

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