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Summary of Lesson 6: Exporting Results

Exporting Data

- PROC EXPORT can export a SAS table to a variety of file formats outside SAS.

> **PROC EXPORT DATA=**_input-table_ **OUTFILE="**_output-file_**"**
> **<DBMS=**_identifier_**> <REPLACE>;**
> **RUN;**

- The XLSX engine requires a license for SAS/ACCESS to PC Files.

- The XLSX engine can read and write data in Excel files.

- To write data to a new or existing Excel workbook, use the LIBNAME statement to assign a libref pointing to the Excel file. Use the libref when naming output tables. The table name is the worksheet label in the Excel file.

> **OPTIONS VALIDVARNAME=V7;**

> **LIBNAME** _libref_ **XLSX "**_path/file_**.xlsx";**

- Use libref for output table(s).

> **LIBNAME** _libref_ **CLEAR;**

Exporting Reports

- The SAS Output Delivery System (ODS) is programmable and flexible, making it simple to automate the entire process of exporting reports to other formats.

> **ODS** _<destination> <destination-specifications>_**;**
>
> /* SAS code that produces output */
>
> **ODS** _<destination>_ **CLOSE;**

- Selected destinations:

  - CSVALL
  - PowerPoint
  - RTF
  - PDF

- Exporting results to Excel:

```
ODS EXCEL FILE="filename.xlsx" STYLE=style
            OPTIONS(SHEET_NAME='label');

/* SAS code that produces output */

ODS EXCEL OPTIONS(SHEET_NAME='label');

/* SAS code that produces output */

ODS EXCEL CLOSE;
```

- The ODS EXCEL destination creates an .XLSX file.

- By default, each procedure output is written to a separate worksheet with a default worksheet name. The default style is also applied.

- Use the STYLE= option on the ODS EXCEL statement to apply a different style.

- Use the OPTIONS(SHEET_NAME='label') on the ODS EXCEL statement to provide a custom label for each worksheet.

- Exporting results to PDF:

```
ODS PDF FILE="filename.pdf" STYLE=style
        STARTPAGE=NO PDFTOC=1;
ODS PROCLABEL"label";

/* SAS code that produces output */

ODS PDF CLOSE;
```

- The ODS PDF destination creates a .PDF file.

- The PDFTOC=n option controls the level of the expansion of the table of contents in PDF documents.

- The ODS PROCLABEL statement enables you to change a procedure label.