

Module 2: Data Connection With Tableau Desktop

Demo Document II

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Demo II

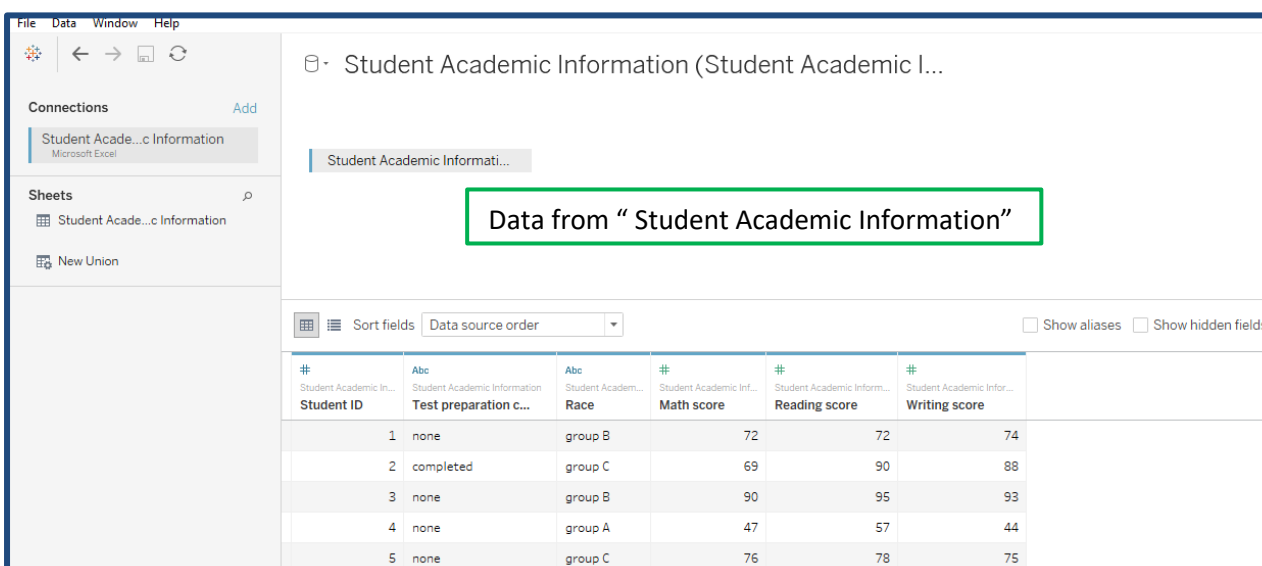
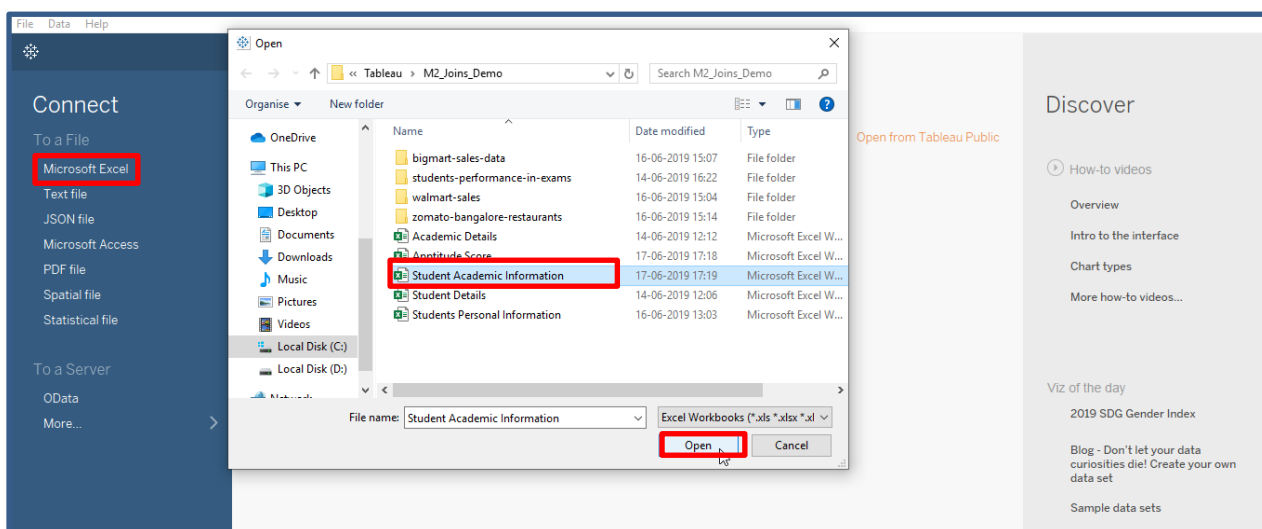
Using data blending, create a report on Students' Performance in Reading and Aptitude Tests as both the data are captured on different systems.

Demo II – Solution

Data Blending in Tableau

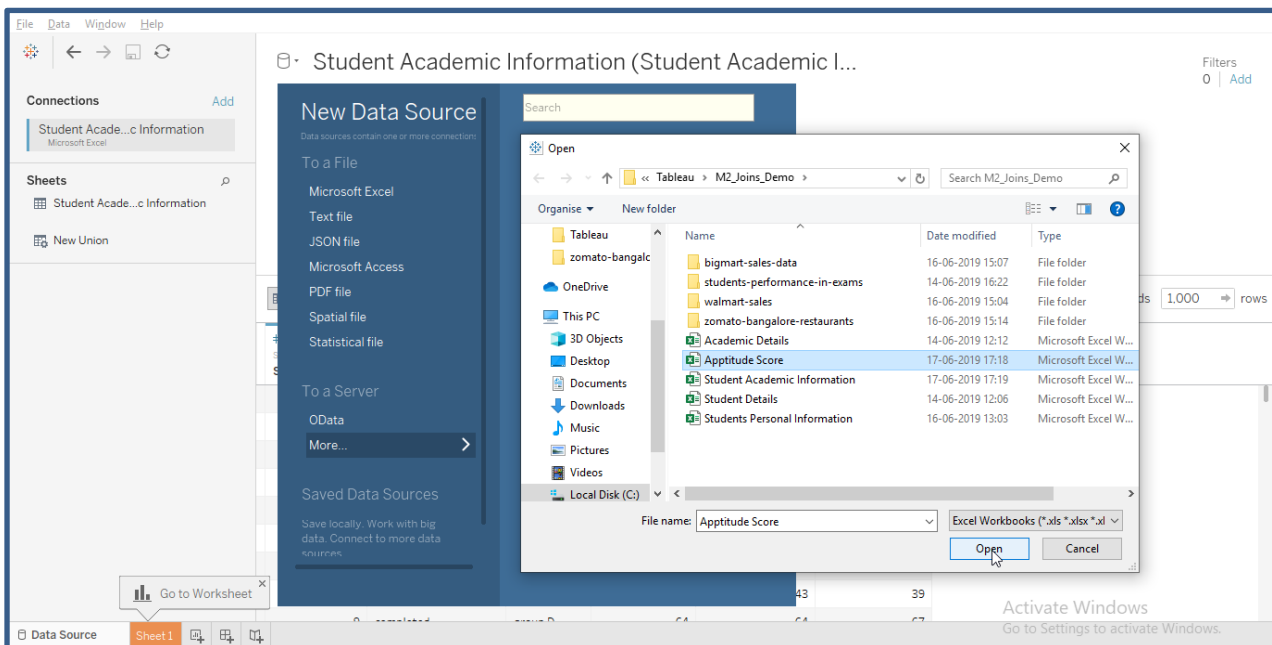
Data Blending allows us to combine the data from multiple sources in a single view. Instead of joining the data at the row level, data blending sends separate queries to separate data sources and aggregates the result to a common level back in Tableau.

Step 1: Connect to “Microsoft Excel” → “Student Academic Information data source” → Open

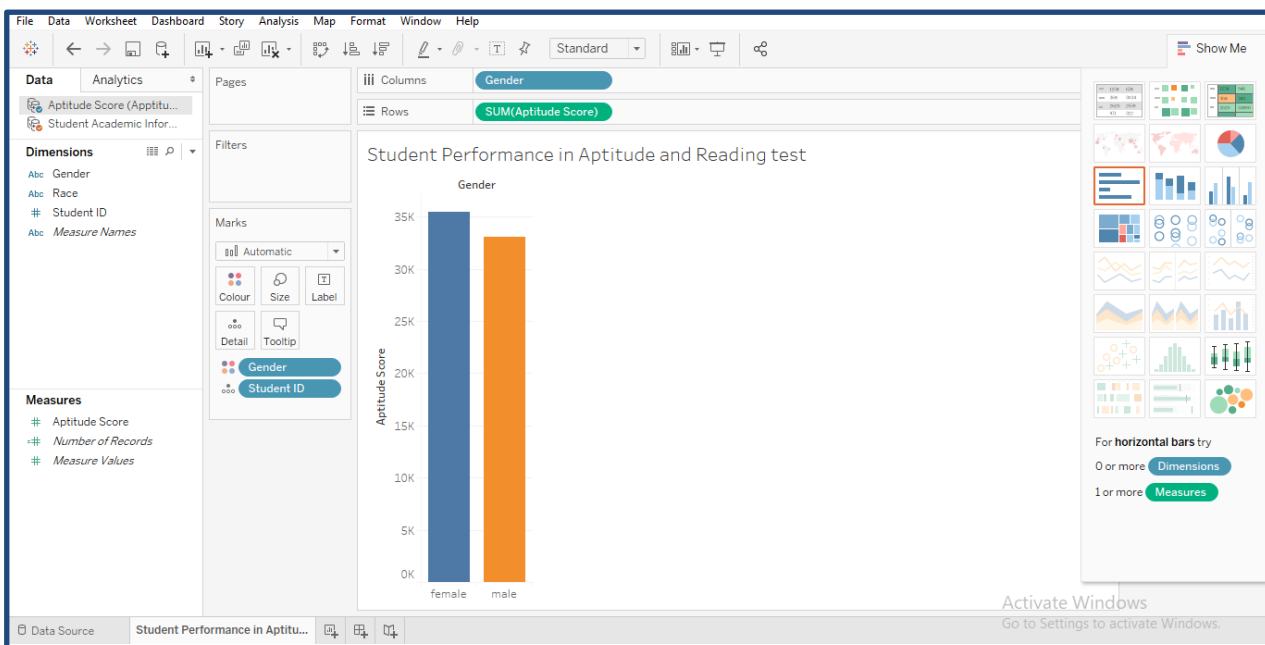


Step 2: To add a new data source click on “Data” → “New Data Source” → “Microsoft excel” → “Select Aptitude Score” → “Open”.

Step 3: Click on sheet tab to start building your view.

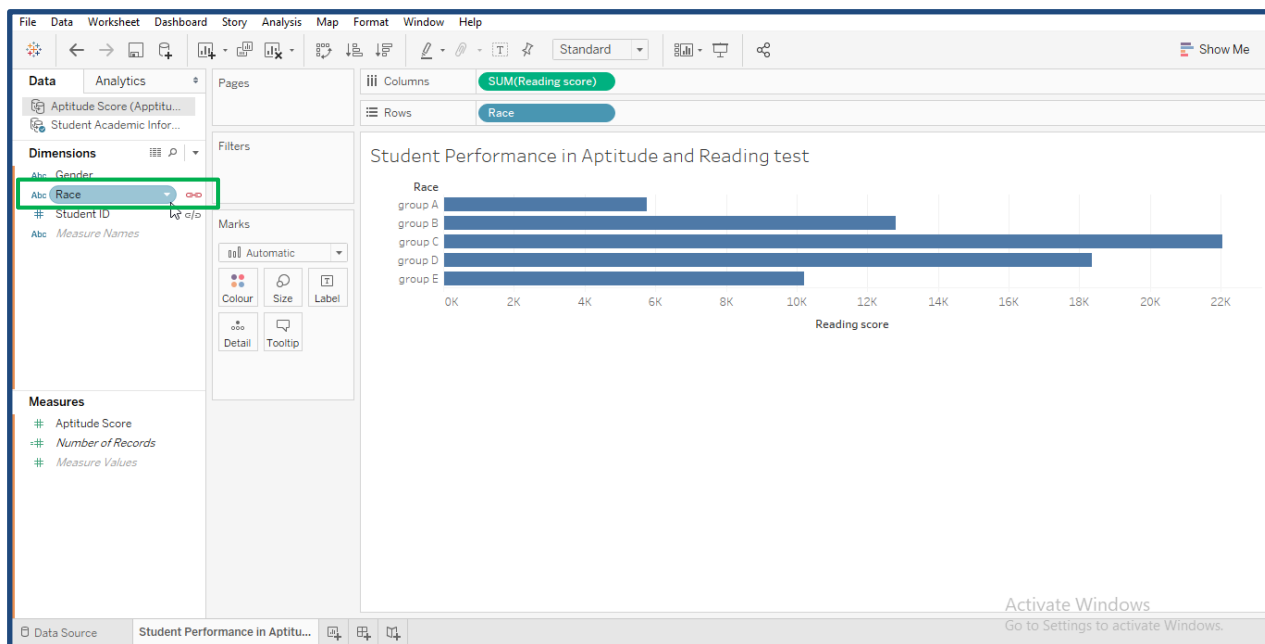


Step 4: In the Data pane, click the data source that you want to designate as the primary data source. Here, Aptitude score is selected as primary data source.



Fields used in the view from data sources that are not the primary data source or active links automatically designate subsequent data sources as the secondary data source, in this case, “Student Academic Information” is the secondary data source.

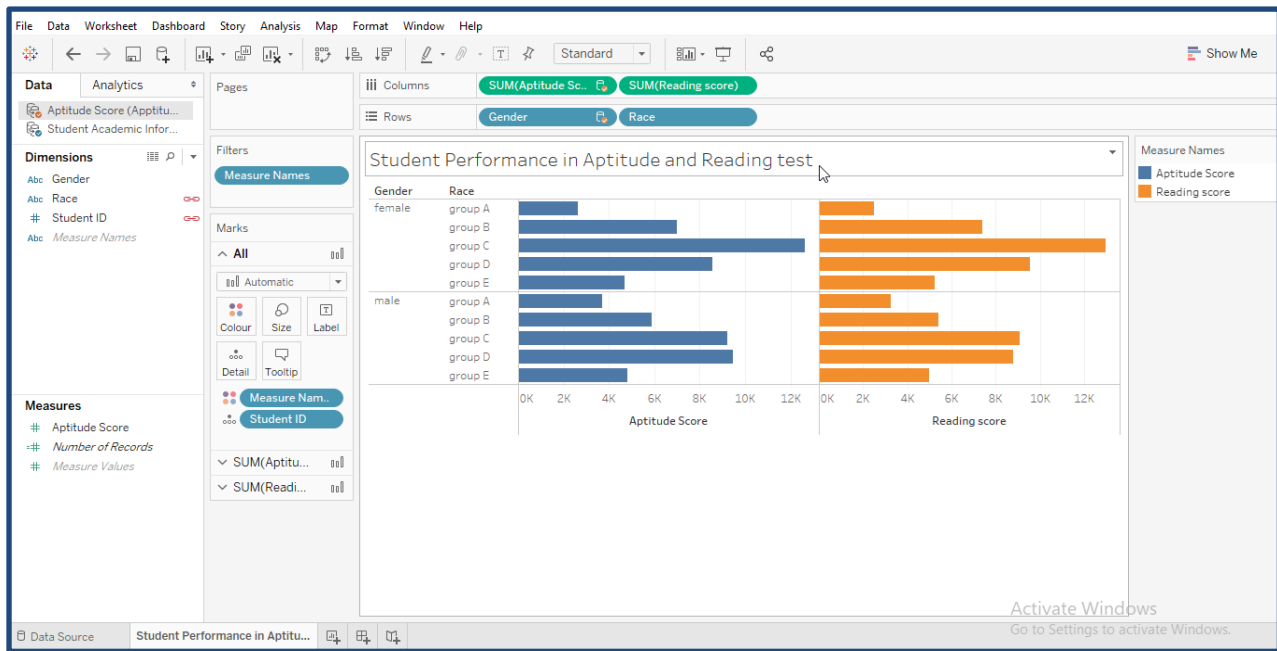
Now, you can integrate the data from both the sources based on a common dimension (Race in this case). Note that a small link image appears next to the dimension – Race. This indicates the common dimension between the two data sources.



Step 5: Create a bar chart by dragging:

- Aptitude Score and Reading Score to Column shelf
- Race and Gender to Row shelf

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This chart shows how the Scoring ratio varies for each Race and Gender in Aptitude and Reading Tests.

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