

ANY Function

Extracts a non-null and non-missing value from a specified column. If all values are missing or null, the function returns a null value.

This function is intended to be used as part an aggregation to return any single value. When run at scale, there is some randomness to the value that is returned from the aggregated groupings, although randomness is not guaranteed.

In a flat aggregation, in which no aggregate function is applied, it selects the first value that it can retrieve from a column, which is the first value. This function has limited value outside of an aggregation. See *Pivot Transform*.

Input column might be of Integer, Decimal, String, Object, or Array type.

Basic Usage

```
pivot value:ANY(myRating) group:postal_code limit: 1
```

Output: Generates a two-column table containing the unique values from the `postal_code` column and a single value from the `myRating` column for the `postal_code` value. The `limit` parameter defines the maximum number of output columns.

Syntax and Arguments

```
pivot value:ANY(function_col_ref) [group:group_col_ref] [limit:limit_count]
```

Argument	Required?	Data Type	Description
function_col_ref	Y	string	Name of column to which to apply the function

For more information on syntax standards, see *Language Documentation Syntax Notes*.

For more information on the `group` and `limit` parameters, see *Pivot Transform*.

function_col_ref

Name of the column from which to extract a value based on the grouping.

- Literal values are not supported as inputs.
- Multiple columns and wildcards are not supported.

Usage Notes:

Required?	Data Type	Example Value
Yes	String (column reference)	myValues

Examples

Tip: For additional examples, see *Common Tasks*.

Example - Aggregating on one customer per month

You want to do some sampling of customer orders on a monthly basis. For your sample, you want to select the sum of orders for one customer each month.

Source:

Here are the orders for 1Q 2015:

OrderId	Date	CustId	Qty
1001	1/8/15	C0001	12
1002	2/12/15	C0002	65
1003	1/16/15	C0004	23
1004	1/31/15	C0002	92
1005	2/2/15	C0005	56
1006	3/2/15	C0006	83
1007	3/16/15	C0005	62
1008	2/21/15	C0002	43
1009	3/28/15	C0001	86

Transform:

To aggregate this date by month, you must extract the month value from the Date column:

```
derive type:single value: DATEFORMAT(Date, 'MMM') as:'month_Date'
```

You should now have a new column with three-letter month abbreviations. You can use the following aggregation to gather the sum of one customer's orders for each month:

```
pivot value: ANY(CustId),SUM(Qty) group: month_Date limit:1
```

Results:

month_Date	any_CustId	sum_Qty
Jan	C0001	127
Feb	C0002	164
Mar	C0006	211