

## MDX Error handling Cheat Sheet

<p><b>How do I check for division by zero and null to avoid -1.#INF in cells?</b></p> <pre>WITH MEMBER [Measures].[ZeroValuePerUnit] AS 0 MEMBER [Measures].[DivideByZero] AS [Measures].[Internet Sales Amount]/[Measures].[ZeroValuePerUnit] ,Format_String = '#.#0' MEMBER [Measures].[CheckDivByZero] AS IIF([Measures].[ZeroValuePerUnit] = 0, Null, [Measures].[Internet Sales Amount]/[Measures].[ZeroValuePerUnit]),Format_String = '#.#0' SELECT { [Measures].[Internet Sales Amount], [Measures].[ZeroValuePerUnit], [Measures].[DivideByZero], [Measures].[CheckDivByZero] } ON COLUMNS, [Customer].[Country].Children ON ROWS FROM [Adventure Works] WHERE ([Date].[Calendar].[Calendar Year].&amp;[2004]);</pre>	<p><b>How do I check for the top level in a dimension to avoid division by an nonexisting parent(-1.#INF)?</b></p> <pre>WITH Member Measures.ParentRatio As IIF([Product].[Product Categories].CurrentMember.Parent IS NULL, Null, [Measures].[Internet Sales Amount]/ ([Measures].[Internet Sales Amount],[Product].[Product Categories].CurrentMember.Parent)), Format_String = '###.##' Select { [Measures].[Internet Sales Amount],Measures.ParentRatio } On Columns, NON EMPTY Descendants([Product].[Product Categories],[Product].[Product Categories].[Subcategory],Self_And_Before) On Rows From [Adventure Works]Where [Date].[Calendar].[Calendar Year].&amp;[2003];</pre>
<p><b>How can I reference dimension members/measures in MDX statements when sometimes they might not exists?</b></p> <pre>WITH MEMBER [Measures].[2007 Sales] AS IIF(IsError([Date].[Calendar].[Calendar Year].&amp;[2007]), NULL, ([Date].[Calendar].[Calendar Year].&amp;[2007], [Measures].[Sales Amount])) SELECT [Measures].[2007 Sales] ON 0 FROM [Sales Summary];</pre>	