ASSIGNMENT 3

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Data Wrangling in Trifacta

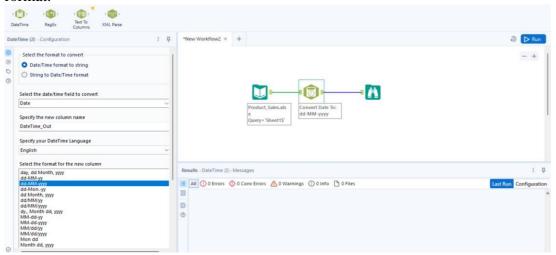
1: Import the Dataset

- 1. Open Alteryx Designer.
- 2. Use the "Input Data" tool to import the Product Sales.xlsx file.
 - Drag the "Input Data" tool onto the canvas.
 - o In the configuration panel, select your Excel file and choose the appropriate sheet.

2: Clean the Data

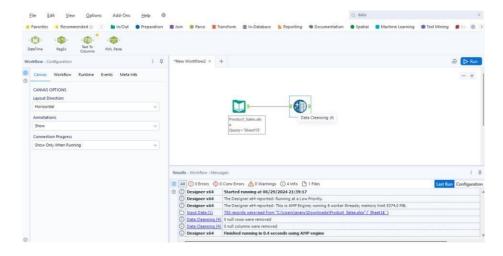
1. Parse Dates:

 Use the "DateTime" tool to ensure the Date column is in the correct date format.



2. Handle Missing Values:

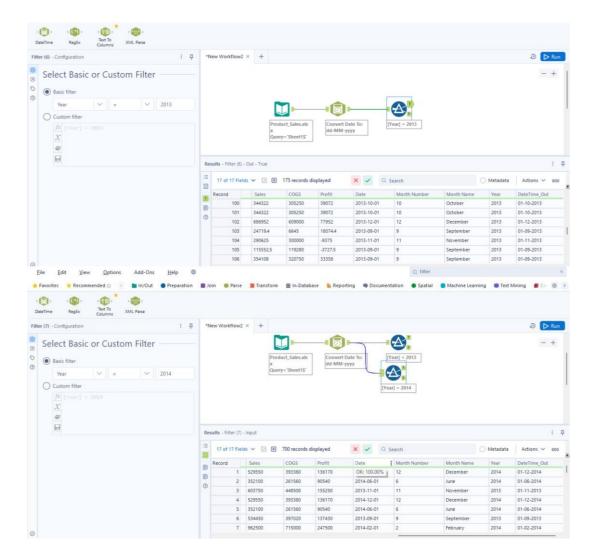
 Use the "Data Cleansing" tool to handle missing values, either by filling them or removing rows with missing data



3: Filter Data for the Relevant Years

1. Year Filtering:

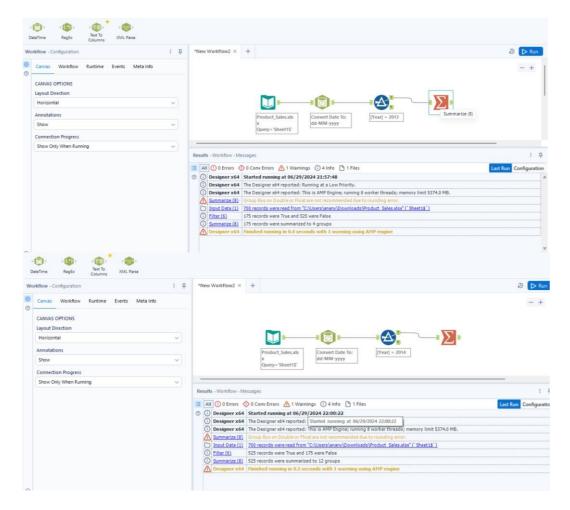
 Use the "Filter" tool to include only rows where the Year column is either 2013 or 2014.



4: Additional Data Transformation

1. Summarize Sales Data by Month:

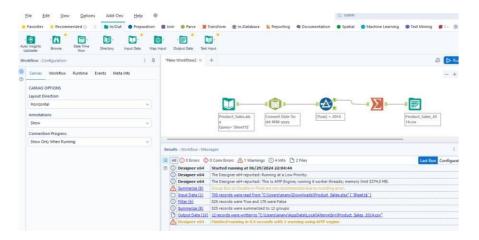
 Use the "Summarize" tool to aggregate data for Month-wise Sales and Units Sold.

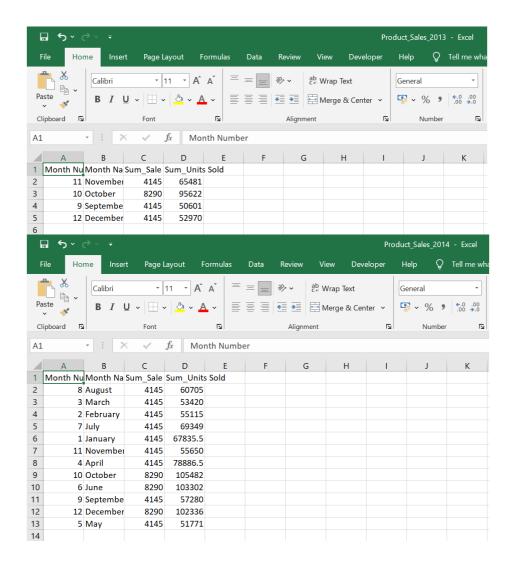


5: Export the Cleaned Data

1. Export:

 Use the "Output Data" tool to export the cleaned dataset in a format suitable for Tableau, such as CSV or Excel.

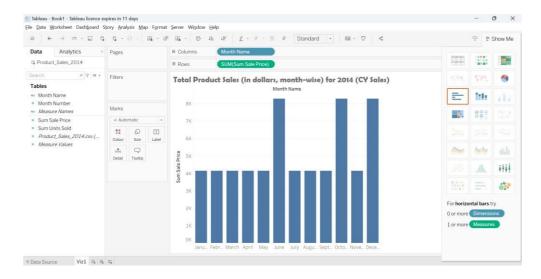




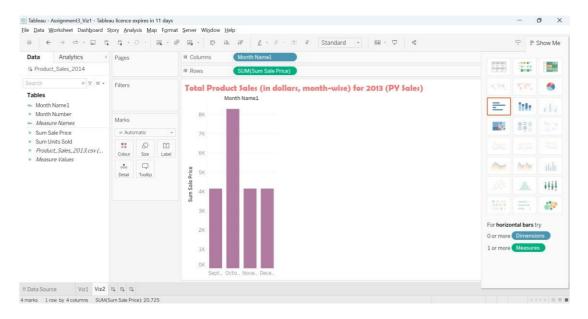
Visualization in Tableau

After exporting the cleaned data, you can import it into Tableau and create the required visualizations:

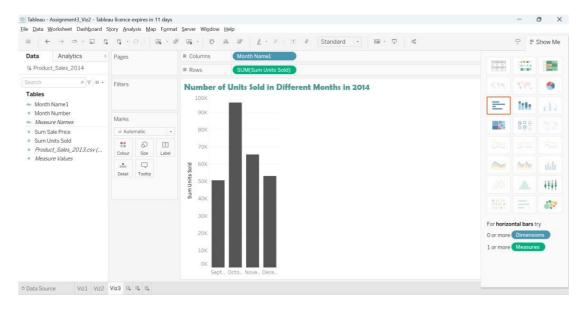
1. **Monthly Sales for 2014**: Bar chart of total sales month-wise for 2014.



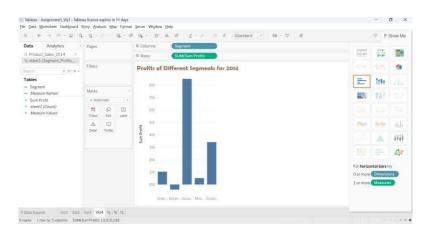
2. **Monthly Sales for 2013**: Bar chart of total sales month-wise for 2013.



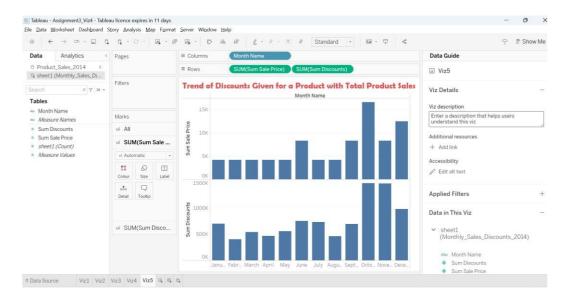
3. **Units Sold**: Bar chart of units sold in different months in 2014.



4. **Profit by Segment**: Bar or chart of profit by segment for 2014.



5. **Discount and Sales Trend**: Bar charts of discount and total sales trends.



Dashboard:

