m_utl_random_number.sas File Reference

Utilities

Utility macro to generate a random integer number value

Description

The macro generates a random (integer) number between a given minimum and maximum values using SAS floor and rand functions.

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Version

21.1.01

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	min	Optional. Parameter to set the minimum value for the random number generation. The default value for MIN is: 1.
Input	max	Optional. Parameter to set the maximum value for the random number generation. The default value for MAX is: 1000000.
Input	debug	Boolean [Y|N] parameter to provide verbose mode information. The default value is: N.

Returns

- Random integer number value.

Calls

- m_utl_print_message.sas
- m_utl_print_mtrace.sas

Usage

Example 1: Show help information:

```
%m_utl_random_number(?)
```

Example 2: Generate a random integer value between 1 and 1000:

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

Example 3: Generate a random integer value between 1 and 100:

```
%let number=
  %m_utl_random_number(
     min   = 1
   , max   = 100
   , debug = Y
     );
%put &=number.;
```

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