

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 be 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 CRED\$ credentials string.

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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: <code>_NONE_</code> . |
| 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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