

m_utl_txt2ds.sas File Reference

Utilities

Utility macro to import a delimited TXT file into a SAS dataset

Description

This program converts an external delimited file with a TXT extension into a SAS dataset or database table.

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Version

22.1.11

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	in_file	Specifies the name and location of the external delimited file with a TXT extension. The default value is: _NONE_.
Input	out_ds	Specifies the full LIBNAME.TABLENAME name of the output SAS dataset or database table. The default value is: _NONE_.
Input	engine	Indicator [DLM TAB] parameter to specify the that is to be used to import the delimited file. The default value is: DLM.
Input	replace	Boolean [Y N] to decide whether the output is to replace the information that is currently in the specified SAS dataset, or to be appended to the end of the already existing SAS dataset or table. The default value is: Y.
Input	sepchar	Specifies the two-character hexadecimal code for the separator character. The default value is 3B which represents a semicolon. Other possible values are for example 2C which represents a comma, or 09 which represents a tab as the separator character. The default value is: 3B.
Input	getnames	Boolean [Y N] to decide whether to import the first record of the delimited file containing the column names. The default value is: Y.
Input	datarow	Optional parameter to specify the first record containing the data information. This parameter is only valid if the GETNAMES parameter is set to N. The default value is: 2.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Output SAS dataset or database table.

Calls

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

Usage

Example 1: Show help information:

```
%m_utl_txt2ds(?)
```

Example 2: Step 1 - Export a SAS dataset into a semicolon delimited TXT file:

```
proc export
  data=SASHELP.cars
  outfile="%sysfunc(getoption(WORK))/cars.txt"
  dbms=dml
  replace;
  delimiter='3B'x;
run;
```

Example 2: Step 2 - Import the semicolon delimited file into a SAS dataset:

```
%m_utl_txt2ds(
  in_file = %str(%sysfunc(getoption(WORK))/cars.txt)
  , out_ds = WORK.cars
  , engine = dml
  , debug  = Y
  );

proc print data=WORK.cars;
run;
```

Example 3: Step 1 - Export a SAS dataset into a tab delimited TXT file:

```
proc export
  data=SASHELP.cars
  outfile="%sysfunc(getoption(WORK))/cars.txt"
  dbms=dml
  replace;
  delimiter='09'x;
run;
```

Example 3: Step 2 - Import the tab delimited file into a SAS dataset:

```
%m_utl_txt2ds(
  in_file = %str(%sysfunc(getoption(WORK))/cars.txt)
  , out_ds = WORK.cars
  , engine = tab
  , debug  = Y
  );

proc print data=WORK.cars;
run;
```

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