

Variable Definitions Key for JSON

Universal Values

These are attributes that all definitions can and should use. All variables **MUST** include a name, and a dataset **UNLESS** the new variable is using values from an already defined variable. If the variable is using a dataset, the variable **MUST** also include a function attribute. Some attributes can be omitted, and their default values are provided below.

- “name” – name of the variable
- “dataset” – name of the dataset to be used (Interactions or Events)
- “scope” – determines if the variable is a daily or weekly calculation. If the variable is daily, this will create seven variables instead of one, each named: name_dayofweek. (Defaults to weekly)
- “function” – defines the action to be taken after the total uses has been counted. [“x”, “x”] means do nothing. [“x”, “x/7”] means take the total and divide by seven (this would for example give you the daily average)
- “defined-variable-x” – identifies an already defined variable to use for the x variable in the function [“x”, ...]. This means the program will use this variable value instead of counting uses.

Interactions Dataset Values

These are attributes that variables using the interactions dataset should use. When using interaction datasets always include elementIDs. The rest can be omitted and have default values.

- “elementIDs” – a list of the elementIDs to be counted per user. When the list is empty, will count all elementIDs.
- “distinct” – boolean value that when true, the program will only count distinct uses. (Defaults to false)
- “tokens” – a list of tokens to filter uses by. When this is omitted, there is no token filtering.
- “type” – a string to filter the rows of the interaction table by with values in the type column.
- “source” – a string name of the source by which this interaction came from (web or app)

Event Dataset Values

These are attributes that the variables using the events dataset should use.

- “sum” – this is the name of the column to summate values from.
- “count” – this is the name of the column to count row entries from. (sum and count cannot be defined in the same definition).
- “healthTrackType” – a list of types in the healthTrackType column to filter by.
- “completed” – Boolean value that when true, the program will only count completed events, using the value in the completed column. (Defaults to false)

- “filter_by” – a list of pairs to filter the sum or count by. Each element in the filter_by list will look like [“column_name”, row_value]. The row_value can be a: integer, string, a boolean, or a list of integers.