EXAMPLE - COUNT Functions

This example demonstrates how to count the number of values and non-null values within a group.

Functions:

Item	Description
COUNTA Function	Generates the count of non-null rows in a specified column, optionally counted by group. Generated value is of Integer type.
COUNTDISTINCT Function	Generates the count of distinct values in a specified column, optionally counted by group. Generated value is of Integer type.

Source:

In the following example, the seventh row is an empty string, and the eighth row is a null value.

rowId	Val
r001	val1
r002	val1
r003	val1
r004	val2
r005	val2
r006	val3
r007	(empty)
r008	(null)

Transformation:

Apply a `COUNTA` function on the source column:

Transformation Name	`New formula`
Parameter: Formula type	`Single row formula`
Parameter: Formula	`COUNTA(Val)`
Parameter: New column name	`'fctnCounta'`

Apply a `COUNTDISTINCT` function on the source:

Transformation Name	`New formula`
Parameter: Formula type	`Single row formula`
Parameter: Formula	`COUNTDISTINCT(Val)`
Parameter: New column name	`'fctnCountdistinct'`

Results:

Below, both functions count the number of values in the column, with `COUNTDISTINCT` counting distinct values only. The empty value for `r007` is counted by both functions.

rowId	Val	fctnCountdistinct	fctnCounta
r001	val1	4	7
r002	val1	4	7
r003	val1	4	7
r004	val2	4	7
r005	val2	4	7
r006	val3	4	7
r007	(empty)	4	7
r008	(null)	4	7