

m_utl_chk_reqcols.sas File Reference

Utilities

Utility macro to check if requested columns exist in table

Description

The macro checks if a given list of required columns exist in a given SAS dataset or table. The macro returns a boolean value: the value 1 means that all columns are present in the table, and 0 when not all columns are present. This macro is originally based on the ut_reqcols_found.sas macro program by Dave Prinsloo (dave.prinsloo@yahoo.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 or SAS dataset. The default value for TABLE is: _NONE_.
Input	rcols	List of columns separated by a blank character. The default value for RCOLS is: _NONE_.
Input	msg_text	Optional parameter to add additional information to the output text message when not all required columns are found in the given table.
Input	msg_type	Determines the severity of the message when not all required columns are found in the given table. The default value for MSG_TYPE is: ERR.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Either 1 or 0.

Calls

- [m_utl_list_operation.sas](#)
- [m_utl_print_message.sas](#)
- [m_utl_varlist.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_chk_reqcols(?)
```

Example 2: Check required columns "Name Sex Age" against Class dataset:

```
%let found=
  %m_utl_chk_reqcols(
    table      = SASHELP.class
    , rcols    = Name Sex Age
    , msg_text  = PID:&sysjobid.
    , msg_type  = WNG
    , debug    = Y
  );

%put &=found.;
```

Example 3: Check required columns "Name School" against Class dataset:

```
%let found=
  %m_utl_chk_reqcols(
    table      = SASHELP.class
    , rcols    = Name School
    , msg_text  = PID:&sysjobid.
    , msg_type  = OK
    , debug    = Y
  );

%put &=found.;
```

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