Understanding Tuples

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“I aim not to make the software; I aim to make it better!”

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What is tuple?

Why at eazyBI support we love them?

Real life examples with eazyBI
What is tuple?

A tuple is an intersection of exactly a single member from each dimension (hierarchy) in the cube.
Tuple always identifies an **exact cell** in the multi-dimensional matrix

```
( [Measures].[Issues created],
  [Issue Type].[Bug],
  [Time].[2018].[Q2 2018].[May 2018]
)```
Sets
Going through large sets with Descendants(..) can be problematic… Though sometimes necessary.

Tuple
By using Tuple we can often avoid long running reports, timeouts …
Live demo

https://eazybi.com/accounts/22010/cubes
Tuple examples

Bugs created

(  
  [Measures].[Issues created],  
  [Issue Type].[Bug]  
)

Issues created without bugs

[Measures].[Issues created] - [Measures].[Bugs created]
% resolved in Top priorities

( [Measures].[Issues resolved],
  [Priority].[Top priorities] )

/ /

( [Measures].[Issues resolved],
  [Priority].DefaultMember )
Top priorities

\text{Aggregate}({}
  \text{[Priority].[Highest]},
  \text{[Priority].[High]}
})
Tuple examples

Bugs created

Top Priorities %

User logged hours
Hours spent in assigned issues

(  
    [Measures].[Hours spent],  
    [Logged by].[User].GetMemberByKey(  
        [Assignee].CurrentMember.Key  
    )  
)
Hours spent in any issue

(  
    [Measures].[Hours spent],  
    [Logged by].[User].GetMemberByKey(  
        [Assignee].CurrentMember.Key  
    ),  
    [Assignee].DefaultMember  
)
Questions?

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Thank you!