

Advance SAS[®] techniques to generate Automated Topline RTF Reports, daily use of PMs

PHUSE EU Connect 2022

ICC Belfast, UK

Coding Tips & Tricks - CT12

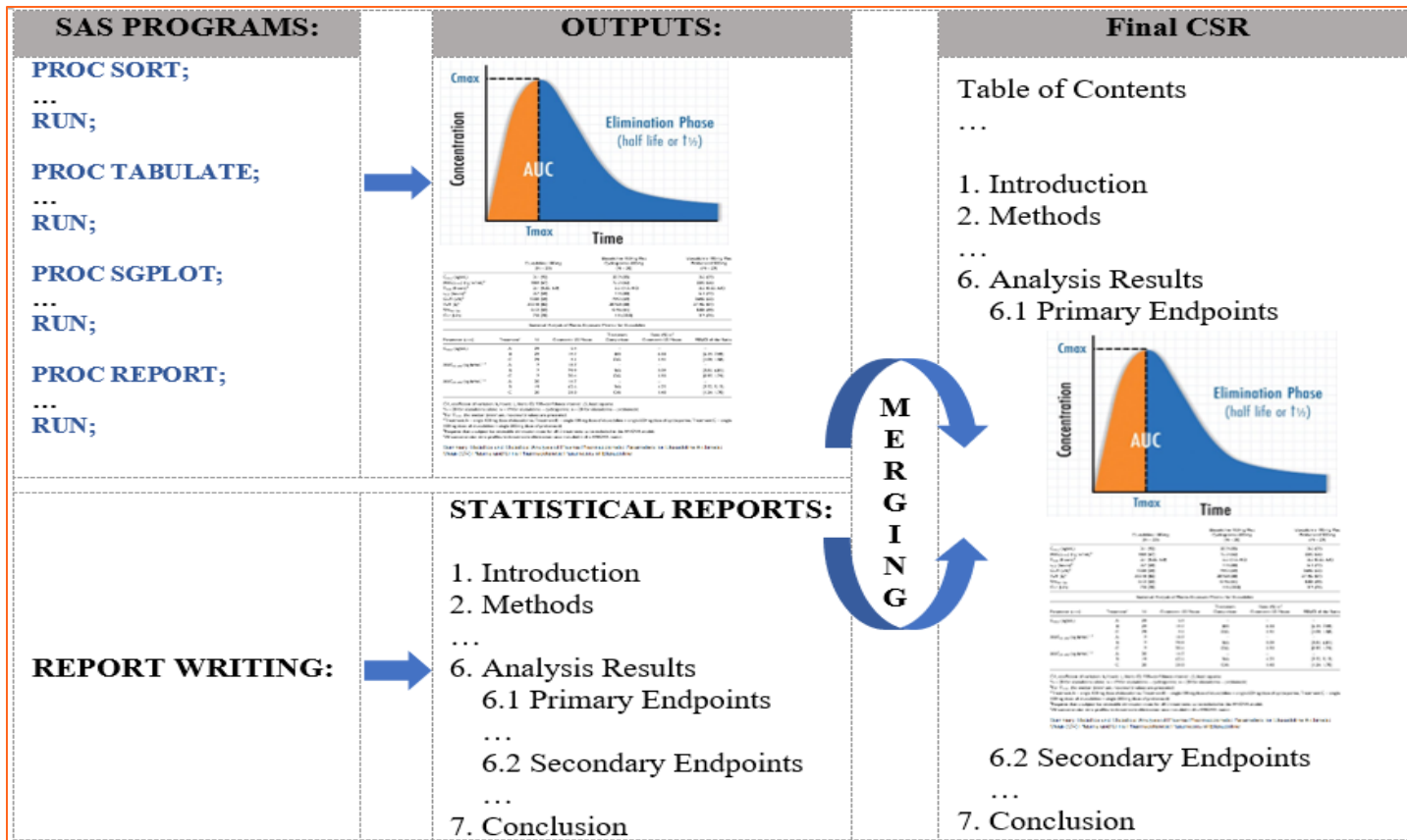
Md Mizan ALAM

Date: 13th - 16th November 22

AGENDA

- 01 Background
- 02 One Click Solution
- 03 Automated Topline Report
- 04 Traditional vs Automation
- 05  SAS Techniques
- 06 Prerequisite & Future Challenges
- 07 Q&A

Background





Automation

SH_Topline.sas

```

%INCLUDE inout(sh_macros);

%sh_start();

%sh_title(title=1 Introduction);
%sh_texts()
%sh_title(title=2 Methods);
%sh_texts()
...
%sh_title(title=6 Analysis Results);
%sh_texts();
%sh_title(title=6.1 Primary Endpoints);
%sh_image();

DATA;
PROC SQL;
QUIT;
PROC SGPLOT;
PROC REPORT;
RUN;

%sh_fnote()
%sh_title(title=6.2 Secondary Endpoints);
...
%sh_title(title=7 Conclusion);
%sh_texts();

%sh_stop;
                
```


 SH07015_Topline.sas

F9

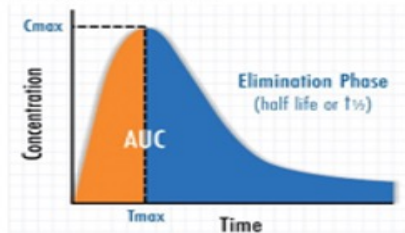


.RTF

Topline Report

Table of Contents
...

1. Introduction
2. Methods
- ...
6. Analysis Results
 - 6.1 Primary Endpoints



Parameter		Value	Unit	95% CI
Cmax	Mean (SD)	10.0 (2.0)	ng/mL	(8.0, 12.0)
Tmax	Median (IQR)	2.0 (1.0, 3.0)	h	(1.0, 3.0)
AUC	Mean (SD)	100.0 (20.0)	ng·h/mL	(80.0, 120.0)
t1/2	Median (IQR)	4.0 (3.0, 5.0)	h	(3.0, 5.0)

6.2 Secondary Endpoints

...

7. Conclusion


 Rich Text Format

Traditional

- All the information needs to be inserted manually.
- Needs input from many people.
- Customization is not effective always.
- QC required.
- Needs additional attention for TOC.
- Time consuming.



Automated

- ✓ One Simple SAS Program.
- ✓ You can program anything in SAS Editor window.
- ✓ You can insert anything (title, footnote, text, image).
- ✓ You can customize your text/report as you want.
- ✓ No need for QC.
- ✓ Auto generated TOC.
- ✓ Very efficient and Time Saving for multiple uses.
- ✓ One Person.
- ✓ One Click.

What else do
you need ?



Techniques

- *%sh_start()*
- *%sh_title()*
- *%sh_texts()*
- *%sh_image()*
- *%sh_ftnote()*
- *%sh_stop*

- ✓ PROC TEMPLATE
- ✓ ODS PATH
- ✓ ODS ESCAPECHAR
- ✓ ODS NOPROCTITLE
- ✓ ODS RTF
- ✓ ODS TEXT
- ✓ ODS LISTING

Prerequisite & Future Challenges

- ✓  Knowledge.
- ✓ Clinical Trials.

- ✓ More dimension to add.
- ✓ Extensive use.
- ✓ Final CSR.

Thank you for your attention

Shortening the Distance from Lab to Life[®].



Md Mizan ALAM
Sr. Statistical Programmer
mizan.alam@syneoshealth.com
+33773950252