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************************************************************;
*  Using a Library to Read Excel Files                     *;
************************************************************;
*  Syntax and Example                                      *;
*                                                          *;
*    OPTIONS VALIDVARNAME=V7;                              *;
*    LIBNAME libref XLSX "path/filename.xlsx";             *;
*    LIBNAME libref CLEAR;                                 *;
************************************************************;

options validvarname=v7;
libname xlclass xlsx "/home/u47489920/EPG194/data/class.xlsx";

*other examples;
*libname xlclass xlsx "c:/workshop/data/class.xlsx";
*libname xlclass xlsx "c:/workshop/PG1/data/class.xlsx";

proc contents data=xlclass.class_birthdate;
run;

libname xlclass clear;

************************************************************;
*  Demo                                                    *;
*    1) Open the STORM.XLSX file in Excel to view the      *;
*       data. Notice that, in the STORM_SUMMARY            *;
*       worksheet, there are spaces in the Hem NS and Hem  *;
*       EW column headings. Close the Excel file after     *;
*       you finish viewing it.                             *;
*    2) Complete the OPTIONS statement to ensure that      *;
*       column names follow SAS naming conventions.        *;
*    3) Complete the LIBNAME statement to define a         *;
*       library named XLSTORM that connects to the         *;
*       STORM.XLSX workbook.                               *;
*    4) Highlight the OPTIONS and LIBNAME statements and   *;
*       run the selected code. Use the navigation pane to  *;
*       find the XLSTORM library. Open the STORM_SUMMARY   *;
*       table. Notice Hem_NS and Hem_EW columns include    *;
*       underscores. Close the STORM_SUMMARY table.        *;
*    5) Modify the PROC CONTENTS statement to read the     *;
*       STORM_SUMMARY table in the XLSTORM library.        *;
*    6) Add a statement to clear the XLSTORM library.      *;
*       Highlight the entire demo program and run the      *;
*       selected code.                                     *;
************************************************************;

*Complete the OPTIONS statement;
options validvarname=v7;

*Complete the LIBNAME statement;
```

```
libname XLSTORM xlsx "/home/u47489920/EPG194/data/storm.xlsx" ;

*Complete the DATA= option to reference the STORM_SUMMARY worksheet;
proc contents data= XLSTORM.STORM_SUMMARY ;
run;

*Clear the XLSTORM library;
```