

In this example, we will get the sum of **Diminished Activity Counts** where the **Proposition** is the **Proposition** we have assigned to the **Action** that **MX0** is evaluating the **Eligibility** for and its children, and the **Activity Type** is "AT 1".

First, we need to make a supporting rule that gets us the **Proposition Path** assigned to the **Action** that **MX0** is evaluating the **Eligibility** for:

Choose a data item

Profiles

Data Items

Functions

Search

Data Adapters

Eligibility Rules

Action Attributes

Action name

Campaign code

End date

Has effective date range

Marketing priority

Proposition code

Proposition name

Proposition path

Start date

Proposition path

Action Attributes / Proposition path

Cancel

Done

We can then save this rule:

Action Attributes - Proposition Path

Enter a brief description of your Eligibility Rule

Proposition path

...

This **Proposition Path** will match the **Proposition** we have assigned to our **Action** and its children. In order to make our rules consistant between when we want to include or exclude the parent, we will wrap this rule is a new rule:

Action Attributes - Proposition Path - Inclusive

Enter a brief description of your Eligibility Rule

Action Attributes - Proposition Path ...

As we are aggregating, we first need to select which aggregation **function** we are using. We will be using **Sum of the elements in** to get the total number of **Diminished Activity Count** for each matching **Proposition & Activity Type**:

Proposition - Diminished Activity Count - Current Proposition Inclusive + AT 1

Enter a brief description of your Eligibility Rule

sum of the elements in ...

Next, we open the **DIP**, select the field we want:

Choose a data item as a list

Profiles

Data Items

Functions

Search

Data Adapters

actions

customerMetaData

device

propositions

Activities

Activity Type name

Activity count

Diminished count

Last occurrence

Completed

Cumulative count

Cumulative diminished count

Proposition code

Proposition name

Total count

Diminished count

Propositions / Activities / Diminished count

You have selected the whole Propositions collection.

If you want to be more specific, add selection criteria

You have selected the whole Activities collection.

If you want to be more specific, add selection criteria

Cancel

Done

You will notice that as we have used this **function**, when we enter the **DIP** we are limited to only fields that return a **number** and that we are not required to apply any filters.

We will select the rule we made for the **Proposition**, and apply our **Activity Type** filter:

Choose a data item as a list

Profiles

Data Items

Functions

Search

Data Adapters

actions

customerMetaData

device

propositions

Activities

Activity Type name

Activity count

Diminished count

Last occurrence

Completed

Cumulative count

Cumulative diminished count

Proposition code

Proposition name

Total count

Diminished count

Propositions / Activities / Diminished count

Retrieve the Diminished count for Propositions where

Proposition name ≥

Action Attributes - Proposition Path - Inclusive

Retrieve the Diminished count for Activities where

Activity Type name =

AT 1

Cancel

Next

Finally, we save our rule:

Proposition - Diminished Activity Count - Current Proposition Inclusive + AT 1

Enter a brief description of your Eligibility Rule

sum of the elements in [Diminished count of Current Proposition Inclusive + AT 1]