m_utl_get_attrn.sas File Reference

Utilities

Utility macro to return a numerical attribute of a SAS dataset

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Description

The macro can be used to obtain numerical attribute information of a SAS DATASET. The following is a list of valid numerical SAS dataset attribute names:
ALTERPW
ANOBS
ANY
ARAND
ARWU
AUDIT
AUDIT_DATA
AUDIT_BEFORE
AUDIT_ERROR
CRDTE
ICONST
INDEX
ISINDEX
ISSUBSET
LRECL
LRID
MAXGEN
MAXRC
MODTE
NDEL
NEXTGEN
NLOBS
NLOBSF
NOBS
NVARS
PW
RADIX
READPW
REUSE
TAPE
VAROBS
WHSTMT
WRITEPW

Note

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

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Link

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	intable	Full qualified LIBNAME.TABLENAME name of the source database table or SAS dataset. The default value for INTABLE is: _NONE_.
Input	attr_nm	Parameter to specify the name of the SAS data set attribute whose numeric value is returned. If the value of ATTR_NM is invalid, a missing value is returned and optionally a warning or error message will be written in the SAS log.
Input	show_err	Boolean [Y|N] parameter to show or hide warnings or errors in the log. The default value is: N.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- Returns the result of the attrn value supplied.

Calls

- m_utl_print_message.sas
- m_utl_print_mtrace.sas

Usage

Example 1: Show help information:

```
%m_utl_get_attrn(?)
```

Example 2: Get the number of observations in a SAS dataset (ignores WHERE statement):

```
%let numobs =
    %m_utl_get_attrn(
        intable = SASHELP.class (where=(Sex eq 'F'))
      , attr_nm = NLOBS
      , debug   = Y
        );

%put &=numobs.;
```

Example 3: Get the number of columns in a SAS dataset:

```
%let numcols =
    %m_utl_get_attrn(
        intable = SASHELP.class
      , attr_nm = NVARS
      , debug   = Y
        );

%put &=numcols.;
```

Example 4: Check if the SAS dataset is password protected:

```
%let pwdexist =
    %m_utl_get_attrn(
        intable = SASHELP.class
      , attr_nm = PW
      , debug   = Y
        );

%put &=pwdexist.;

data WORK.class (pw=password);
    set SASHELP.class;
run;

%let pwdexist =
    %m_utl_get_attrn(
        intable = WORK.class (pw=password)
      , attr_nm = PW
      , debug   = Y
        );

%put &=pwdexist.;

proc datasets lib=WORK nolist nowarn;
    modify class(pw=password/);
    delete class;
quit;
```

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