Time MDX Cheat Sheet

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Need a MDX guery that returns list of months from start of year up to specified
How do you get Last month in the time dimension
SELECT ClosingPeriod([Date].[Calendar].[Month],
[Date].[Calendar].DefaultMember) ON 0
                                                           SELECT YTD([Date].[Calendar].[Month].&[2003]&[8])
FROM [Sales Summary]
                                                           ON O
WHERE ([Measures].[Sales Amount]);
                                                           FROM [Sales Summary];
                                                           How in the report can I order date dimension members in descending order?
I Need an MDX statement to show the first day of the last month in the
                                                           SELECT {[Measures].[Reseller Order Quantity]} ON 0 ,
                                                           ORDER (Tail ([Date].[Calendar].[Calendar Year].Members, 3)
SELECT OpeningPeriod([Date].[Calendar].[Date]
                                                             [Date].[Calendar].CurrentMember.Member Key, DESC ) ON
, ClosingPeriod([Date].[Calendar].[Month],
[Date].[Calendar].DefaultMember) ) ON 0
                                                              FROM [Adventure Works]
FROM [Sales Summary]
I Need an MDX statement to get the last Month loaded into a cube
                                                           I Need an MDX statement to get the first month of the last year loaded into a
SELECT ClosingPeriod([Date].[Calendar].[Month],
[Date].[Calendar].DefaultMember) ON 0
                                                           SELECT OpeningPeriod([Date].[Calendar].[Month]
FROM [Sales Summary];
                                                           , ClosingPeriod([Date].[Calendar].[Calendar Year],
                                                           [Date].[Calendar].DefaultMember) ) ON 0
                                                           FROM [Sales Summary];
How do you write MDX query that uses execution date/time as a
parameter?
SELECT {[Measures].[Internet Order Count]} ON 0
, {StrToMember("[Date].[Date].["
+ Format(now(), "MMMM dd, yyyy") + "]")
) ON 1
FROM [Direct Sales];
Need MDX Query to get latest months and previous years same months
                                                           I need an MDX query to show year level data for all years except the last one, and
                                                           month level data for the last year.
SELECT {ClosingPeriod([Date].[Calendar].[Month],
                                                           SELECT {NULL:
[Date].[Calendar].DefaultMember)
                                                           ClosingPeriod([Date].[Calendar].[Calendar Year],
, ParallelPeriod([Date].[Calendar].[Calendar Year] ,
                                                           [Date].[Calendar].DefaultMember).PrevMember
                                                           , DESCENDANTS (ClosingPeriod([Date].[Calendar].[Calendar
                                                           Year], [Date].[Calendar].DefaultMember)
, ClosingPeriod([Date].[Calendar].[Month],
[Date].[Calendar].DefaultMember) ) } ON 0
                                                           , [Date].[Calendar].[Month]) } ON 0
FROM [Sales Summary];
                                                           FROM [Sales Summary];
How to create calculated member for AVG sales over last 3 years based on
                                                           How do I calculate sales for 12 Month to date in MDX?
NOW()?
                                                           WITH MEMBER [Measures].[Last 12 Mth Order Count] AS
CREATE MEMBER CurrentCube.Measures.[Avg3Years] AS
Avg( {ParallelPeriod( [Date].[Date].[Date Yr], 3,
                                                           ClosingPeriod([Date].[Calendar].[Month],
                                                           [Date].[Calendar].[All Periods]).Lag(12)
StrToMember("[Date].[Date].&[" + Format(now(),
                                                           : ClosingPeriod([Date].[Calendar].[Month],
"yyyyMMdd") + "]"))
: StrToMember("[Date].[Date].&[" + Format(now(),
                                                           [Date].[Calendar].[All Periods])
"yyyyMMdd") + "]")}
                                                           , [Measures].[Order Count])
                                                           SELECT [Measures].[Last 12 Mth Order Count] ON 0
, [Measures].[Sales Qty]) ;
                                                           FROM [Adventure Works]
How can I get Last (Previous) Year to Date (YTD) values?
                                                           MDX query to get count of months with sales amount > 0 in defined period
                                                           WITH Member [Measures].[Months With Above Zero Sales] AS
WITH MEMBER [Measures].[Current YTD] AS
SUM(YTD([Date].[Calendar].CurrentMember),
                                                           COUNT (FILTER ( DESCENDANTS ({ [Date].[Calendar].[Calendar].
[Measures].[Internet Order Quantity])
                                                           Year].&[2003]: [Date].[Calendar].[Calendar
MEMBER [Measures].[Last YTD] AS
                                                           Year].&[2004]}
SUM(YTD(ParallelPeriod([Date].[Calendar].[Calendar]
                                                           , [Date].[Calendar].[Month]) , [Measures].[Sales Amount]
Year]
                                                           > 0 )
, 1 , [Date].[Calendar].CurrentMember))
                                                           SELECT {[Measures].[Sales Amount], [Measures].[Months
 [Measures].[Internet Order Quantity] )
                                                           With Above Zero Sales]} ON 0
SELECT { [Measures] . [Current YTD]
                                                           , [Product].[Product Model Lines].[Product Line].Members
, [Measures].[Last YTD] } ON 0
                                                           on 1
FROM [Adventure Works]
                                                           FROM [Adventure Works]
WHERE ([Date].[Calendar].[Date].[March 22, 2004])
                                                           WHERE ([Date].[Calendar].[Calendar Year].&[2003]:
                                                           [Date].[Calendar].[Calendar Year].&[2004]);
How do you calculate monthly average of a year?
                                                           How do you calculate monthly average of a year including empty months?
WITH MEMBER [Measures].[AvgVal] AS
                                                           WITH MEMBER [Measures].[AvgVal] AS
Avg( Descendants([Date].[Calendar].[Calendar
                                                           Avg( Descendants([Date].[Calendar].[Calendar
Year].&[2004]
                                                           Year].&[2004]
, [Date].[Calendar].[Month])
                                                           , [Date].[Calendar].[Month])
 [Measures].[Internet Order Count] )
                                                             CoalesceEmpty([Measures].[Internet Order Count], 0)
SELECT {[Measures].[AvgVal]} ON 0
FROM [Adventure Works]
                                                           SELECT {[Measures].[AvgVal]} ON 0
WHERE ([Product].[Product Model Lines].[Model
                                                           FROM [Adventure Works]
Namel.&[Classic Vest])
                                                           WHERE ([Product].[Product Model Lines].[Model
                                                           Name].&[Classic Vest])
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