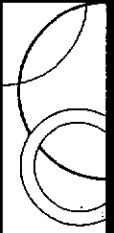


Getting Your Data into SAS


SAS User Group
Organizational Meeting
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Topics:


- Open SAS and main “windows” of interest
- Getting data from EXCEL sheet
- Typing data in SAS

Open SAS

- Get SAS from the local machine,
 - Look for the logo  on the desktop, or
 - Click on the "Start" → "SAS" → "SAS 9.1" (or other versions).
- Get SAS from "Virtual Desktop at UI",
 - <https://virtualdesktop.uiowa.edu/Citrix/VirtualDesktop/auth/login.aspx>
 - Log in with your HawkID and password
 - Click on the folder of "SAS 9"
 - Here It Is!

Three main "windows"

- Editor:
 - where you will type your program
- Output:
 - where SAS show the output of the procedures you submitted (Proc print, Proc freq, etc)
- Log:
 - where SAS displays log information, contains *error messages, warning messages*



Three main “windows”

Note:

- The contents of these windows will not be saved automatically;
- To save the contents, you can either
 - Copy & paste...
 - Click on the window you want to save (so as to activate it), then click on the top “save” icon.



Getting EXCEL worksheet data

- **Click** the “file” button → “import”
 - select the “Standard data source”
 - select the type of file you want to import,
“Microsoft Excel 97, 2000 or 2002 worksheet”
 - Click “next”
 - “Browse” to target the file, and “OK”
 - choose the sheet from the list
 - choose the library, usually “work”, and name your data set, “next”
 - SAS can save the code of this importing job, name the place to store the code
 - “Finish”!

Getting EXCEL worksheet data

- Program:

- Example:

I want to get data from the file "meeting 1.xls" which is stored in folder "H:\SAS User Group".

There are three sheets in the excel file, "fake 1", "fake 2", and "Sheet3". "fake 1" is the one wanted


- SAS code:

```
proc import out= sasdata
  datafile= "H:\SAS User Group\meeting 1.xls"
  DBMS=EXCEL replace;
  sheet="fake 1$";
  getnames=yes;
run;
```

Getting EXCEL worksheet data

Note:

You can also use the file, which is saved by clicking method,

- copy and paste it to the "Editor" window,
- change the name of the data, path of the file, and name of the sheet,
- then RUN. 

Typing the data in SAS

- Example:

```
data typing;
  input name $ da1 da2 da3;
  cards;
Tom 14 44 18
Hanks 34 10 32
Nora 33 24 31
Jones 40 45 8
Gates 26 1 26
Brad 30 45 22
Pitt 15 50 44
Julia 48 14 19
Sandy 12 46 7
Me B 16 49
;
run;
```

Typing the data in SAS

Note:

- \$
 - tells SAS, the preceding variable is a character variable;
- cards
 - tells "the following is the data you should read"
- when finishing typing, start a new line, the type ";

Let's have some try!

- Please try out the examples on your machine.
- Feel free to ask.

