

Data Table Variations: Average

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This tool lets you generate an average 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 an Average indicator, set the data table mapping **Calculation** to **Average** and select the column of data that will generate the average. The dropdown only includes columns defined with numeric formats.

The screenshot shows the 'DevResults | Kate's World' interface. The top navigation bar includes 'Dashboard', 'Activities', 'Results' (selected), 'Calendar', 'Documents', 'Photos', and 'Administration'. Below this, a breadcrumb trail reads 'Home > Results > Indicators > Average number of training days attended'. The indicator title 'Average number of training days attended' is displayed with a value of '1.3a'. Below the title are tabs for 'Definition' (selected), 'Targets & Data', 'Reports', 'Forms', and 'Documents'. The 'Data Source' section is active, showing three radio button options: 'Enter indicator results directly', 'Calculate from a formula', and 'Populate from a data table' (selected). Below these is a 'Data Table' dropdown menu set to 'User Trainings', with a 'View Table Data' link. A red box highlights the 'Calculation' dropdown set to 'Average' and the 'of' dropdown set to 'Number Days Attended'. Below this are 'Geography Column' (set to 'Location') and 'Date Column' (set to 'Date') dropdowns, each with a descriptive note. At the bottom, there is a 'Filters' section with an 'Add filter' button.

The result for this indicator mapping will be an Average of the values in the Number Days Attended column.

What result do I get from Average?

Have a look at the User Trainings data table here:

Dashboard Activities Results Calendar Documents Photos Administration												
Home > Results > Data Tables > User Trainings												
User Trainings												
Data Design												
Show All uploaded data Manage Uploads Download All Upload Spreadsheet Recalculate Linked Indicators Add New Row												
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 (Prijeđe...)	Female	Jane	Doe	✓	✓	✗	✗	Friendly Data Help (FDH)	4
2		16 Mar 2017	Kozara National Park (Prijeđe...)	Male	Joe	Doe	✓	✗	✗	✗	Friendly Data Help (FDH)	3
3		16 Mar 2017	Kozara National Park (Prijeđe...)	Female	Apple	Fiona	✓	✓	✗	✗	Friendly Data Help (FDH)	4
4		16 Mar 2017	Kozara National Park (Prijeđe...)	Male	Brian	Riggs	✓	✗	✗	✗	Friendly Data Help (FDH)	3
5		16 Mar 2017	Kozara National Park (Prijeđe...)	Female	Eve	Marple	✓	✓	✓	✓	Friendly Data Help (FDH)	4
6		16 Mar 2017	Kozara National Park (Prijeđe...)	Male	Joshua	Main	✓	✓	✓	✓	Friendly Data Help (FDH)	3
7		16 Mar 2017	Kozara National Park (Prijeđe...)	Female	Janet	Mine	✓	✓	✓	✓	Friendly Data Help (FDH)	4
8		16 Mar 2017	Kozara National Park (Prijeđe...)	Male	John	Dice	✗	✗	✗	✗	Friendly Data Help (FDH)	2
9		16 Mar 2017	Kozara National Park (Prijeđe...)	Female	Janice	Dane	✗	✗	✗	✗	Friendly Data Help (FDH)	2
10	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Female	Jane	Doe	✓	✓	✗	✗	Definitive Data Doing (DDD)	4
11	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Male	Joe	Doe	✓	✗	✗	✗	Definitive Data Doing (DDD)	4
12	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Female	Apple	Fiona	✓	✓	✗	✗	Definitive Data Doing (DDD)	4
13	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Male	Brian	Riggs	✓	✗	✗	✗	Definitive Data Doing (DDD)	4
14	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Female	Eve	Marple	✓	✓	✓	✓	Definitive Data Doing (DDD)	4
15	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Male	Joshua	Main	✓	✓	✓	✓	Definitive Data Doing (DDD)	4
16	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Female	Janet	Mine	✓	✓	✓	✓	Definitive Data Doing (DDD)	4
17	🔒	01 Jan 2016	Teslić (Teslić, Banja Luka, Re...	Male	John	Dice	✗	✗	✗	✗	Definitive Data Doing (DDD)	4
18	🔒	01 Jan 2016	Teslić (Teslić, 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


Average is calculated by adding together the values and dividing by the number of values. So for the data above, you'll get:

- **2016 Q1** (all the rows with locks):
 - **Definitive Data Doing:** $(4+4+4+2+4+4+2+4+4+2+2)/9 = 3.33$
 - **Training Extravaganza:** $(3+2)/2 = 2.5$
- **2017 Q1:**
 - **Friendly Data Help:** $(4+3+4+3+4+3+4+2+2)/9 = 3.22$

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.

Adding filters

When using Average, 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. In this case, the indicator will pull data from the data table only where the column **Certification Exam Taken?** is set to **Yes**.


DevResults | Kate's World
Kate's Test Site

DashboardActivitiesResultsCalendarDocumentsPhotosAdministration

HomeResultsIndicatorsAverage number of training days attended

1.3aAverage number of training days attended

DefinitionTargets & DataReportsFormsDocuments

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 Average 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 Certification Exam Taken? = Yes 

[Add filter](#)

For the data table above, this mapping would adjust our totals this way:

- **2016 Q1** (all the rows with locks):
 - **Definitive Data Doing:** $(4+4+4+2+4+4+4)/7 = 3.71$
 - **Training Extravaganza:** $(3+2)/2 = 2.5$
- **2017 Q1:**
 - **Friendly Data Help:** $(4+3+4+3+4+3+4)/7 = 3.57$

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