


Question

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Does %TIMERANGE MDX extended function create a set of members or a single member?

The documentation says that the MDX extended function %TIMERANGE returns a member.

HealthShare Health Connect 2020.1 > Business Intelligence > InterSystems MDX Reference > MDX Functions > %TIMERANGE



%TIMERANGE

Enables you to define a range of time members, possibly open-ended. This function is an InterSystems extension to MDX.

Returned Type

This function returns a member.

Syntax and Details

```
%TIMERANGE(start_member, end_member, keyword)
```

Where:

- *start_member* is an optional [expression that evaluates to a member](#) of a time level. If you omit this, the system uses the
- *end_member* is an optional [expression that evaluates to a member](#) of a time level. If you omit this, the system uses the
- *keyword* is optional and is either **INCLUSIVE** or **EXCLUSIVE**

The default is **INCLUSIVE**.

You must specify *start_member*, *end_member*, or both.

However it seems like it produces a set of time members from the description ("a range of members"). Perhaps behind the scenes it is making a calculated member? I am able to plug the return "value" from %TIMERANGE into the SUM function, which takes a set as an argument, and I get a correct answer. So SUM(%TIMERANGE(...)) works, however COUNT(%TIMERANGE(...)) does not work and returns a cryptic error:

Execute Show Plan Export to Excel

ERROR #5002: ObjectScript error: <INVALID OREF>%PreProcess+26^%DeepSee.Query.range.1 (5)

Should we be able to use %TIMERANGE as a set argument to any mdx function that takes a set argument?

[#InterSystems IRIS Analytics \(DeepSee\)](#)

Product version: IRIS 2020.1

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