

# Avg (MDX)

Returns the Average of a Measure evaluated over a specified set.

## Syntax

```
Avg( Set_Expression, Measure )
```

## Input Parameters

### Set\_Expression

A valid Multidimensional Expressions (MDX) expression that returns a set.

### Measure

A basic Measure.

## Return Value

Returns a value of the same type as Measure equaling the Average of the Measure evaluated over the given set.

## Examples

Returns the Average of salesamount1 over a 30 period window on the [Order Date Dimension].[Order Retail445] hierarchy.

```
Avg(  
  [Order Date Dimension].[Order Retail445].CurrentMember.Lag(29)  
  :  
  [Order Date Dimension].[Order Retail445].CurrentMember,  
  [Measures].[salesamount1]  
)
```

Returns the Average salesamount1 value for [DateCustom].[StandardMonth] Years 2007 through 2008.

```
Avg(  
  {[DateCustom].[StandardMonth].[Year].&[2007-01-01T00:00:00]:[DateCustom].[StandardMonth].[Year].&[2008-01-01T00:00:00]},  
  [Measures].[salesamount1]  
)
```