m_utl_nlobs.sas File Reference

Utilities

Utility macro to determine the number of records in a table

Description

The macro can be used anywhere in a SAS program including within a SAS procedure or SAS data step. If the table does not exist, it returns -1. If the table exists, but cannot opened it returns 0. Different parameter names are allowed. This macro is originally based on the ut_nlobs.sas macro by Dave Prinsloo (dave.prinsloo@yahoo.com) and also the where statement inclusion by Roland Rashleigh-Berry.

Note

The SHOW_ERR parameter shows or suppresses possible warnings or errors in the log. The default value for SHOW_ERR is: N.

Note

In case of encrypted SAS datasets, the ENCRYPTKEY= parameter must be provided as part of the CREDS credentials string.

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Date

2020-09-04 00:00:00

Version

20.1.09

Link

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

Parameters

Input	help	Parameter, if set (Help or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	dataset	Full LIBNAME.TABLENAME name of the table or SAS dataset to get the number of records from. The parameter can contain SAS data step style where statement between brackets. See example 3 below. The default value is: _NONE_.
Input	table	Alias of the dataset= parameter.
Input	data	Alias of the dataset= parameter.
Input	creds	Optional. Specifies the ENCRYPTKEY= parameter value if DATASET involves an encrypted dataset.
Input	show_err	Boolean [Y|N] parameter to show or hide warnings or errors in the log. The default value is: Y.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- The number of non-deleted records in a given table

Calls

- m_utl_print_message.sas
- m_utl_print_mtrace.sas

Usage

Example 1: Show help information:

```
%m_utl_nlobs(?)
```

Example 2: Get number of records from an encrypted SAS dataset:

```
data WORK.class(encrypt=aes encryptkey=aespasskey);
   set SASHELP.class;
run;

proc print data=WORK.class(encryptkey=aespasskey);
   where Sex='F';
run;

%let numobs=
   %m_utl_nlobs(
      dataset = WORK.class(where=(Sex='F'))
    , creds   = %str(encryptkey=aespasskey)
    , debug   = Y
      );

%put NUMOBS=&numobs.;

data WORK.nlobs;
   table='WORK.class';
   sex='F';
   nlobs=&numobs.;
run;

proc print data=WORK.nlobs noobs;
run;
```

Example 3: Get number of records from dataset with where statement:

```
data WORK.nlobs;
   table='SASHELP.class';
   age_over_13=
      %m_utl_nlobs(
         dataset = SASHELP.class(where=(Age > 13))
       , debug   = Y
         );
run;

proc print data=WORK.nlobs noobs;
run;
```

Example 4: Get number of records from a SAPBW table:

```
%let numobs=
   %m_utl_nlobs(
      table = SAPBW.T000
    , debug = Y
      );

%put NUMOBS=&numobs.;
```

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