

How can I use the CUBEKPIMEMBER function in Microsoft Excel?

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The CUBEKPIMEMBER function is a powerful tool in Microsoft Excel that allows users to retrieve specific key performance indicator (KPI) data from a multidimensional data source, such as an OLAP cube. This function can be used to extract specific KPI values for a particular member of a dimension, providing a more flexible and dynamic way to analyze data. By utilizing the CUBEKPIMEMBER function, users can easily track and compare performance metrics across multiple dimensions, making it a valuable tool for data analysis and reporting.

This article describes the formula syntax and usage of the **CUBEKPIMEMBER** function in Microsoft Excel.

Description

Returns a key performance indicator (KPI) property and displays the KPI name in the cell. A KPI is a quantifiable measurement, such as monthly gross profit or quarterly employee turnover, that is used to monitor an organization's performance.

Note: The CUBEKPIMEMBER function is supported only when the workbook is connected to a Microsoft SQL Server 2005 Analysis Services or later data source.

Syntax

CUBEKPIMEMBER(connection, kpi_name, kpi_property,)

The CUBEKPIMEMBER function syntax has the following arguments:

Connection Required. A text string of the name of the connection to the cube.

Kpi_name Required. A text string of the name of the KPI in the cube.

Kpi_property Required. The KPI component returned and can be one of the following:

Integer	Enumerated constant	Description
1	KPIValue	The actual value
2	KPIGoal	A target value
3	KPIStatus	The state of the KPI at a specific moment in time
4	KPITrend	A measure of the value over time
5	KPIWeight	A relative importance assigned to the KPI
6	KPICurrentTimeMember	A temporal context for the KPI

If you specify KPIValue for kpi_property, only kpi_name is displayed in the cell.

Caption Optional. An alternative text string that is displayed in the cell instead of kpi_name and

kpi_property.

Remarks

When the CUBEKPIMEMBER function evaluates, it temporarily displays a "#GETTING_DATA..." message in the cell before all of the data is retrieved.

To use the KPI in a calculation, specify the CUBEKPIMEMBER function as a member_expression argument in the CUBEVALUE function.

If the connection name is not a valid workbook connection that is stored in the workbook, CUBEKPIMEMBER returns a #NAME? error value. If the Online Analytical Processing (OLAP) server is not running, not available, or returns an error message, CUBEKPIMEMBER returns a #NAME? error value.

CUBEKPIMEMBER returns a #N/A error value when kpi_name or kpi_property is invalid.

CUBEKPIMEMBER may return a #N/A error value if you reference a session-based object, such as a calculated member or named set, in a PivotTable when sharing a connection, and that PivotTable is deleted or you convert the PivotTable to formulas. (On the **Options** tab, in the **Tools** group, click **OLAP Tools**, and then click **Convert to Formulas**.)