

Data Table Variations: Sum

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This tool lets you generate a sum for a numeric column of your data table. For basic information about mapping indicators to data tables, first see [Data Source: Populate from a Data Table](#).

To create a Sum indicator, set the data table mapping **Calculation** to **Sum** and select the column of data that will generate the sum. The dropdown only includes columns defined with numeric formats.

The screenshot shows the DevResults interface for 'Kate's Test Site'. The navigation menu includes Dashboard, Activities, Results (selected), Calendar, Documents, Photos, and Administration. The breadcrumb trail is Home > Results > Indicators > Total # of training person-days provided. The indicator name is '1.4a Total # of training person-days provided'. Below the name are tabs for Definition (selected), Targets & Data, Reports, Forms, and Documents. The 'Data Source' section is expanded, showing the following configuration:

- Data Source:** Enter indicator results directly, Calculate from a formula, Populate from a data table
- Data Table:** User Trainings (dropdown menu)
- Calculation:** Sum (dropdown menu) of Number Days Attended (dropdown menu)
- Geography Column:** Location (dropdown menu)
Data will be associated with places from this column.
- Date Column:** Date (dropdown menu)
Data will be associated with dates from this column.
- Filters:** Add filter (button)

The result for this indicator mapping will be a sum of the values in the **Number Days Attended** column.

What result do I get from Sum?

Have a look at the User Trainings data table below. Sum will give the total result of 64. Split out by reporting period and activity:

- **2016 Q1** (all the rows with locks):
 - **Definitive Data Doing:** $(4+4+4+2+4+4+4+2+2) = 30$

- **Training Extravaganza: (3+2) = 5**
- **2017 Q1: Friendly Data Help:(4+3+4+3+4+3+4+2+2) = 29**

Since this data is reported per Location, per Activity, and is disaggregated by Gender, you can see it displayed that way in any of the visualizations.

Key Value	Locked?	Date	Location	Trainee Gender	Trainee First Name	Trainee Last Name	Certification Exam Taken?	Certification Exam Passed?	Train the Trainers Training Completed?	Certified Trainer Passed?	Activity	Number Days Attended
1		16 Mar 2017	Kozara National Park (Prijed...	Female	Jane	Doe	✓	✓	✗	✗	Friendly Data Help (FDH)	4
2		16 Mar 2017	Kozara National Park (Prijed...	Male	Joe	Doe	✓	✗	✗	✗	Friendly Data Help (FDH)	3
3		16 Mar 2017	Kozara National Park (Prijed...	Female	Apple	Fiona	✓	✓	✗	✗	Friendly Data Help (FDH)	4
4		16 Mar 2017	Kozara National Park (Prijed...	Male	Brian	Riggs	✓	✗	✗	✗	Friendly Data Help (FDH)	3
5		16 Mar 2017	Kozara National Park (Prijed...	Female	Eve	Marple	✓	✓	✓	✗	Friendly Data Help (FDH)	4
6		16 Mar 2017	Kozara National Park (Prijed...	Male	Joshua	Main	✓	✓	✓	✓	Friendly Data Help (FDH)	3
7		16 Mar 2017	Kozara National Park (Prijed...	Female	Janet	Mine	✓	✓	✓	✓	Friendly Data Help (FDH)	4
8		16 Mar 2017	Kozara National Park (Prijed...	Male	John	Dice	✗	✗	✗	✗	Friendly Data Help (FDH)	2
9		16 Mar 2017	Kozara National Park (Prijed...	Female	Janice	Dane	✗	✗	✗	✗	Friendly Data Help (FDH)	2
10	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Female	Jane	Doe	✓	✓	✗	✗	Definitive Data Doing (DDD)	4
11	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Male	Joe	Doe	✓	✗	✗	✗	Definitive Data Doing (DDD)	4
12	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Female	Apple	Fiona	✓	✓	✗	✗	Definitive Data Doing (DDD)	4
13	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Male	Brian	Riggs	✓	✗	✗	✗	Definitive Data Doing (DDD)	4
14	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Female	Eve	Marple	✓	✓	✓	✓	Definitive Data Doing (DDD)	4
15	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Male	Joshua	Main	✓	✓	✓	✓	Definitive Data Doing (DDD)	4
16	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Female	Janet	Mine	✓	✓	✓	✓	Definitive Data Doing (DDD)	4
17	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Male	John	Dice	✗	✗	✗	✗	Definitive Data Doing (DDD)	4
18	🔒	01 Jan 2016	Teslić (Teslic, Banja Luka, Re...	Female	Janice	Dane	✗	✗	✗	✗	Definitive Data Doing (DDD)	4
19	🔒	15 Mar 2016	Sarajevo (Centar Sarajevo, Sa...	Female	Abby	Smith	✓	✓	✗	✗	Training Extravaganza (TRAIN)	3
20	🔒	15 Mar 2016	Sarajevo (Centar Sarajevo, Sa...	Male	Adam	Smith	✓	✗	✗	✗	Training Extravaganza (TRAIN)	2

Adding filters

When using Sum, you can add filters as usual. Filters are a way of ignoring any rows of your data table that do not meet the criteria that you define. You can create a filter based on any field from a data table, though it is not advisable to use "Other Text" fields as spelling errors, typos, or bounding quotation marks (" ") will yield unexpected results. Filters can use one of four operators: = (equal-to), ≠ (not equal-to), has a value (not null), or has no value (null).

In this case, the indicator below will pull data from the data table only where the column **Trainee Gender** is set to **Female**.



1.4a Total # of training person-days provided

Definition Targets & Data Reports Forms Documents

Data Source

- Data Source**
- Enter indicator results directly
 - Calculate from a formula
 - Populate from a data table

Data Table User Trainings ▼

[View Table Data](#)

Calculation Sum ▼ of Number Days Attended ▼

Geography Column Location ▼

Data will be associated with places from this column.

Date Column Date ▼

Data will be associated with dates from this column.

Filters Trainee Gender ▼ = ▼ Female ▼

[+ Add filter](#)

This will produce a total of 39, split out this way:

- **2016 Q1** (all the rows with locks):
 - **Definitive Data Doing:** $(4+4+4+4+2) = 18$
 - **Training Extravaganza:** 3
- **2017 Q1: Friendly Data Help:** $(4+4+4+4+2) = 18$

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