Talend Data Integration: Merge two data sets into one.

Step:

Open Talend Data Integration Studio:

Launch the Talend Data Integration tool and open your project.

Create a New Job:

Right-click in the Repository panel on the left under Job Designs.

Choose Create job.

Provide a name for the job and a description, if desired. Click Finish.

Add a tFileInputDelimited Component:

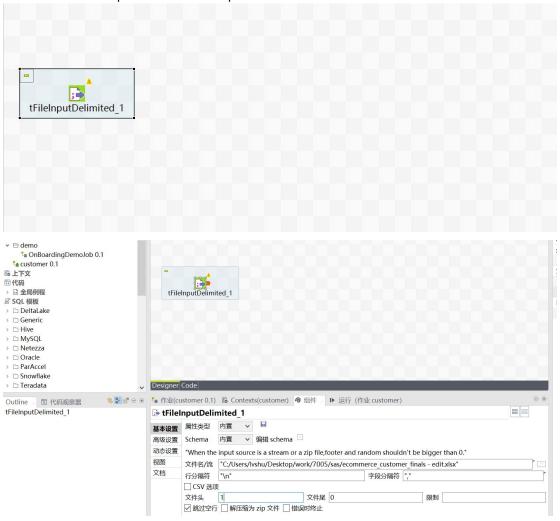
This component is used to read delimited files like CSV.

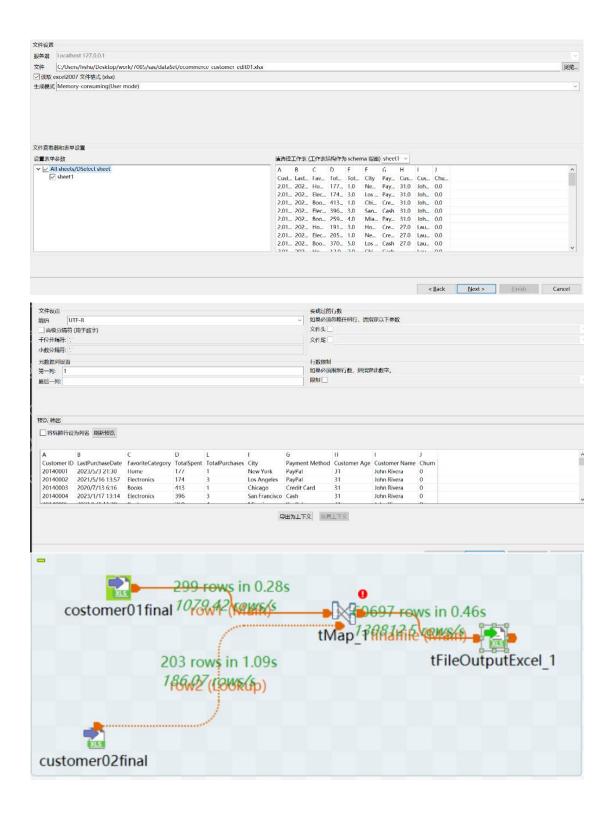
From the Palette panel on the right, type "tFileInputDelimited" into the search bar.

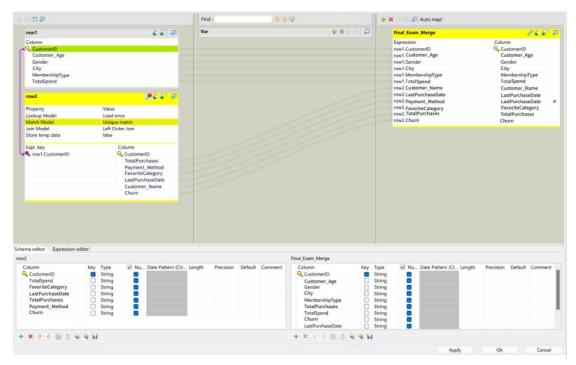
Drag the tFileInputDelimited component to the design workspace.

Configure the tFileInputDelimited Component:

Click on the tFileInputDelimited component to select it.

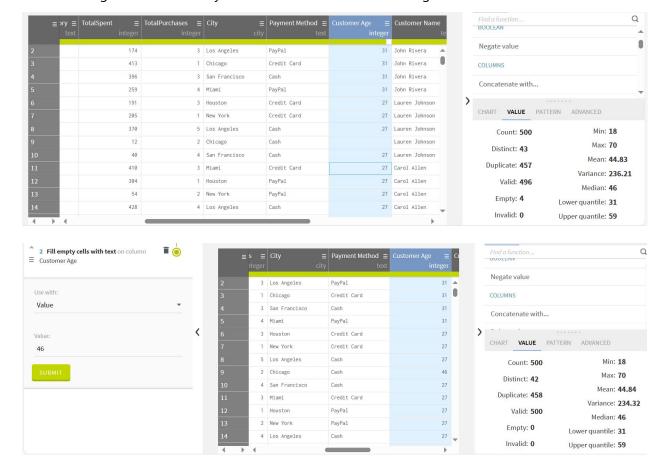


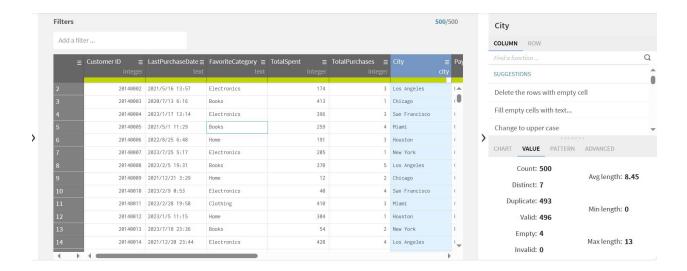




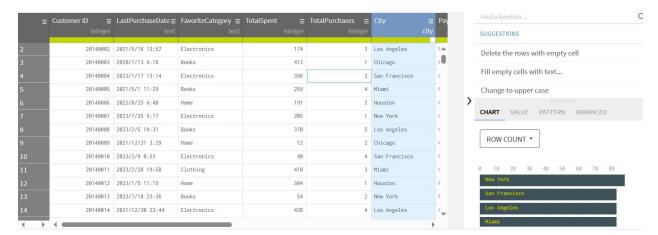
Talend Data Prep: Remove missing values

When clicking on each column you can see the number of missing values in that column.

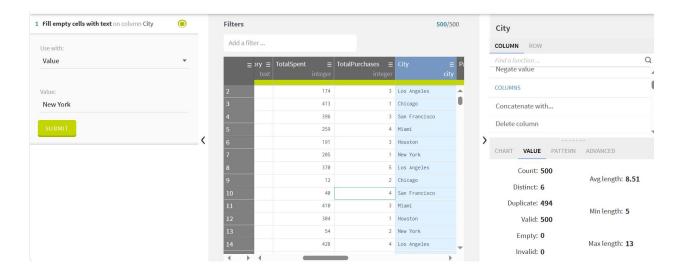




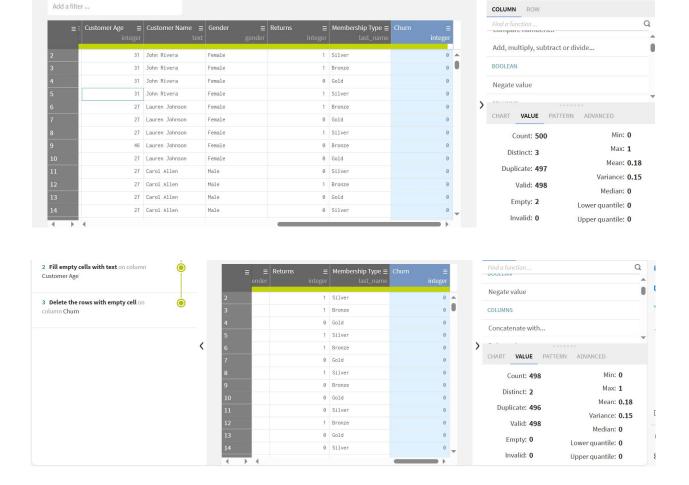
The city names with the highest frequency of occurrence usually represent the major cities in the dataset, and populating such city names helps to maintain the consistency of the overall data distribution. For missing addresses, this experiment uses taking the city name with the highest frequency of occurrence to fill it.



As shown, New York is the most frequent. So fill in the four missing city names as New York.



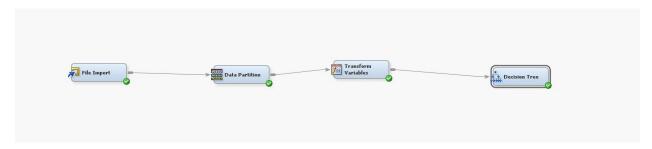
For critical attributes such as missing churn value, where there are few missing values, the deletion of missing values is used to deal with it. Churn value is usually a critical attribute in user churn prediction as it directly reflects whether a user is churned or not. In this case, it is important to ensure the accuracy of this attribute as it is the target variable for model training. Removing missing values avoids introducing uncertainty about the accuracy of user churn prediction during the modeling process.



SAS e-Miner:

decision trees:

- 1. To create a project: Select the "File" menu and then select "New Project". Name the project and set the properties of the project.
- 2. Create a flowchart: In the project, select the "Diagram" menu, and then select "Create Diagram".
- 3. Import data: In the project, import the dataset that contains the data you want to analyze.
- 4. Set the ratio of test set to validation set
- 5. Configure the decision tree nodes.
- 6. Run the entire flowchart. Select the "Run" menu and then select "Run Diagram".



Cluser:

