment ID as a common link between the two tables.

