

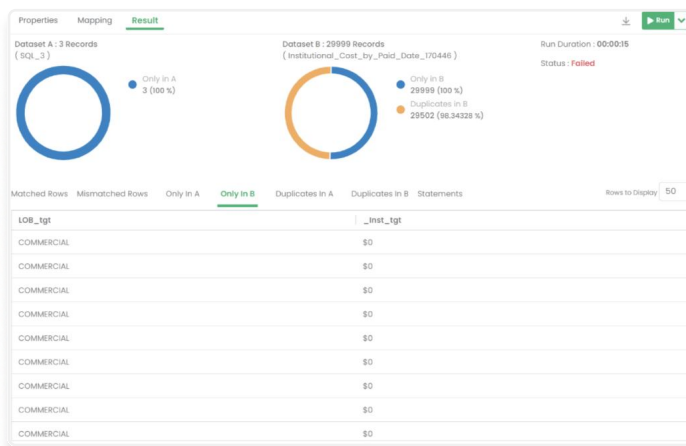
Time-out issue while retrieving high volume of data from PowerBi in test automation using DataGaps.

THE PROBLEM

While retrieving a high volume of data using SQL or PowerBi DAX Query in DataGaps for test automation, it may result in a Time Out error.

For Example -

When we compare large volumes of aggregate data with the PowerBi and SQL component, we get the following results:



SOLUTION

In DataGaps, use a DAX Query component for adding FILTER criteria to pull selective data instead of full data. Syntax shown as below:

```

Evaluate
(
    Summarize (
        FILTER (
            [Table Name],
            Table Name [Column Name] = [value] [condition like &&,
            Table Name [Column Name] = [value] ...
        ),
        Table Name [Grouping_Column],
        "Alias_Name", SUM ( Table Name[aggregated_Column/
column name] )
    )
)
  
```



About Bloom Value

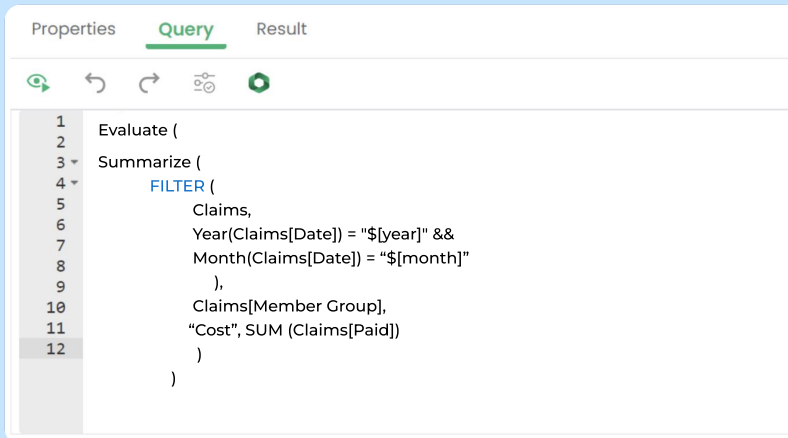
Bloom Value is an AI/ML healthcare technology company that is focused on helping organizations' improve their financial and operational performance. With our FAST platform, Bloom value delivers advanced, cutting-edge augmented intelligence where AI insights are paired with healthcare expertise. This results in better, faster decision making, profitability and cost reduction across the organization. Bloom Value's solutions service all types of healthcare organizations: RBOs (IPAs, MSOs, ACOs), Health Systems and other Value Based entities looking to improve margins and efficiency.

Our QA Approach

Our QA approach focuses on the automation of data verification and collection to minimize tedious effort and the possibilities of mistakes.

- Reduce manual effort: Automation of Data Testing activities like data retrieval & comparing data.
- Data Quality: Check Points in different stages of testing.
- Improve accuracy: Decrease errors by automating data validation and maintaining consistency.
- Enhance efficiency: Speed up the testing process and analysis of test results.
- Ensure compliance: Maintain compliance with regulatory agencies through automated data validation and data verification.

e.g.



The result after running the DAX query

Properties Query Result		
Rows Loaded 3	Partitions 2	Run duration (hh:mm:ss) 00:00:14
Preview Schema Statements		
Member Groups		Cost
MEDICARE		6345377.00
COMMERCIAL		36053.00
MEDI-CAL		32657.00

References

www.bloomvalue.com

<https://www.datagaps.com/bi-validator/>

[DAX Query \(datagaps.com\)](#)

[DataGap help page](#)

Power BI Dashboard testing automation for a drilldown feature with parameterization

PowerBi Dashboard testing automation for a drilldown feature with parameterization

Addressing data gaps/Issues

Issues in data often arise from manual data validation, weak testing techniques, and tool constraints. Bloom and DataGaps tackle these issues by:

- Automating data validation: Reducing the possibility of human mistakes and the quality of data.
- Efficiently managing large data sets: DAX Query, Power BI, all the complex data without performance hit.
- Offering flexible data retrieval: Allowing users to extract data based on specific criteria (e.g., weekly or monthly).

DataGaps Capabilities

It offers many tools to combat data issues:

- Integration with Bloom: Integrates smoothly with Bloom to take advantage of its powerful data automation capabilities.
- DAX Query integration: Facilitates efficient data retrieval and manipulation through DAX queries.
- Power BI compatibility: Allows for easy integration with Power BI for better data visualization and reporting.
- Hierarchical data extraction: This form makes it easier to read and analyze the data because it is structured.
- Customized retrieval parameters: Users can specify what data they want to pull, like a summary by week or month.

Key Benefits

- Improved efficiency: Greatly reduce time spent on data retrieval and validation, so teams have more time to focus on strategic endeavours.
- Enhanced accuracy: Reduce errors and maintain data integrity through automation.
- Better decision-making: Get the correct and most current information in order to make a decision.