

Adaptive Live | 2018

Formula Best Practices

Kimberly Hoover - Premium Support Program Manager

Formula Best Practices

What will we be covering?

- How to utilize comments
- Spacing in formulas
- Shared formulas
- Master formulas

What is the benefit for you?

- Learn best practice tips for formula creation and management
- Develop your model further post-implementation

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Let's Take a Deeper Look!

Live Demo

Formula Best Practices- Recap

- Formula writing – utilizing the formula assistant
- How to utilize comments – helps to explain the formula syntax
- Spacing – helps to keep parenthesis aligned

Formula

```
if((this.version.positionof(this.month) >= 1)
and ROW.Headcount=1
and (
(isblank(ASSUM.Live_2018.RaiseMonth)
and this.year.positionof(this.month) =
ROW.StartDate.year.positionof(ROW.StartDate.month)
) # Give raise on anniversary only if the assumption is blank
or (ASSUM.Live_2018.RaiseMonth = 1) # or give raise when the assumption is 1
),
ROW.PayRate[time=this-1]*ASSUM.Live_2018.RaisePct,
0
)
```

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Formula Best Practices- Recap

- Shared Formulas – Version specific
- Master Formulas – Applies to every version, level and across all time periods

☰ Live 2018 - Tips and Tricks | Formulas

The screenshot shows the 'Formulas' interface. At the top, there is a header 'Formulas' and a search bar containing '1110 Petty Cash'. Below the search bar, there are three buttons: 'Levels', 'Search', and 'Selected'. A table below these buttons lists levels with columns for 'Name', 'Edits', 'Hide', and 'Formula'. The table has a tree view structure.

<input type="checkbox"/>	Name	Edits	Hide	Formula
<input type="checkbox"/>	▼ Total Company			
<input type="checkbox"/>	▶ Company A (100% owned)			
<input type="checkbox"/>	▶ Company B (40% owned)			
<input type="checkbox"/>	▶ Company C (80% owned)			
<input type="checkbox"/>	▶ Total Company (Only)			

The screenshot shows the 'Formula Assistant' dialog box. It has a 'Data Type' dropdown menu with options: 'Account Time', 'Stratum', 'Month', 'Display As', and 'Currency'. Below these options is a 'Master Formula' section with a large text input field. At the bottom of the dialog, there is a 'Formula Assistant' label.

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Appendix A – Shared Formulas

- Navigate to Formulas - The Formulas sheet is version specific and allows formulas to be created on all levels and all general ledger and custom accounts.
- Pros
 - Flexibility of formulas and syntax available
 - Potential to change formulas by version depending on the account the formula is created on
 - Formulas page allows level targeting
 - Formulas created on an account will cache
 - Ability to cross sheets with different time granularity
- Cons
 - Cannot carry dimensionality

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Appendix B - Master Formulas

- A Master formula is a formula that takes priority over all default values and formulas input on GL and custom accounts.
- The properties of a Master formulas are:
 - Applied to every version (such as Budget, Forecast, Actuals)
 - Applied to every level and across all time periods.
- Use Cases - Net Income, Year-to-date income/loss, and Cash flow calculations
- Pros
 - No maintenance
 - Applies to all levels and all versions.
- Cons
 - Only available for General Ledger & Custom accounts.
 - Deletes all existing data from that account.
 - Set as read-only restricting data inputs and/or imports for all levels and all versions

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Appendix C – General Best Practices

- Best Practice to use the formula assistant
- Avoid using specific dates in formulas.
- Avoid using hard-coded drivers in formulas.
- Use the # symbol and Formula Breaks to annotate and organize conditional statements to better understand the various outcomes of the formula. Documenting the formula will also make future changes easier. Add comments to explain what's happening. Comments are allowed within a formula starting with a pound or hashtag symbol (#) and ending at the next carriage return. For example:
 - ACCT.Rent[time=this-12] # last year's rent
* ASSUM.Increase # 50% increase or times 1.5

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