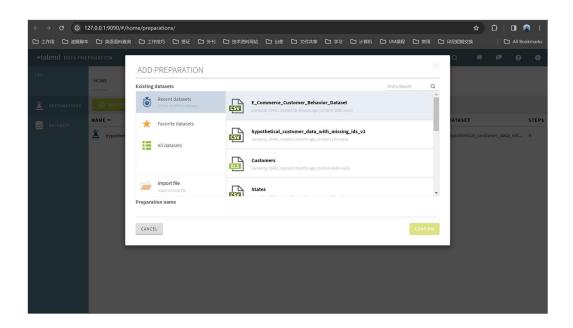
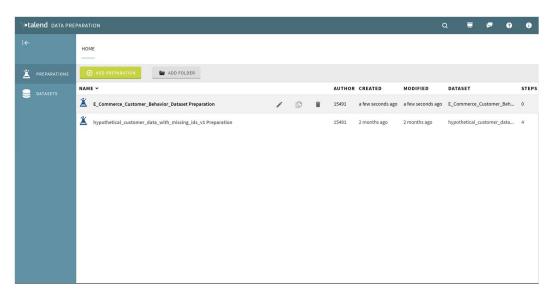
Talend Data Preparation: Data Pre-Processing

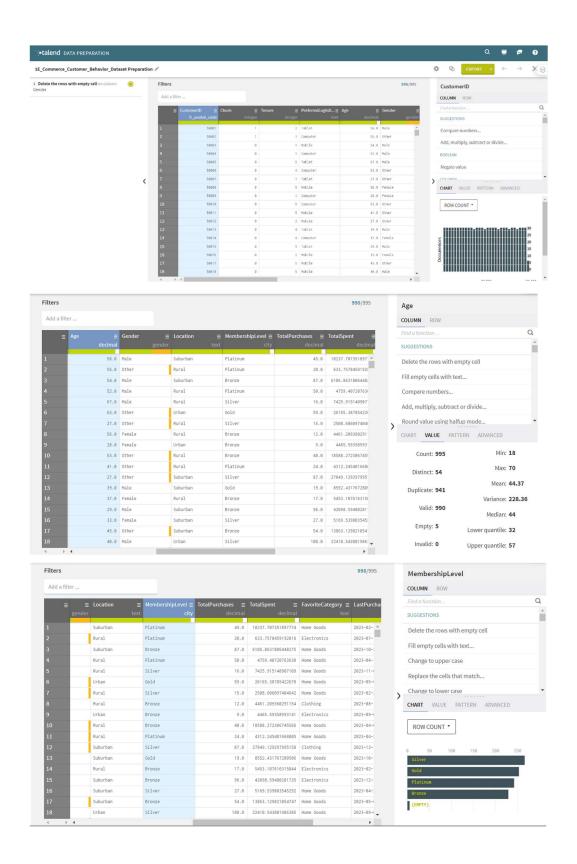
Talend Data Preparation:

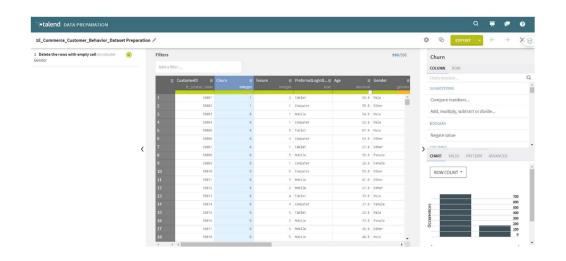


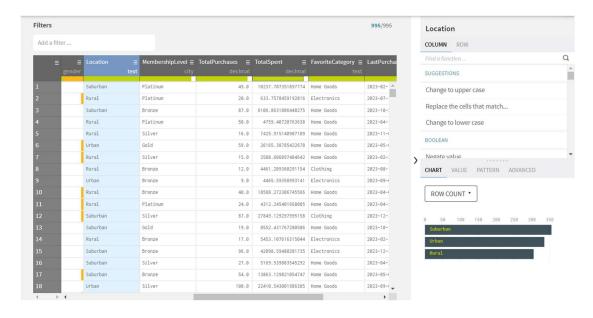


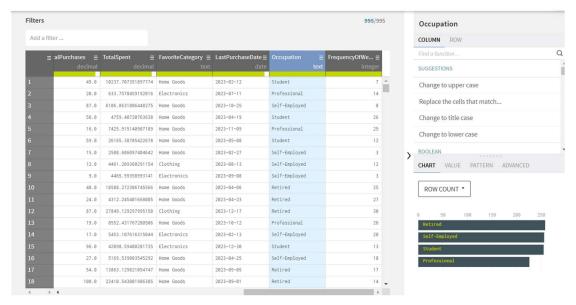
Find patterns and visualization for all the columns/variables:

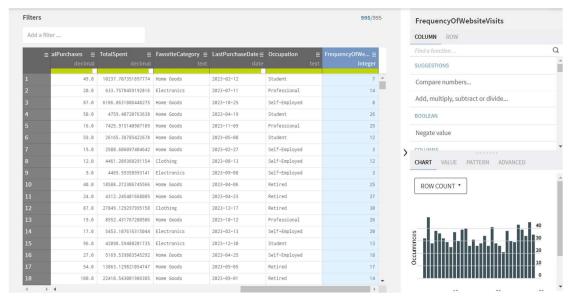
We can observer the white gap for each variables represents the missing values.



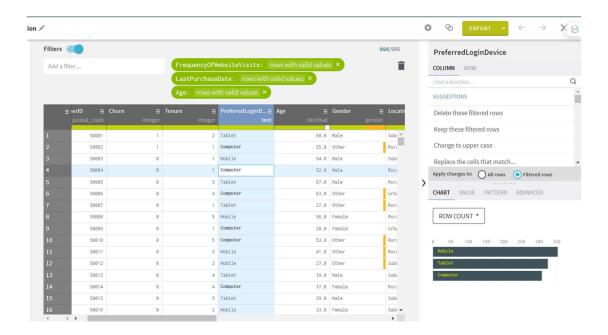






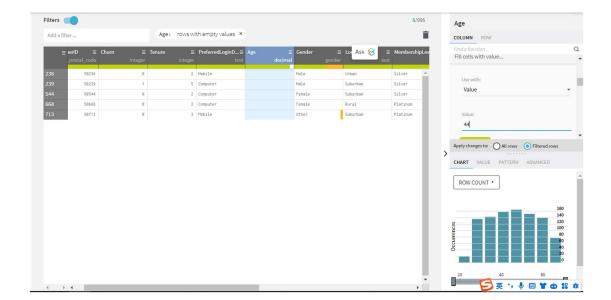


We can select the rows with valid values:

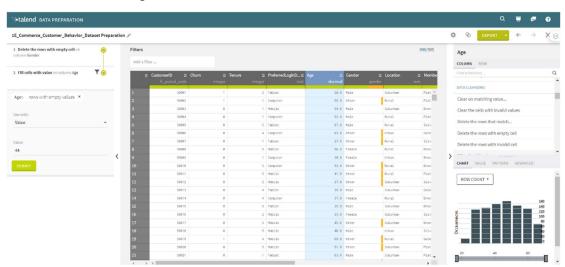


Sample of filling the missing values, including age (numeric), MembershipLevel (string), and other variables (delete unimportant rows):

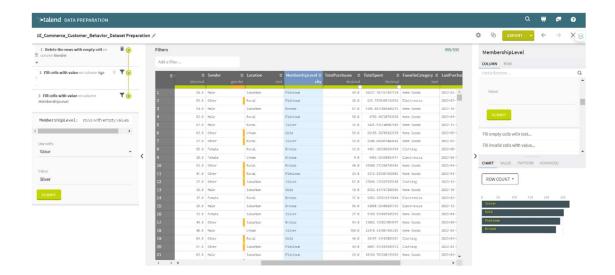
First select the rows with empty cells.



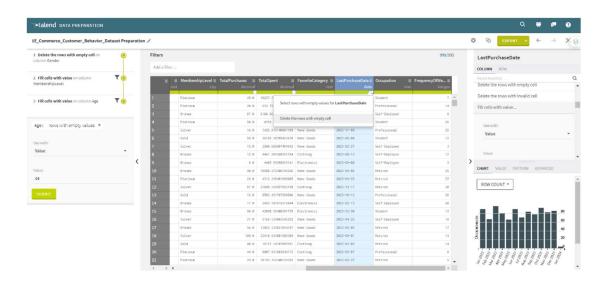
And then fill the missing values with median/mean number.



For the variables with missing value type of string/text, use the same method, impute the most frequent value based on the distribution.



Other variables, delete unimportant rows with empty values.



And then we finish the data pre-processing part.

