#### CUBESET

[Syntax](Syntax.docx):

CUBESET ( [connection](connection.docx) , set-expression [ , [ caption ] [ , [ sort-order ]
[ , [ sort-by ] ] ] ] )

Description: Fetches from the OLAP cube on the SQL Server designated by [connection](connection.docx) the set of [members](members.docx) or tuples that is defined by set-expression. [Note: Use this function to build dynamic reports that aggregate and [filter](filter.docx) data, by using the return value as a slicer in the [CUBEVALUE](CUBEVALUE.docx) function, the [CUBERANKEDMEMBER](CUBERANKEDMEMBER.docx) function to choose specific [members](members.docx) from the calculated set, and the [CUBESETCOUNT](CUBESETCOUNT.docx) function to [control](control.docx) the size of the set. end note]

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| [connection](connection.docx) | [text](text.docx) | The name of the [connection](connection.docx) to the cube. |
| set-expression | [text](text.docx), [reference](reference.docx) | A set expression that results in a set of [members](members.docx) or tuples. set-expression can also be a [cell](cell.docx) [reference](reference.docx) to range that contains one or more [members](members.docx), tuples, or [sets](sets.docx) included in the set. |
| caption | [text](text.docx) | The text displayed in the [cell](cell.docx) instead of the caption from the cube (assuming it defines such a caption). |
| sort-order | [text](text.docx) | The type of sort, if any, to perform; it can be one of the following:

|  |  |  |
| --- | --- | --- |
| Value  | Description | sort-by argument |
| 0 or default | Leaves the set in existing order | Ignored |
| 1 | Sorts set in ascending order by sort\_by | Required |
| 2 | Sorts set in descending order by sort\_by | Required |
| 3 | Sorts set in alphabetic ascending order | Ignored |
| 4 | Sorts set in alphabetic descending order | Ignored |
| 5 | Sorts set in natural ascending order | Ignored |
| 6 | Sorts set in natural descending order | Ignored |

An alphabetic sort for a set of tuples sorts on the last element in each tuple. |
| sort-by | [text](text.docx) | The value by which to sort. [Example: To get the city with the highest sales, set-expression would be a set of cities, and sort-by would be the sales measure. To get the city with the highest population, set-expression would be a set of cities, and sort-by would be the population measure. end example] |

Return Type and Value: any – The set of [members](members.docx) or tuples.

However, if

* The [connection](connection.docx) name is not a valid [workbook](workbook.docx) [connection](connection.docx) stored in the [workbook](workbook.docx), the return value is unspecified.
* The OLAP server is not running, not available, or returns an error message, the return value is unspecified.
* The syntax of member-expression is incorrect, the return value is unspecified.
* The set contains at least one [member](member.docx) with a different [dimension](dimension.docx) than the other [members](members.docx), the return value is unspecified.
* sort-order is outside the range 0–6, #N/A is returned.
* sort-order requires sort-by, but sort-by is omitted, #VALUE! is returned.

[Example:

CUBESET("Finance","Order([Product].[Product].[Product Category]
.Members,[Measures].[Unit Sales],ASC)","Products")

CUBESET("Sales","[Product].[All Products].Children",
 "Products",1,"[Measures].[Sales Amount]")
end example]