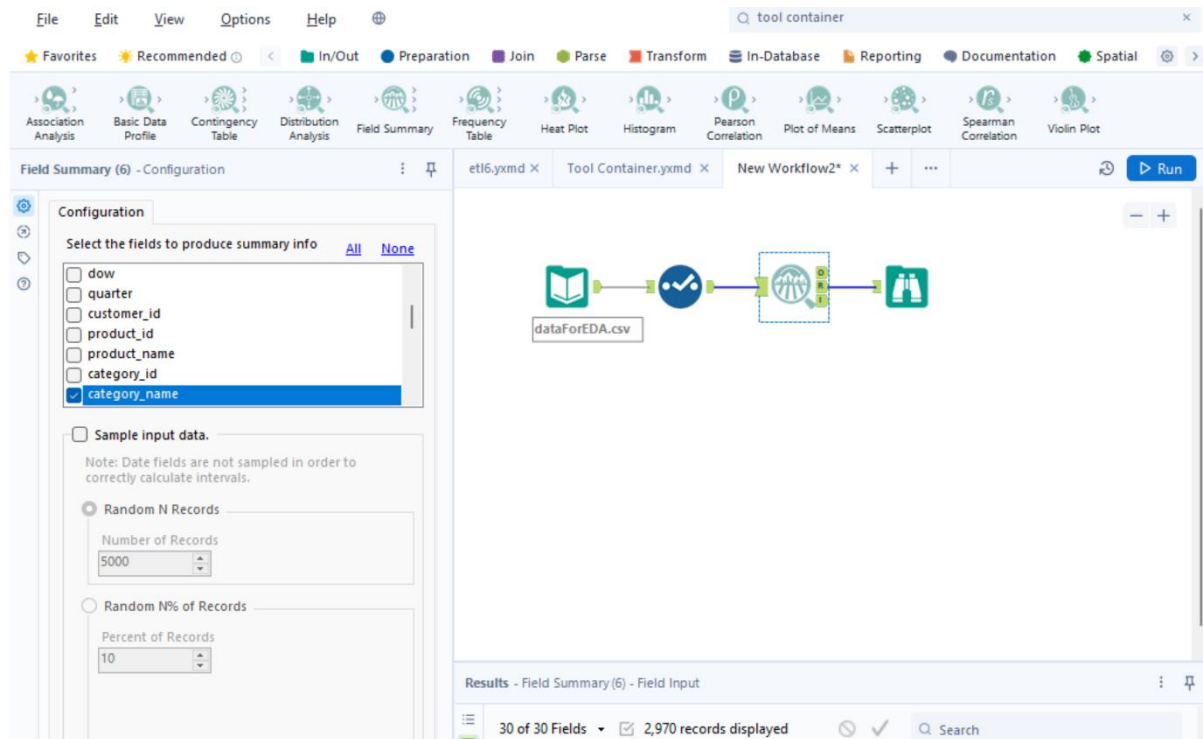


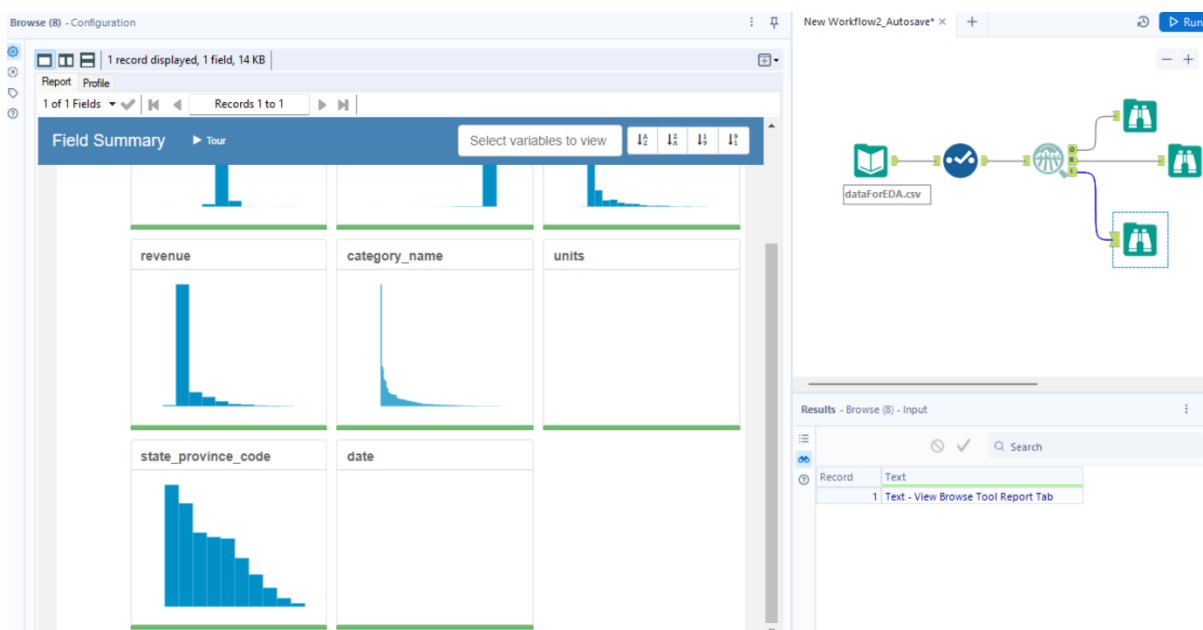
Alteryx – Exploratory Data Analysis

EDA 1 - Create Histograms

Using Data Investigation - Field Summary

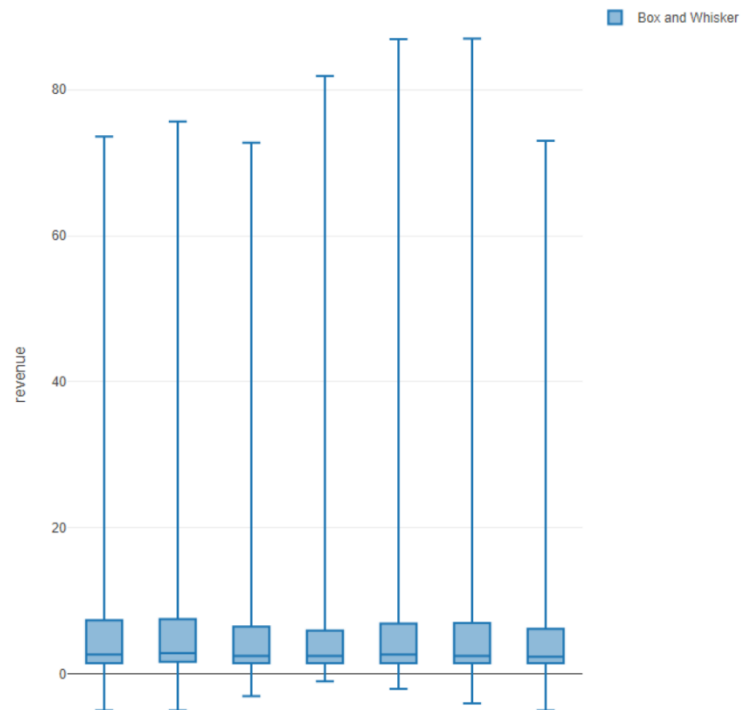


Interactive mode – Numeric fields such as revenue are histograms

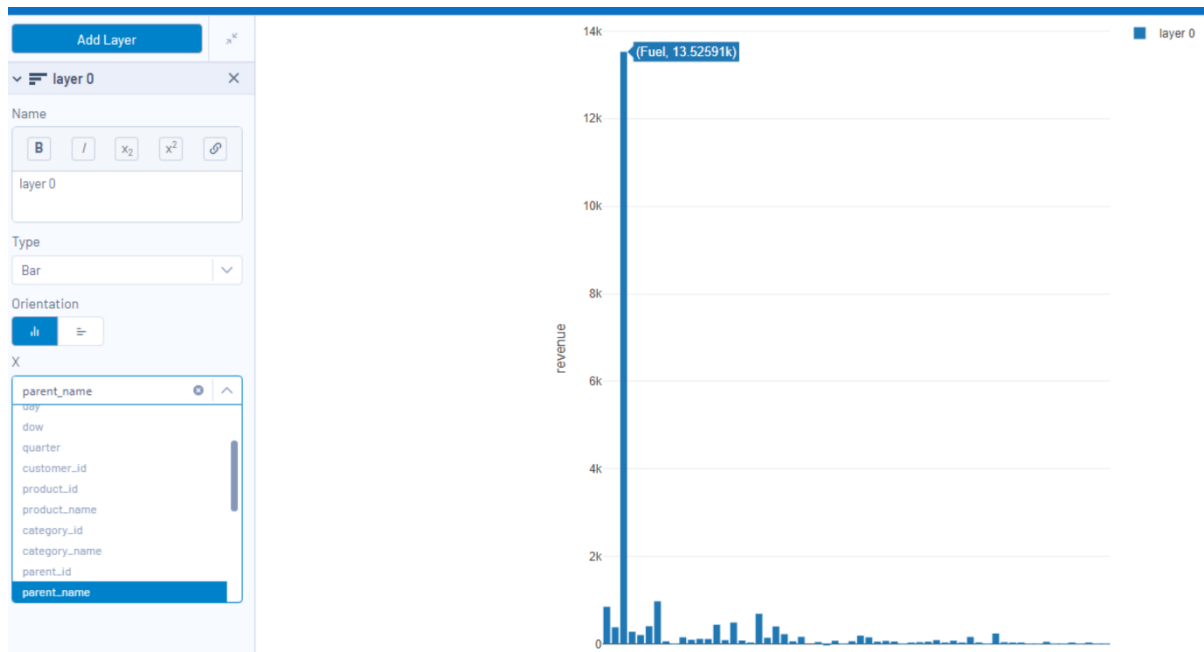


EDA 2 – Creating Interactive Charts

Boxplot – Distribution of Revenue by Day of Week (plots provided by Plotly)



Bar chart - Parent name / revenue

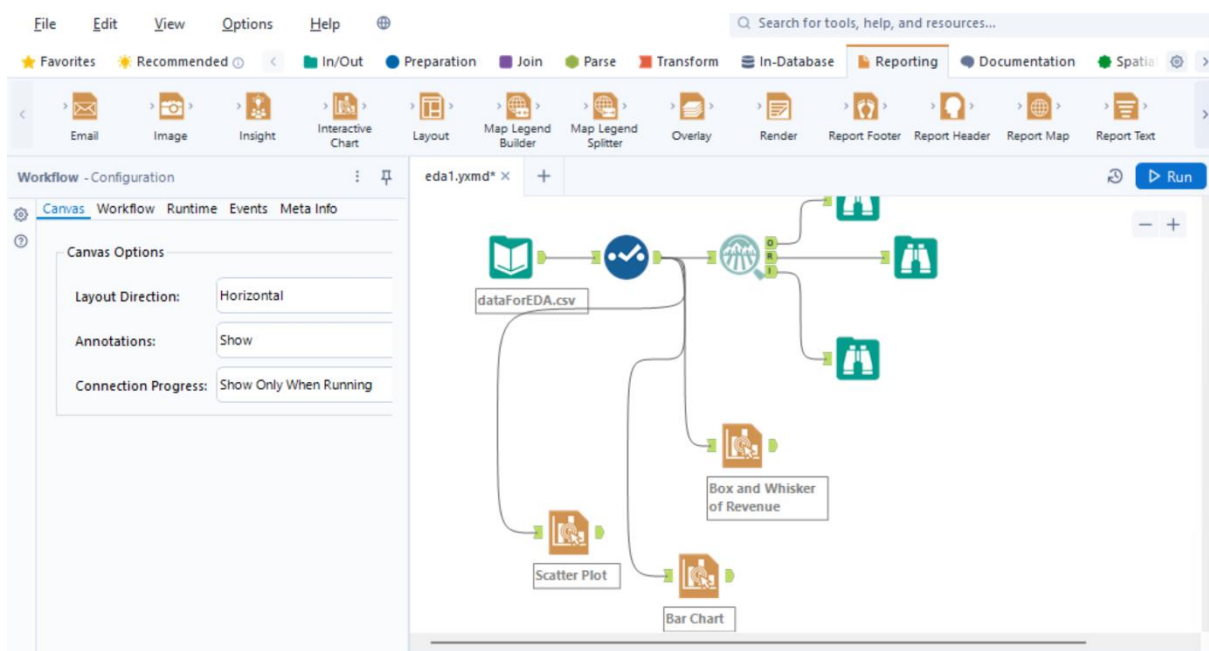


Scatter plot

Gross Profit Margin by Revenue



Interactive Chart tool



EDA 3 – Summary Tables

Summarize (12) - Configuration

Fields:

Field	Type
unique_id	V_String
transaction_id	V_String
date	Date
year	Int16
month	Int16
day	Int16
dow	V_String
quarter	Int16
customer_id	V_String
product_id	V_String

Actions:

Field	Action	Output Field Name
state_province_code	Group By	state_province_code
dow	Group By	dow
revenue	Sum	Sum_revenue
gross_profit	Sum	Sum_gross_profit

Results - Summarize (12) - Input

2,970 records displayed

EDA 4 – Saving Plots and Tables to a Report

Join Multiple (16) - Configuration

Options:

Input	Field	Type
Input_#1	Chart	V_WString
Input_#2	Chart	V_WString
Input_#3	state_province_code	V_String
Input_#3	dow	V_String
Input_#3	Table	V_WString
Input_#4	Chart	V_WString
Input_#4	*Unknown	Unknown

Workflow: The workflow connects the Join Multiple tool to four visualization tools (Scatter Plot, Box and Whisker of Revenue, Bar Chart, and Basic Table) and then to a Report Builder tool.

Rendering of Report

The screenshot displays the QlikView Report Designer interface, specifically the 'Render (18) - Configuration' window. The left sidebar contains configuration options for the report, including Output Mode (Temporary PDF Document), Output File, Group Data Into Separate Reports, Report Data, Report Style, and Paper Size (Letter (8.5" x 11")). The main workspace shows a data flow diagram with various visualization components: Scatter Plot, Box and Whisker of Revenue, Bar Chart, and Basic Table. These components are connected to a central data source (Basic Table) and then to a 'Vertical Layout Each Individual Record' component. The 'Vertical Layout Each Individual Record' component is highlighted with a red box. The bottom status bar indicates 'Results - Render (18) - Messages' and shows '0 Errors', '0 Conv Errors', '0 Warnings', '0 Info', and '1 Files'. The 'Render (18)' message is highlighted with a red box, showing the file path: 'C:\Users\valaz\AppData\Local\Temp\Engine_25760_09f6b18d00a59f4aa29280999e6bb187_1\Engine_25760_5703121900ce7f4fa'.