

m_utl_get_min_value.sas File Reference

Utilities

Utility macro to obtain the minimum value of a table column

Description

The program is used to obtain the min value of a column in a table for both numeric and character type columns. When all of the values for the given column are missing, the macro returns RESULT=0 for numeric or RESULT= for character type columns.

Note

The output argument `RESULT` should be set to: %local result; in the program that calls the `m_utl_get_min_value.sas` macro.

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Version

20.1.02

Link

<https://github.com/paul-canals/toolbox>

Parameters

| | | |
|--------|--------|---|
| Input | help | Parameter, if set (or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call. |
| Input | table | Full LIBNAME.TABLENAME name of the lookup table. The default value for TABLE is: _NONE_. |
| Input | column | Contains the name from which the minimum value is to be obtained. The default value for COLUMN is: _NONE_. |
| Output | result | Contains the macro variable name in which the result output is to be loaded. The default value for RESULT is: _MIN_VALUE_. |
| Input | debug | Boolean [Y N] parameter to provide verbose mode information. The default value is: N. |

Returns

- Minimum value for given table column: _MIN_VALUE_

Calls

- [m_util_print_message.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_get_min_value(?)
```

Example 2: Get the minimum value for AGE from SASHELP.class:

```
%let _min_age=;

%m_utl_get_min_value(
    table = SASHELP.class
    , column = Age
    , result = _min_age
    , debug = Y
);

%put The minimum age in SASHELP.class is: &_min_age.;
```

Example 3: Get the minimum value for NAME from SASHELP.class:

```
%let _min_name=;

%m_utl_get_min_value(
    table = SASHELP.class
    , column = Name
    , result = _min_name
    , debug = Y
);

%put The lowest name in SASHELP.class is: &_min_name.;
```

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