

m_utl_unique_number.sas File Reference

Utilities

Utility macro to generate a unique integer number value

Description

The macro generates a unique (integer) number based on a combination of a minimum / maximum value and a number sequence. The last number used value is held by a global SAS macro variable defined by the MVAR_NAME parameter.

Autors

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

Date

2020-09-07 00:00:00

Version

20.1.09

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	min	Optional. Parameter to set the minimum value for the unique number generation. The default value for MIN is: 1.
Input	max	Optional. Parameter to set the maximum value for the unique number generation. The default value for MAX is: 1000000.
Output	mvar_name	Name of the global macro variable containing the last used integer sequence number value. The default value for MVAR_NAME is: _unique_nr.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Unique integer sequence number value.

Calls

- [m_utl_print_message.sas](#)
- [m_utl_print_mtrace.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_unique_number(?)
```

Example 2: Generate a unique integer value (result is: 1):

```
%let number=
  %m_utl_unique_number(
    debug = Y
  );
%put &=number.;
```

Example 3: Generate a unique integer value (result is: 2):

```
%let number=
  %m_utl_unique_number(
    debug = Y
  );
%put &=number.;
```

Copyright

Copyright 2008-2020 Paul Alexander Canals y Trocha.

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <<https://www.gnu.org/licenses/>>.