

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.

Autors

Paul Alexander Canals y Trocha (paul.canals@gmail.com)

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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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