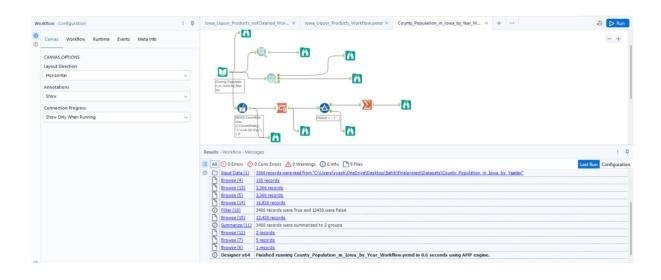
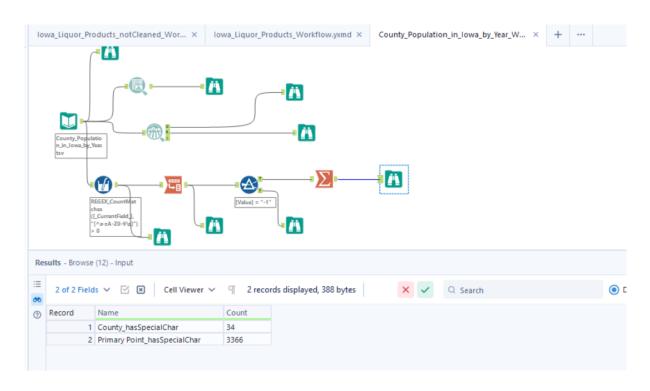
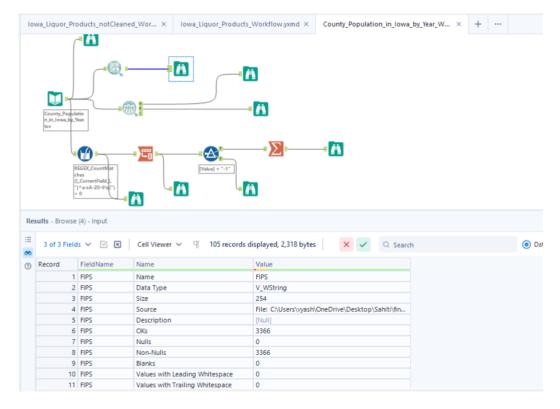
#### **COUNTY POPULATION BY YEAR**

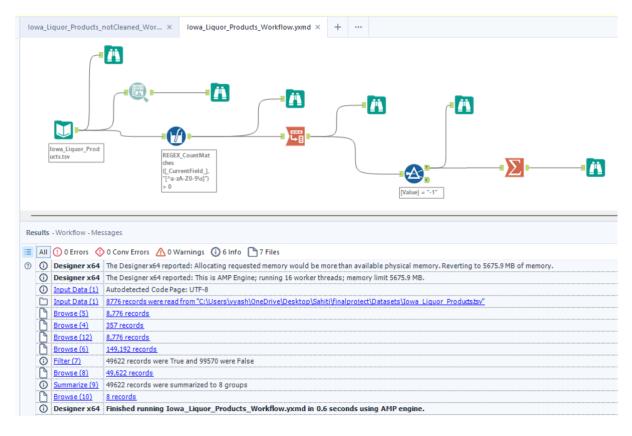


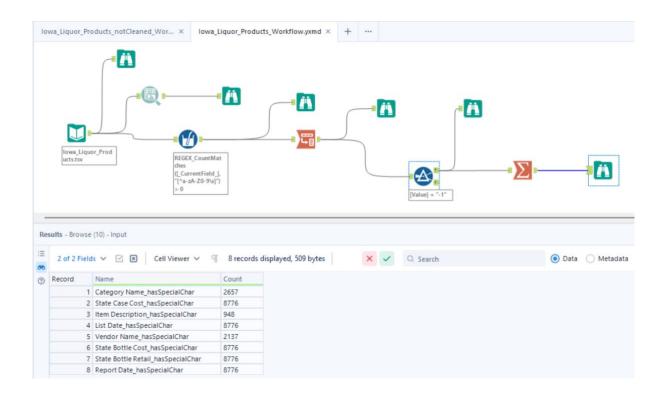


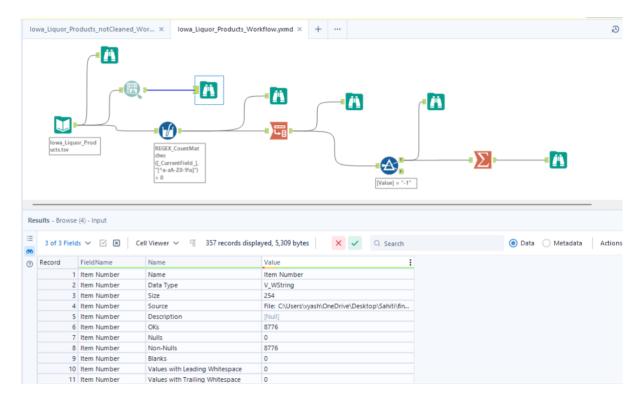


Inference – There are 3366 records, with PRIMARY POINT that needs to be split into LATITUTDE AND LONGITUDE

# IOWA\_LIQUOR\_PRODUCTS

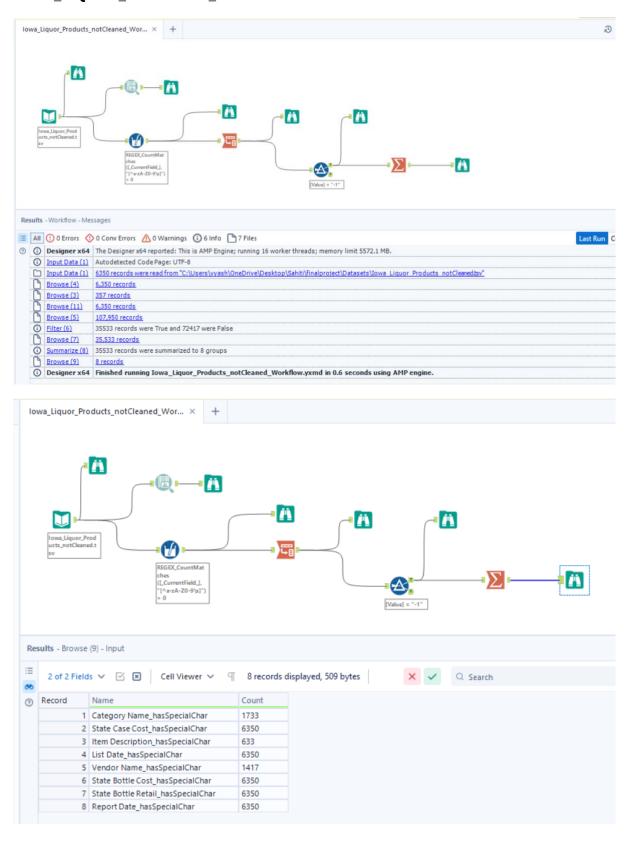


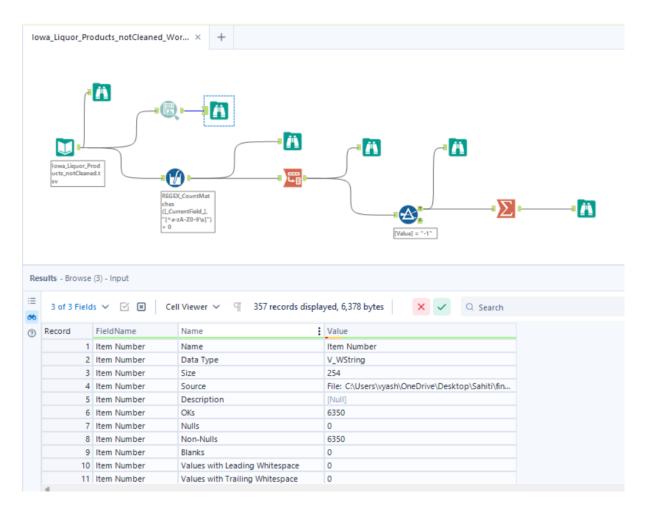




Inference – This has 8776 records with all camel case that have been converted to upper case while cleaning. There are records with UPC corresponding to NULL values in SCC.

## IOWA\_LIQUOR\_PRODUCTS\_NOTCLEANED

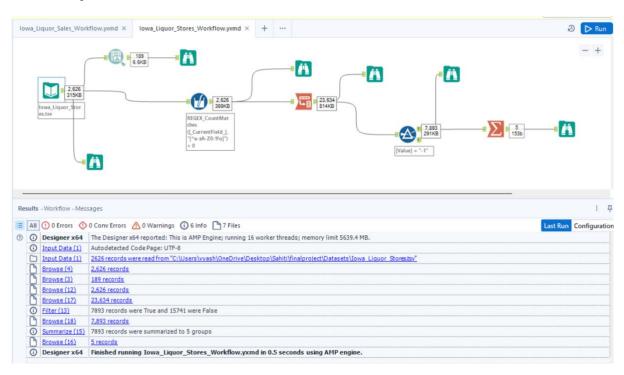


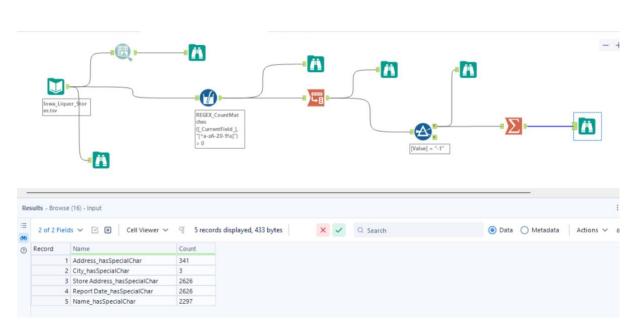


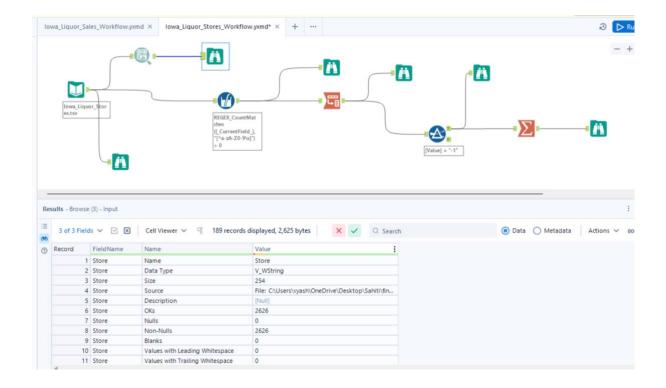
Inference – There are 6350 records with camel cases. There are fields with SCC values corresponding to NULL values in UPC field.

Difference between CLEANED AND NOTCLEANED files – data value differences between UPC and SCC as mentioned above and there are 6344 records common between both the files i.e. there are 6 records present in NOTCLEANED file which are missing from CLEANED, we plan to deal with this my merging both the files hence getting all records.

#### IOWA\_LIQUOR\_STORES

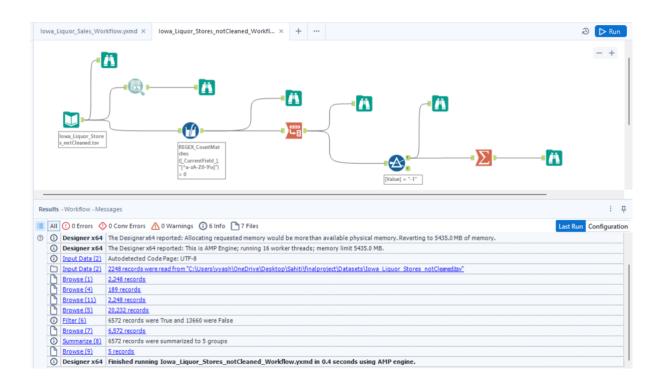


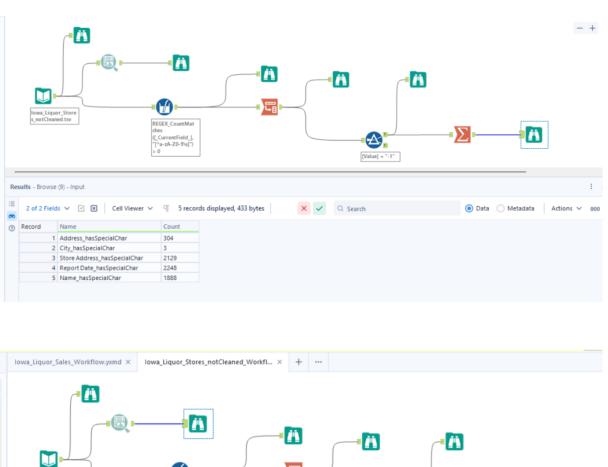


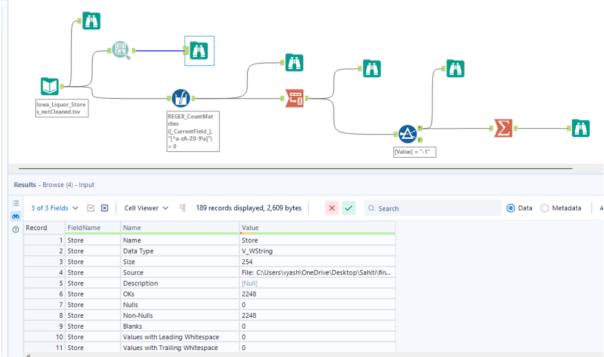


Inference - There are 2626 records with no NULLS.

# IOWA\_LIQUOR\_STORES\_NOTCLEANED



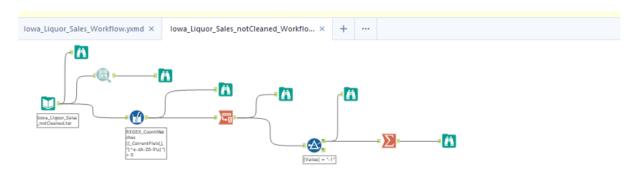


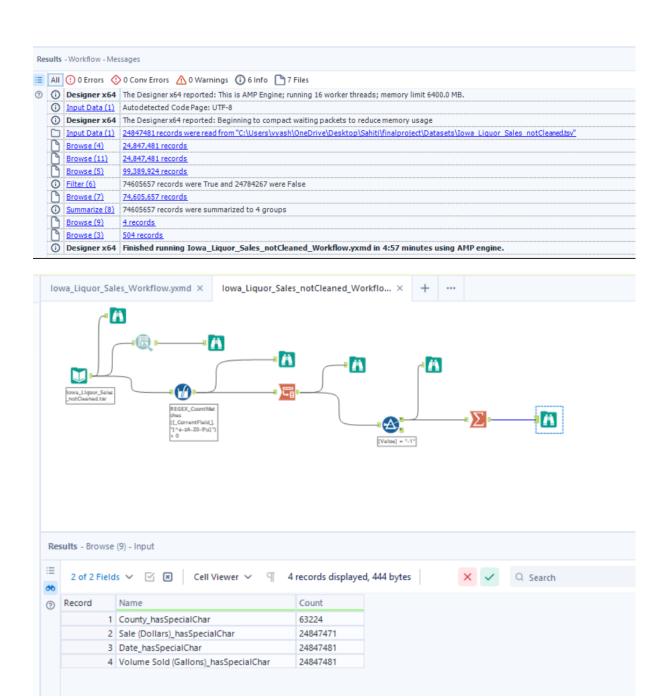


Inference - There are 2248 records with NULLs in Address field.

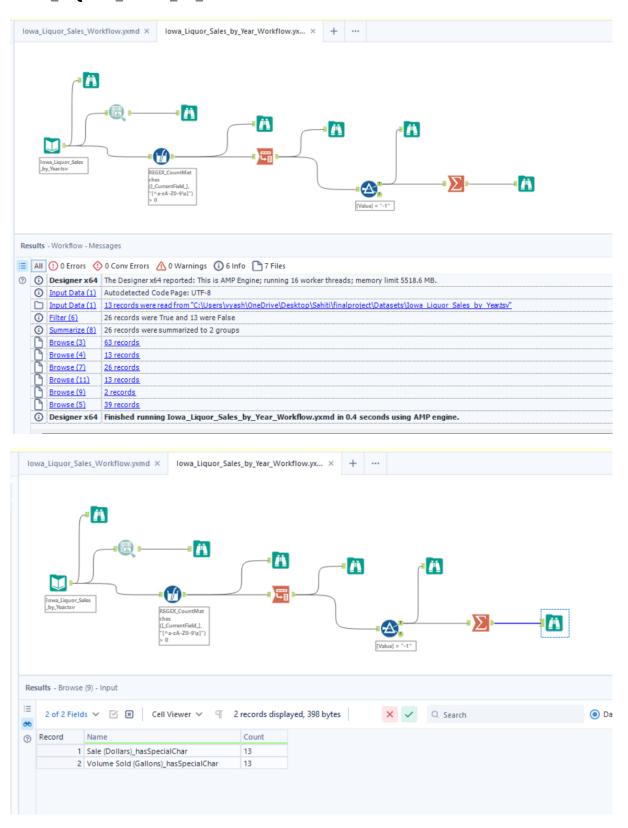
Differences – Except for the NULLs there are not many differences. NOTCLEANED and CLEANED files have 2248 common records i.e. all records from NOTCLEANED file are present in CLEANED file, hence no missing records.

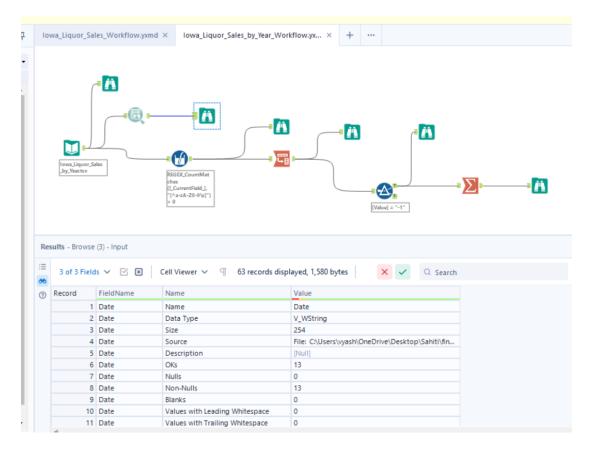
#### IOWA\_LIQUOR\_SALES\_NOTCLEANED





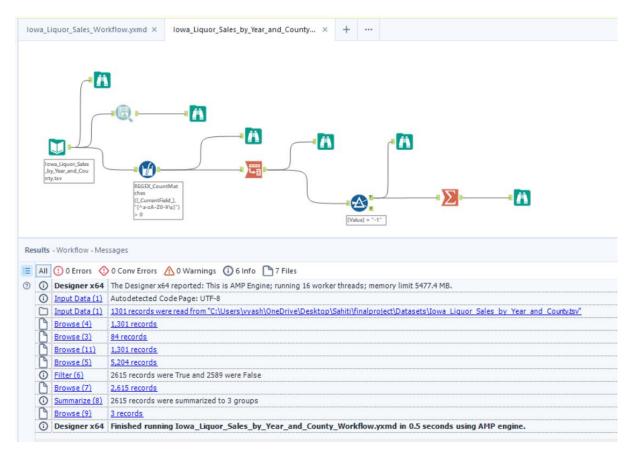
## IOWA\_LIQUOR\_SALES\_BY\_YEAR

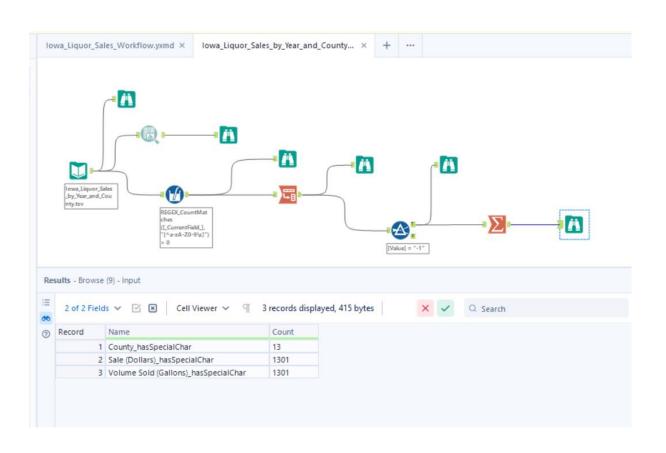


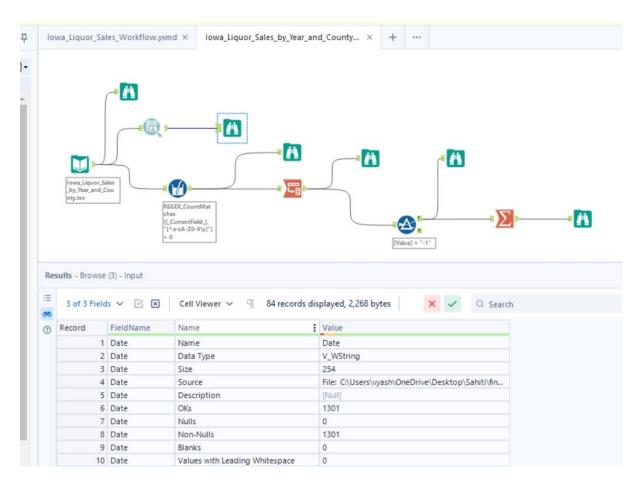


Inference – There are 13 records. It gives the sales for year wise.

# IOWA\_LIQUOR\_SALES\_BY\_YEAR\_COUNTY

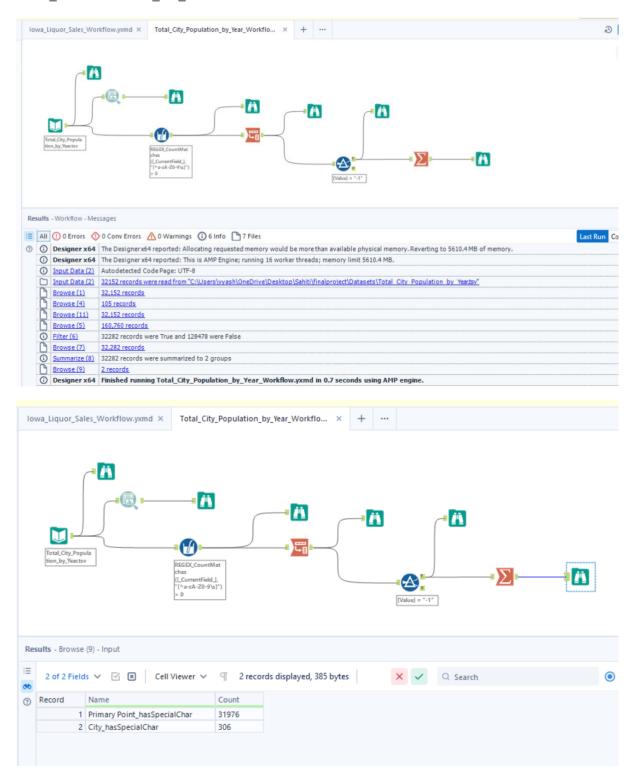


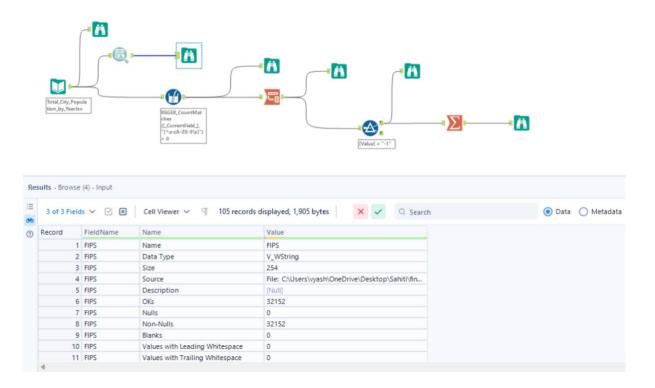




Inference – There are 1301 records where DATE and COUNTY fields act as a combined primary key. It gives the sales numbers by year and county wise.

## CITY\_POPULATION\_BY\_YEAR





Inference - There are 32152 records.