
Article

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Summary row with different aggregate function for each column

Today my customer ask me a question about how to write the MDX with a summary row however this row with different aggregate functions for each column.

We know in DeepSee analyzer has pivot table option "Summary", user can select sum, avg ... aggregate functions to get the summary row/column. However we can not specify different aggregate function for each measure column.

Here show the example to use All level and IIF function achieve that. see the example (Holefood cube in Sample namespace) below

```
WITH MEMBER measures.[with avg summary info] AS
```

```
    'IIF(Product.CurrentMember.Properties("LEVELNUMBER") = 1,
```

```
    AVG(Product.[Product Category].Members, measures.[amount sold]),
```

```
    SUM(Product.[Product Category].Members, measures.[amount sold]))'
```

```
    MEMBER measures.[total count] AS 'SUM(Product.[Product Category].Members)'
```

```
SELECT {Product.[Product Category].Members, [Product].[All Product]} ON 1,
```

```
    {measures.[with avg summary info],measures.[total count]} ON 0
```

```
FROM Holefoods
```

	with avg summary i	total count
1 Candy	149,187.22	83,833
2 Cereal	513,770.68	83,852
3 Dairy	518,826.37	56,481
4 Fruit	744,168.60	85,819
5 Pasta	1,940,939.62	273,971
6 Seafood	2,655,134.41	75,355
7 Snack	3,111,815.51	267,996
8 Vegetable	884,450.97	110,844
9 All Products	1,314,786.67	1,038,151

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Published on InterSystems Developer Community (<https://community.intersystems.com>)

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Source URL: <https://community.intersystems.com/post/summary-row-different-aggregate-function-each-column>