

ESSENTIAL

DAX

**FUNCTIONS FOR
DATA ANALYSTS**



SUMX

Calculate the sum of a specified expression for each row in a table, providing a powerful tool for aggregating data dynamically.

Syntax:

SUMX(table, expression)



AVERAGEX

Compute the average of a given expression for each row in a table, offering a versatile method for deriving meaningful insights from your data.

Syntax:

AVERAGEX(table, expression)



COUNTX

Determine the count of rows in a table meeting specified criteria, enabling precise analysis of data distribution.



Syntax:

```
COUNTX(table, [number_column])
```

RELATED

Access related values from another table, establishing crucial connections and enhancing data exploration capabilities.

Syntax:

```
RELATED(column_name)
```



CALCULATE

Adjust the filter context for calculations, allowing for dynamic control over how data is aggregated and displayed in reports.



Syntax:

```
CALCULATE(expression, filter1, filter2, ...)
```

FILTER

Create custom tables by applying specific conditions to existing data, facilitating targeted analysis and visualization.

Syntax:

```
FILTER(table, condition)
```





Unleash the full potential of your data by removing filters, providing a comprehensive view for in-depth analysis and reporting.



Syntax:

`ALL(table_or_column)`

RELATEDTABLE

Retrieve a one-column table containing all related rows from a specified table, streamlining data exploration across tables.

Syntax:

```
RELATEDTABLE(table)
```



RANKX

Determine the rank of values based on specified criteria, offering a valuable tool for assessing the significance of data points.



Syntax:

```
RANKX(table, expression, [value], [order], [ties])
```

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