

m_utl_csv2ds.sas File Reference

Utilities

Utility macro to import a CSV file into SAS datasets or tables

Description

This program converts an external comma separated file with an CSV extension into a SAS datasets or database table.

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Version

23.1.05

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 comma separated file with CSV extension. The default value is: <code>_NONE_</code> . |
| Input | out_ds | Specifies the full LIBNAME.TABLENAME name of the output SAS dataset or database table. The default value is: <code>_NONE_</code> . |
| Input | engine | Indicator [CSV] parameter to specify the that is to be used to the comma separated file. Optionally in combination with certain DELIMITER parameter value, the engine value is set to DLM. The default value for ENGINE is: CSV. |
| 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 | getnames | Boolean [Y N] to decide whether to import the first record of the CSV file containing the column names. The default value is: Y. |
| Input | datarow | Optional parameter to specify the first records containing the data information. This parameter is only valid if the GETNAMES parameter is set to N. The default value is: 2. |
| Input | chkrows | Optional parameter to specify the number of rows to check to obtain the column length information. The default value for CHKROWS is: 20. |
| Input | delimiter | Optional parameter to specify the that separates the columns in the IN_FILE delimited file. Valid values can be a comma, colon, space or semi-colon. The default value is: , (comma). |
| 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_csv2ds(?)
```

Example 2: Step 1 - Export the CARS table to a CSV file named cars.csv:

```
proc export
  data=SASHELP.cars
  dbms=csv
  outfile="%sysfunc(getoption(WORK))/cars.csv"
  replace;
run;
```

Example 2: Step 2 - Import the cars.csv file into a SAS dataset:

```
%m_utl_csv2ds(
  in_file=%str(%sysfunc(getoption(WORK))/cars.csv)
  , out_ds  = WORK.cars
  , engine  = csv
  , replace = Y
  , debug   = Y
  );

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

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