



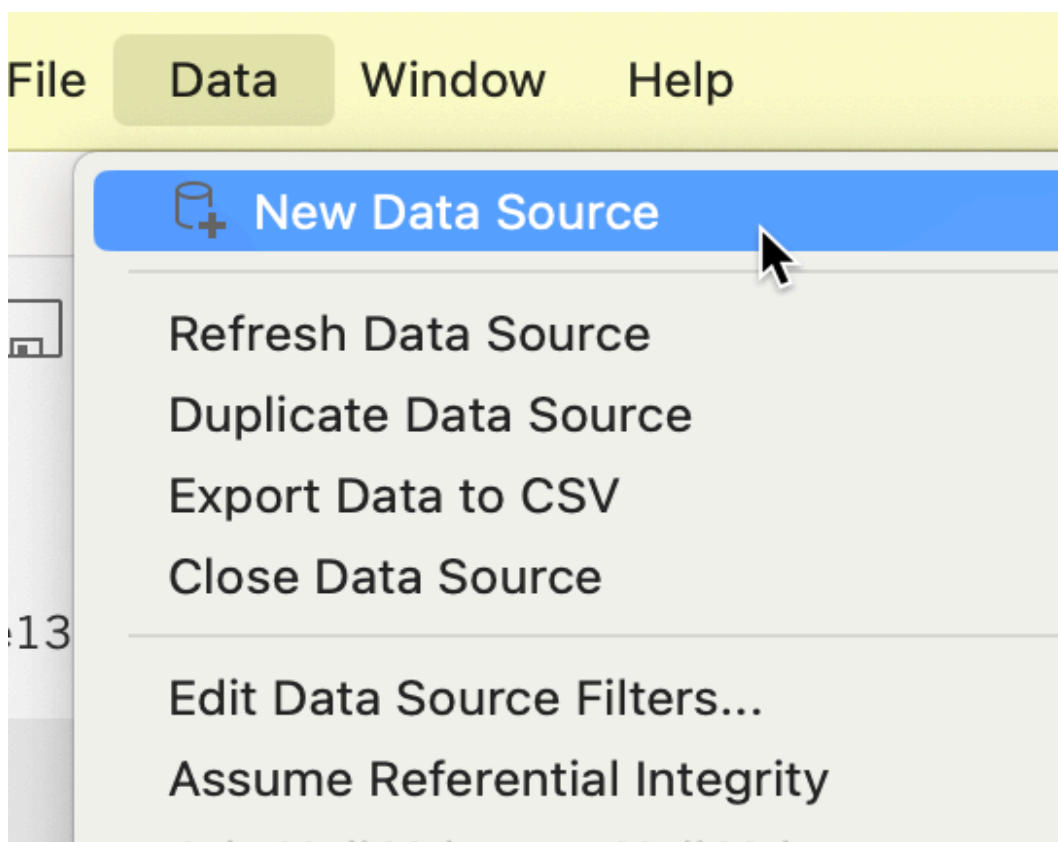
Reading: [Optional] Merge Google Fiber datasets in Tableau

You have discovered many different tools that enable business intelligence professionals to design solutions for stakeholders. Sometimes, you can even use a single tool to do most of the work. Now, you will experience this as you continue working on your end-of-course project.

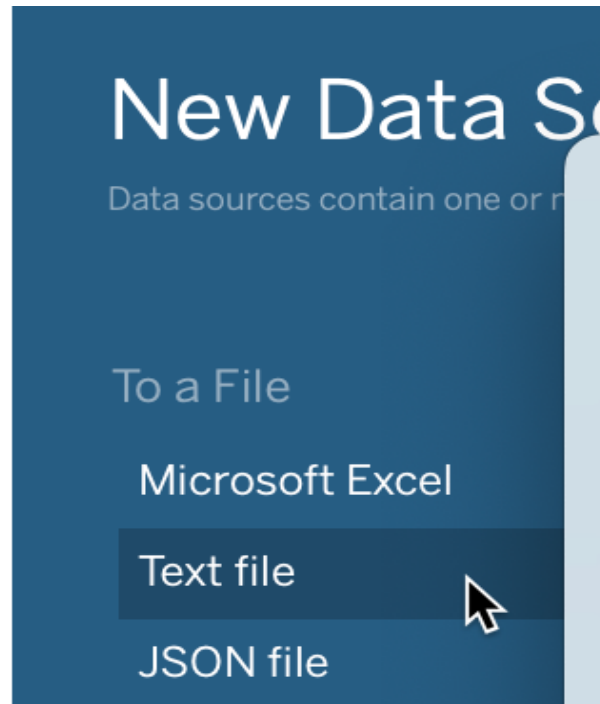
In a follow-up email from the interviewers at Google Fiber, Minna, the lead BI analyst, shared with you that some interviewees have been working directly in Tableau to merge the tables because the columns are consistent across each one. In this reading, you will learn how to merge tables directly in Tableau to prepare for dashboard creation. As a BI professional, being able to use different tools to achieve the same goal is a useful skill. This is just one method you can use to merge these datasets; if you would prefer to only work with BigQuery for this part of the project, you can move on from this optional reading.

Connecting data sources to Tableau

To merge tables as you upload them into Tableau, begin by connecting the first data source. Select the Data drop-down menu and choose New Data Source.



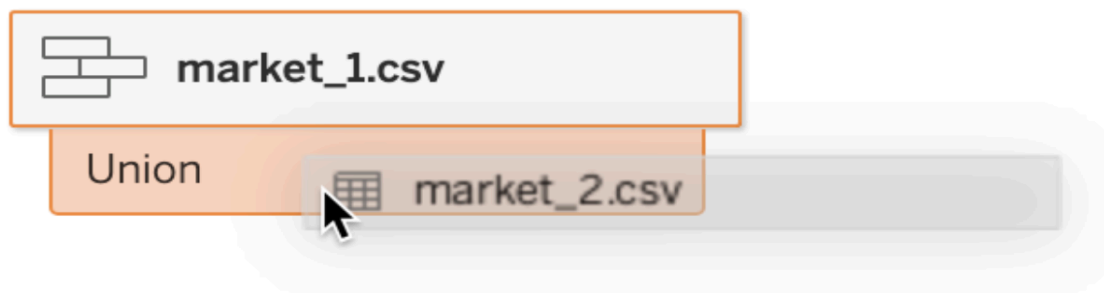
This will open a pop-up menu asking you to choose what data source to connect. Because you are working with CSV files, select the Text file option.



Once you have connected your first data source, add the other two files from the Data source page. Upload the two CSV files into your workbook. After connecting them, they will appear in the Files menu, which enables you to drag the tables into the data connections pane. Drag market_1 into the pane first.















Then drag market_2 underneath the market_1 icon until the Union option appears.

 market_1



This will merge the market_1 and market_2 tables. Next, repeat this process for the market_3 table to finish merging all three tables. Relabel the data source from market_1 to Data, and start working directly with the columns! At this stage, you might decide to rename some of the columns and begin creating preliminary tables. For example, you could rename the Contacts_N_# columns to just Day # instead:

Tables

-  Date Created
 -  New Market
 -  New Type
 -  *Measure Names*
-
-  
 -  Contacts N 5
 -  Contacts N 6
 -  Contacts N 7
 -  Day 0
 -  Day 1
 -  Day 2
 -  Day 3
 -  *Data (Count)*
 -  *Measure Values*

This process makes your final dashboard easier to read and understand for stakeholders who aren't necessarily familiar with source data.

Key takeaways

Often, when creating BI solutions, there are many possible tools you can use. Sometimes you can even use a single tool to do most of the work. This is just one option for getting your data where it needs to be—soon you will be ready to start working on your final dashboard!
