

Starting
shortly

Please
wait!

ActivityInfo

Discover the power of Calculated measures in ActivityInfo

Follow along with this demo database:

<https://www.activityinfo.org/app#templates/cnz94wolktotyjl3p3>



ActivityInfo

Meet your instructors



Jeric Kison

Customer Success Director
BeDataDriven



Victoria Manya

Customer Education Specialist
BeDataDriven

Calculated Measures Webinar Series

1

**Understanding
formulas and Pivot
Tables for Calculated
measures in
ActivityInfo**

July 26



2

**Discover the power of
Calculated measures
in ActivityInfo**

Aug 2



3

**Unleashing data
insights - Office hour
session on Calculated
measures in
ActivityInfo**

Aug 9

Presentation outline

Overview

- Explaining calculated measures
- Using calculated measures in ActivityInfo
 - Use case presentation
- Audience practice
- Q&A

Expanding the analytical capabilities of Pivot Tables with Calculated Measures

Explaining calculated measures

Creating a calculated measure

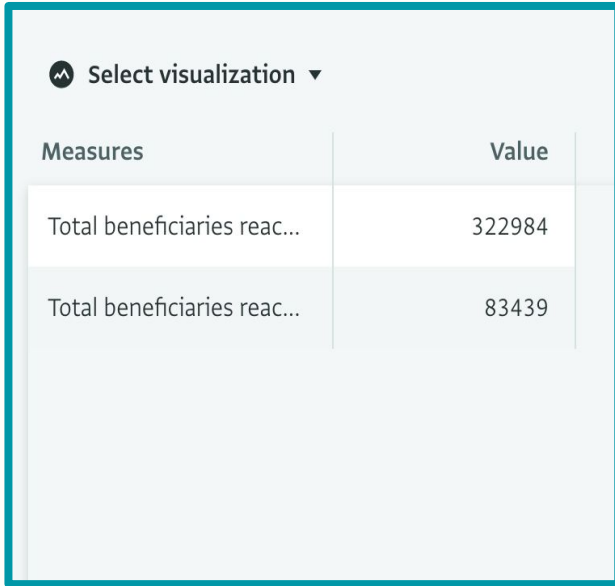
Calculated measures are added in Pivot Tables

The screenshot displays the ActivityInfo interface for an 'Untitled report'. The 'Report design' panel is visible, showing a list of fields under 'Health Cluster 5Ws'. The fields include: 'Count of all records', 'Reporting Month', 'Activity Start Date', 'Activity End Date', 'Activity Status', 'Donor', and 'Implementing Partner'. A red box highlights the '+ Add calculated measure' button in the 'Measures' section of the design panel.

Explaining calculated measures

Formulas, Pivot tables and Calculated measures

Pivot tables

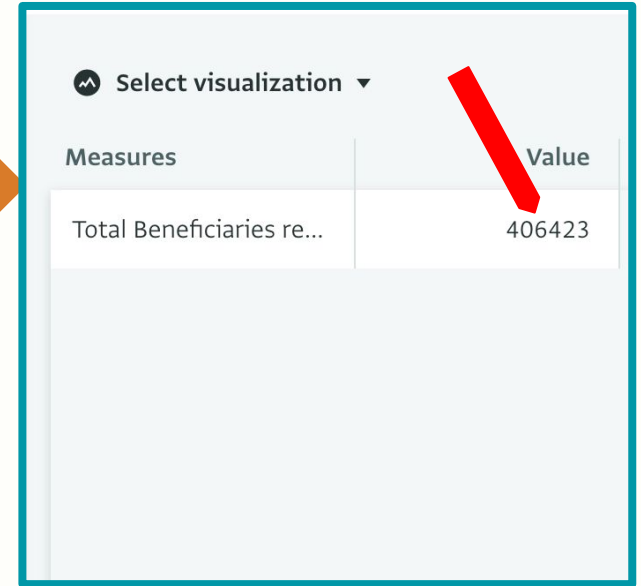


Measures

Measures	Value
Total beneficiaries reac...	322984
Total beneficiaries reac...	83439

Formulas

Calculated measures



Measures

Measures	Value
Total Beneficiaries re...	406423

Introducing Calculated Measures

Expanding your analysis

When you create a calculated measure, you add a new measure to your data model that goes beyond the fields already added to your forms.

Calculated measures are not bound by row context, thus opening up a range of new analytical possibilities.

Introducing Calculated Measures

Expanding your analysis

When you create a Calculated Measure, you can:

- ✓ **Combine data** from different forms into one measure
- ✓ Use **different types of aggregations** together in the same measure
- ✓ **Aggregate data multiple times** at different levels
- ✓ Apply an **explicit filter** to run a calculation on a subset of data

Introducing Calculated Measures

Supported functions

Aggregation

- SUMX
- AVERAGEX
- COUNTX
- COUNTDISTINCTX
- MINX
- MAXX

Syntax

(Table, Expression)

Introducing Calculated Measures

Supported functions

Table

- SUMMARIZE
- UNION
- SELECTCOLUMNS
- PIVOTLONGER

Introducing Calculated Measures

Creating a calculated measure

In the formula editor, you will see *both* the list of forms *and* the fields in each form

The screenshot shows the 'Formula editor' interface. On the left, there is a 'Functions' panel with 'Logical functions' expanded, listing: AND (&&), EQUAL (==), NOT EQUAL (!=), NOT (!), OR (||), GREATER (>), GREATER OR EQUAL (>=), LESS (<), LESS OR EQUAL (<=), IF, ISNUMBER, and ISBLANK. The main area contains the text 'Enter your formula here...'. On the right, a 'Forms' panel is expanded, showing a list of forms and their fields: Health Cluster 5Ws, Reporting Month (reportingMonth), Activity Start Date (activityStartDate), Activity End Date (activityEndDate), Activity Status (activityStatus), Donor (donor), Implementing Partner (implementingPartner), Region, Zone & Woreda, Response Type (responseType), Health Activity, Total beneficiaries targeted (totalBnf_targeted), and Total beneficiaries reached to.

Introducing Calculated Measures

Quiz

What is the correct formula to aggregate the total number of beneficiaries reached in the WASH and Health cluster?

- A) $\text{SUMX}(\text{WASH form, totalBnfReached}) + \text{SUMX}(\text{health form, totalBnfReached})$
- B) $\text{COUNTX}(\text{WASH form, totalBnfReached}) + \text{COUNTX}(\text{health form, totalBnfReached})$
- C) $\text{AVERAGEX}(\text{WASH form, totalBnfReached}) + \text{AVERAGEX}(\text{health form, totalBnfReached})$
- D) $\text{MINX}(\text{WASH form, totalBnfReached}) + \text{MINX}(\text{health form, totalBnfReached})$

Demo :Use case 1&2

Demo-Use case 3

Introducing Calculated Measures

Quiz

For calculated measures, how would you define the context for your data analysis?

- A. Using advanced scripting languages with complex syntax.
- B. Relying on gut feelings and intuition to set the context.
- C. Always relying on measures to conduct an initial analysis of the data set in order to define context
- D. Selecting a form from the list or utilizing one of the table functions

Introducing Calculated Measures

Audience practice

Using the demo database, can we try to find:

1. Find the ratio of girls to boys in the WASH form
2. Ratio of IDPs to non IDPs

For WASH form

For Health form

Q&A

Up next

A Q&A session on calculated measures



Unleashing data insights -
Office hour session on
Calculated measures in
ActivityInfo

Aug 9

What we'll cover:

- Interactive Q&A to address participants' questions
- Equipping attendees with the knowledge to effectively use calculated measures in their databases
- Opportunities to build proficiency in calculated measures and unlock the full potential of data in your ActivityInfo database

Feedback