

SASに関するWebサイト紹介 (TIPS&テクニックを含めて)

武田薬品工業株式会社
医薬開発本部統計解析部
統計グループ 岩本光司

Webからの情報集方法

- SAS社のHome Page
- SAS User GroupのHome Page
- News Group
- 大学等のHome Page

SAS User GroupのHome Page

- **SUGI**

- support.sas.com/usergroups/sugi/intro.html

- **PHARMASUG**

- www.pharmasug.org

- **NESUG** (North East SAS Users Group)

- www.nesug.org

- **WUSS** (Western Users of SAS Software)

- www.wuss.org



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Brief presentations illustrate tips, tricks and coding techniques.

[SAS Solutions](#)

Focuses on the design, development and implementation of applications (programs, systems and utilities) used to deliver information from data.

[Data Warehousing and Database Management](#)

Addresses process involved in the organization, access, and management of data for use in decision making. Topics include data capture, metadata, and data

[Data Analysis and Statistics](#)

Examines methods and applications of statistics, data analysis, modeling and data mining.

<<How MERGE Really Works >> Bob Virgile from NESUG

```
data WK1 ;
  input ID$ AGE ;
cards ;
001-1 43
001-2 55
002-1 60
;
run ;

data WK2 ;
  input ID$ KEY ;
cards ;
001-1 1
001-1 2
001-2 1
002-1 1
;
run ;
```

```
data WK3 ;
  merge WK1 WK2 ;
  by ID ;
  if ID = "001-1" and KEY = 2 then AGE = . ;
run ;
```

```
data WK4(drop=AGE rename=(DUMMY=AGE)) ;
  merge WK1 WK2 ;
  by ID ;
  if ID = "001-1" and KEY = 2 then DUMMY = . ;
  else DUMMY = AGE ;
run ;
```

```
===== WK3 =====
  ID      AGE      KEY
001-1     .        1
001-1     .        2
001-2    55        1
002-1    60        1
```

```
===== WK4 =====
  ID      KEY      AGE
001-1     1        43
001-1     2         .
001-2     1        55
002-1     1        60
```

News Group

- **SAS-L mailing list** (Univ. of Georgia)
 - listserv.uga.edu/archives/sas-l.html
- **Google “comp.soft-sys.sas”**
 - groups.google.com/groups?hl=en&lr=&ie=UTF-8&group=comp.soft-sys.sas



www.listserv.uga.edu

The University of Georgia

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Archives of SAS-L@LISTSERV.UGA.EDU

SAS(r) Discussion

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- [Manage the list \(list owners only\)](#)

- [May 2003, week 3](#)
- [May 2003, week 2](#)
- [May 2003, week 1](#)
- [April 2003, week 5](#)
- [April 2003, week 4](#)
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Threads 101-125 of about 95,600 in comp.soft-sys.sas

Date	Thread Subject	Most Recent Poster
15 May 2003	Date ranges; was Formatting of value (7 articles)	Pierre Thomasset
15 May 2003	study JCL, SAS (8 articles)	SAS User
15 May 2003	maximum number of variables in SAS (15 articles)	SAS User
15 May 2003	Simple macro (11 articles)	Ian Whitlock
15 May 2003	A little mystery of proc sql group by (8 articles)	Ian Whitlock
15 May 2003	FeaturePrice Announces: We're Closing (1 article)	We're Closing
15 May 2003	Ending SAS AF Application (6 articles)	Don Burklo
15 May 2003	unobserved heterogeneity in sas (2 articles)	stefan
15 May 2003	PROC to find best regression? (5 articles)	Paige Miller

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Hi

I wonder if someone can help me create a macro to pick records based on some parameter and save those records in separate files. I have following sample records. Can the macro pick up records based on Var2 and save in separate files say samp1.work, samp2.work, sanp3.work etc

Sample records

Var 1	Var2	Var3	Var4
1	1	A	S
2	1	P	L
2	1	Y	I
3	1	U	O
4	2	A	T
5	2	F	U
4	2	I	J
6	2	H	K
7	3	R	D
8	3	D	W
8	3	X	B
9	3	A	Z
10	3	Q	C

Thanks

It's not a macro but

```
DATA set1 set2 set3;  
  SET Q;  
  IF      var2 = 1 THEN OUTPUT set1;  
  ELSE IF var2 = 2 THEN OUTPUT set2;  
  ELSE IF var2 = 3 THEN OUTPUT set3;  
RUN;
```

Barry Schwarz

データが1から発生しているならマクロ化は可能

```
%macro a(max=) ;  
  data %do i=1 %to &max ; set&i %end ;;  
  set q ;  
  select (Var2) ;  
    %do i=1 %to &max ;  
      when (&i) output set&i ;  
    %end ;  
  otherwise ;  
end ;  
run ;  
%mend a ;  
  
%a(max=3) ;
```

Shakti,

You have been well advised by Howard Schreier to first evaluate alternate ways to function with your data. A BY group processing (available in most PROCs) will eliminate the need (in most cases) to split up your data into many datasets. However, if your situation is so unique that you must absolutely have it that way, then see the code below. This is not a macro, but something that functions as one. The following code with CALL EXECUTE will produce as many datasets as there are DISTINCT values of VAR2. The names of the datasets begin with DAT and are suffixed by the DISTINCT values of VAR2.

```
proc sql ;
  create view sel as select distinct var2 from q ;
quit ;

data _null_ ;
  set sel ;
  call execute ("data dat" || left(var2) || ";" ||
               "set q (where = (var2 =" || var2 || "));" ||
               "run;") ;

run ;
```

Kind Regards,
Venky

大学等のHome Page

- **University of Texas**
 - www.utexas.edu/cc/faqs/stat/
- **UCLA Academic Technology Services**
 - www.ats.ucla.edu/stat/sas/
- **Webring**
 - p.webring.com/rw
- **Richard A. DeVenezia**
 - <http://www.devenezia.com/#sas>

Frequently Asked Questions and Answers

These questions are frequently asked by our clients. New questions and answers are added to the bottom of each category list which appears below; browse the category list periodically to check for new FAQs which may help you to answer your question.

You can search (or browse) our HTML faq selection shown below. If you are a UT-affiliate (faculty, staff, or student of the UT system) and do not find the answer to your question here, please send us [e-mail](#). We will do our best to answer your question. If you are not a UT-affiliate, we regret that we cannot answer your question.

If you cannot find the answer to your question here, you can try the [Internet-based SAS FAQ Webring](#) appearing at the bottom of this page.

Search these FAQs: *(Supports AND, OR, NOT, and *)*

General

[#1: Available Macintosh Statistical Software](#)

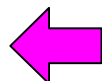
Resources to Help you Learn and Use SAS

Learning SAS

[Class Notes 2.0](#)

[Learning Modules](#)

[Frequently Asked Questions](#)



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[Annotated Output](#)

Advanced Usage

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SAS News

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Important Links

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[Syntax for common SAS Procedures](#)

[SAS Online Documentation \(including HTML Documentation\)](#)

Have you seen?

[What's New in SAS Version 8, 8.1 & 8.2](#)

[SAS Web Book on Regression](#)

[Textbook Examples for Applied Logistic Regression \(2nd Ed\)](#)

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[Logistic Regression](#)

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SAS Frequently Asked Questions

Updating SAS setinit

- [How do I update my SAS setinit \(when my SAS has not yet expired\)?](#)
- [How do I update my SAS setinit when my SAS/Windows has expired?](#)

Reading/Writing Files

- Converting among SAS, SPSS and Stata
 - [How do I convert among SAS, SPSS and Stata data files?](#)
 - [How do I move SAS files from the Cluster to Windows?](#)
- Reading/Writing SAS Data Files in SAS Version 8
 - [How do I read a SAS Version 6 data file in SAS Version 8?](#)
 - [How do I convert a SAS Version 6 file to a SAS version 8 data file?](#)
 - [How do I convert a SAS version 6 format library to a SAS Version 8 format library? \(using Windows\)](#)
 - [How do I convert a SAS version 8 file to a SAS version 6 file?](#)
- Reading Raw Data Files
 - [How do I read a data file that uses spaces as delimiters \(in version 8\)? \(see also \[version 6\]\(#\)\)](#)
 - [How do I read a data file that uses tabs as delimiters \(in version 8\)? \(see also \[version 6\]\(#\)\)](#)
 - [How do I read a data file that uses commas as delimiters \(in version 8\)? \(see also \[version 6\]\(#\)\)](#)
 - [How do I read a delimited raw data file \(a file that uses delimiters to separate variables\)?](#)
 - [How do I read a delimited file with missing values?](#) ←
 - [How do I read a delimited file that has delimiters embedded in the data?](#)
 - [What are some common INFILE options for reading a raw data file?](#)
 - [How do I read raw data files compressed with gzip \(.gz files\) in SAS?](#)

SAS FAQ

How do I read a delimited file with missing data in SAS?

It is very convenient to read comma delimited, tab delimited, or other kinds of delimited raw data files. However, you need to be very careful when reading delimited data with missing values. Consider the example raw data file below. Note that the value of **mpg** is missing for the AMC Pacer and the missing value is signified with two consecutive commas (,,)

```
AMC Concord,22,2930,4099
AMC Pacer,,3350,4749
AMC Spirit,22,2640,3799
Buick Century,20,3250,4816
Buick Electra,15,4080,7827
```

We read the file using the program below using **DELIMITER=','** to indicate that commas are used as delimiters

```
DATA cars1;
  length make $ 20 ;
  INFILE 'readdsd.txt' DELIMITER=', ' ;
  INPUT make mpg weight price;
RUN;

PROC PRINT DATA=cars1;
RUN;
```

But, as we see below, the data was read incorrectly for the AMC Pacer.

OBS	MAKE	MPG	WEIGHT	PRICE
1	AMC Concord	22	2930	4099
2	AMC Pacer	3350	4749	.
3	Buick Century	20	3250	4816
4	Buick Electra	15	4080	7827

SAS does not properly recognize **empty** values for delimited data unless you use the **DSD** option. You need to use the **DSD** option on the **INFILE** statement if two consecutive delimiters are used to indicate missing values (e.g. two consecutive commas, two consecutive tabs). Below, we read the exact same file again, except that we use the **DSD** option.

```
DATA cars2;
  length make $ 20 ;
  INFILE 'readdsd.txt' DELIMITER=', ' DSD ;
  INPUT make mpg weight price;
RUN;

PROC PRINT DATA=cars2;
RUN;
```

The output is shown below.

OBS	MAKE	MPG	WEIGHT	PRICE
1	AMC Concord	22	2930	4099
2	AMC Pacer	.	3350	4749
3	AMC Spirit	22	2640	3799
4	Buick Century	20	3250	4816
5	Buick Electra	15	4080	7827

As you see in the output, the data for the AMC Pacer was read correctly because we used the **DSD** option See also [Reading tab delimited data](#) [Reading comma delimited data](#) [Reading delimited data](#)

See Also...

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This Ring is a collection of web sites containing FAQ's, Hints and Tips dedicated to SAS[®] software coding techniques.

Ring Stats

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- last action: 08/08/2002
- 18 page views today
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[SPIKEware, Inc.](#)

SPIKEware provides SAS consulting in the Chicagoland area. Visit our site for our free downloadable tutorials and SAS macros!

[Frequently-Asked Questions and Answers](#)

This site features brief frequently-asked questions and answers ranging from system related issues (e.g., how can I increase RAM available under SAS on UNX? How can I update my SAS license on MS Windows?) through the use of SAS for statistical and graphical analyses. We regret that due to limited staff resources we can only address follow-up questions from University of Texa

[Experience Reading SAS Portable Format Datasets](#)

Some experiences of reading SAS portable format datasets.

[SAS Tips 'n Tricks Portal](#)

A user community website that allows submitting tips and tricks for SAS Software.

[SAS.CertifiedProgrammer.com](#)

A site focused on SAS certification exams. Includes Mock Exams and Discussion Boards.

[Frequently Asked Questions about SAS Software](#)

A collection of Question & Answer Lists based on SAS questions received by the author - Phil Holland (Holland Numerics Ltd)


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[SAS Tips](#)

List of Web Links



- ◉ Wood Street Consulting (UK) - [SAS Tips & Techniques](#)
- ◉ SAS® [Tips](#) and Samples by PW Consulting BV
- ◉ [Transfer](#) data from MS-Excel to SAS within MS-Windows
- ◉ [Tips](#) for the transfer and converting data between MS-Access and SAS
- ◉ [Helpful](#) computing hints and statistical applications with SAS by the Sacramento Statistical Association (SSA)
- ◉ Howard Seltman's [SAS Page](#)
- ◉ SAS [Coding](#) Tips and Techniques by Charles Patridge
- ◉  [OLE automation](#) of the SAS System in Windows 95/NT
- ◉ Additional [SAS Topics](#) at University of Southwestern Louisiana
- ◉ SAS at MIT: [Technical Tips](#)
- ◉ [List](#) of programming techniques and answers of frequently asked programming questions (by examples)
- ◉ find 2000: uncover Year 2000 problems in SAS
Qualex - [Find2000](#) - SAS Year 2000 Search Tool
- ◉ SAS **Tools** by Qualex
- ◉ At [SAS.Masses](#), there are resources for SAS users, which want to get more out of the **SAS System** and want to share her or his knowledge base; this site also provides the [SAS Tip of the Week](#)

Richard A. DeVenezia

Contents

- [Contact](#)
- [Papers](#)
- [Software](#) [Windows](#), [SAS](#), [Java](#), [Perl](#)
- [Links](#)
- [Comments and Suggestions](#)
- [Guestbook](#)

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