CHAPTER

15

The DBCSTAB Procedure

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Overview

The DBCSTAB procedure produces conversion tables for the double-byte character sets that SAS supports.

Procedure Syntax

PROC DBCSTAB TABLE=*table-name*
<BASETYPE=*base-type*> <CATALOG=<*libref.*>*catalog-name*>
<DATA=<*libref.*>*table-name*> <DBCSLANG=*language*>
<DESC='*description*'> <FORCE> <VERIFY>;

PROC DBCSTAB Statement

PROC DBCSTAB TABLE=*table-name*
<*option(s)*>;

Required Arguments

TABLE=*table-name*
specifies the name of the double-byte code table to produce. This table name becomes an entry of type DBCSTAB in the catalog that is specified with the CATALOG= option. By default, the catalog name is SASUSER.DBCS.

Alias: NAME=, N=

Options

BASETYPE=*base-type*
specifies a base type for the double-byte code table conversion. If you use this option, you reduce the number of tables that are produced.

If you specify BASETYPE=, all double-byte codes are first converted to the base code, and then converted to the required code. If you have n codes, there are $n(n\text{-}1)$ conversions that must be made.

Alias: BTYPE=

CATALOG=<*libref.*>*catalog-name*
specifies the name of the catalog in which the table is to be stored. If the catalog does not exist, it is created.

Default: SASUSER.DBCS

DATA=<*libref.*>*table-name*
specifies the data for producing the double-byte code table. Several double-byte character variables are required to produce the table. Use variable names that are equivalent to the value of the DBCSTYPE system option and are recognized by the KCVT function.

DBCSLANG=*language*
specifies the language that the double-byte code table uses. The value of this option should match the value of the DBCSLANG system option.

Alias: DBLANG

DESC='*description*'
species a text string to put in the DESCRIPTION field for the entry.

FORCE
produces the conversion tables even if errors are present.

VERIFY
checks the data range of the input table per code. This option is used to check for invalid double-byte code.

Examples

Example 1: Producing Japanese Conversion Tables

Procedure features:
PROC DBCSTAB statement options:
TABLE=
DATA=
DBLANG=
BASETYPE=
VERIFY

Program

```
data ja_jpn;
   length ibm jis euc pcibm $2.;
```

```
   ibm='4040'x;
   jis='2121'x;
   euc='a1a1'x;
   pcibm='8140'x;
run;

proc dbcstab
   table=japanese
   data=ja_jpn
   dblang=japanese
   basetype=jis
   verify;
run;
```

Log

```
1   proc dbcstab
2   table=ja_jpn
3   data=work.ja_jpn
4   dblang=japanese
5   basetype=jis
6   verify;
7   run;

NOTE: Base table for JIS created.
NOTE: IBM table for JIS created.
NOTE: PCIBM table for JIS created.
NOTE: EUC table for JIS created.
NOTE: Base table for IBM created.
NOTE: JIS table for IBM created.
NOTE: Base table for PCIBM created.
NOTE: JIS table for PCIBM created.
NOTE: Base table for EUC created.
NOTE: JIS table for EUC created.
NOTE: 10 DBCS tables are generated. Each table has 1 DBCS characters.
NOTE: Each table is 2 bytes in size.
NOTE: Required table memory size is 612.
NOTE: There were 1 observations read from the dataset WORK.JA_JPN.
```

The correct bibliographic citation for this manual is as follows: SAS Institute Inc., *SAS® Procedures Guide, Version 8,* Cary, NC: SAS Institute Inc., 1999. 1729 pp.

SAS® Procedures Guide, Version 8

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ISBN 1–58025–482–9

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SAS Institute Inc., SAS Campus Drive, Cary, North Carolina 27513.

1st printing, October 1999

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