BI Office What-if Analysis

Cell Overlay in Data Discovery allows users to create what-if scenarios in the Advanced Calculation Deisnger. Combine a cell overlay with a calculated measure and a forecast to perform this advanced what-if analysis.

Setup

Start with an existing report that contains a **trend chart** in order to use the **forecasting** feature.

Notice the forecast **trend line** and note its performance. If performance is lower or higher than expected, enhance the view by using a **Cell Overlay** to determine benchmarks that will either enhance or lessen the performance. This is called **What-if Analysis**.



The trend chart shows a **calculated measure** for an attribute. Click on that measure in the **content panel** and choose **edit** to see the specific **calculation** accosicated with it.



Notice the **hardcoded** number inside the **Custom Member** editor pane. Build a **Cell Overlay** to update the trend chart to reflect the new tradjected **performance** mark.

Create a Cell Overlay

From the Analytics tab, open the advanced Calculation Designer.



Click on the **elipse** button next to Measures under the **Elements** column. Then navigate to the **measure** that is associated with the chosen performance **mark**.

•	Advanced	Calculation Designer	? 🗙	
Scope Formulation				
Use the SCOPE function to define when the scope must include selections for set functions but NAMED SETS and the set of t	nich part of the data set vill be affect om one or more hierarchies. Howev CUSTOM SETS are not allowed.	ted by the cell overlay formulation. er, from any given hierarchy, only one	selection can be made. This selection can include	E
Please see help for more detail.			🖌 🎼 Public	*
			BC Water Ratio	
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Measures ()			Monthly Lease Bundle Cost	
Assets (Assets)			Monthly Operating Cost	
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📥 Zones (Zones)			Price Of Oil	
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Create the Calculation

Click on the Formulation tab to set the calculation First click on Variables Variable Select a variable extension to dynamically change th used to generate the Cell Overlay value. then New Variable. 🔯 New Variable Caption Adjust Price Per Barrel USD I Text Box
Custom Element (Adjusted Price ? X ced Calculation Designe 7 8 9 - C 4 5 6 + < > In the **Caption** box, **name** 7 X 1 2 3 / = 🗢 • • • • () the new variable then from 🖌 Capl X Variabl Data Poi fx N AND OR NOT Variable reload mode Saved Selectio Other Fx {..} Sets Members the Variable type list select Variable type: I Text Box No Formatting v Format String Text Box. Set the Default Default Value 30 Value to the desired mark Solve Order: ۰: value. Isolation Mode Foreground Background 1 🛟 Calculation Pass Calculation Depth Access: Private 🔻 Save Close Cumulative Test ок Cancel

Execute the Calculation

Name the Cell Overlay then save it to the desired folder.

Apply the Cell Overlay by Run the query. ? X checking the box next to it. Scope 🔣 Va 7 8 9 - C 4 5 6 + < > 1 2 3 / = 😣 0 % . 🔹 🕻 🕽 ? X X Va fx N AND OR NOT Other Fx {...} Sets 🖻 🖊 🗙 🕞 . 🙃 Adjust Price Per Barre Variable Format String No Formatting * Pa / X Po 🚔 Adjust Price Per Barrel 🔠 New Va 0 ‡ Solve Order • Cantion Cube Isolation Mode er Barrel USD (jill Text Box Adjust Price Foreground Adjust Price r Barrel ijil Text Box Background 4 1 C 1 C Calculation Pass Calculation Dept cess: Private 🔻 Adjust Price Per Barrel Name Apply OK Cancel Cumulative Test OK Cancel

Notice the **Text Box** appear. Click on the dropdown menu to change the desired **target** value to see the **What-if** scenario come alive. Notice the trend chart update and show the **correlated** — performance outcome.

PYRAMID ANALYTICS