

%jdtflstyle

Overview

The %jdtflstyle macro creates a style template for study PDF/RTF outputs. It opens ODS PDF/RTF destination, creates output files with specified formatting, and generates global macro variables containing timestamps. The macro implements custom styles based on SAS ODS style templates, markup, and tagsets.

Version Information

- Version: 1.0
- Last Updated: 05MAY2021
- Author: Atorus Research

Dependencies

- SAS Version: SAS 9.4 V9
- Required Global Variables:
 - __root: Root directory path (created automatically by xuprogpath.sas)
 - __clnt_I: Client identifier (created automatically by xuprogpath.sas)
 - __comp: Compound identifier (created automatically by xuprogpath.sas)
 - __prot: Protocol identifier (created automatically by xuprogpath.sas)
 - __subfolders_I: Subfolder structure (created automatically by xuprogpath.sas)
 - __task: Task identifier (created automatically by xuprogpath.sas)
 - __level: Development level (created automatically by xuprogpath.sas)
 - __side_I: Production side (created automatically by xuprogpath.sas)
- No macro dependencies

Parameters

Parameter	Required	Default	Description
filename	Yes	-	Name of the output file
filepath	No	&__root.&__clnt_I.&II.&__comp.&II.&__prot.&__subfolders_I.&II.&__task.&II.&__level.&__side_I.&II.tfl	File save path
type	No	RTF	File extension (RTF/PDF)
lmarg	No	1in	Left margin size
rmarg	No	1in	Right margin size
tmarg	No	0.5in	Top margin size
bmarg	No	1in	Bottom margin size
escapechar	No	\$	Escape character for ODS

Return Values/Output

- Creates output file:
 - [filename].rtf or [filename].pdf in specified filepath
- Creates global macro variables:
 - timestamp: Current datetime in E8601DT16. format
 - tmstmp_date: Date portion of timestamp
 - tmstmp_time: Time portion of timestamp
- Applies custom style template (glst1) with:
 - Courier font family
 - 9pt font size
 - Specific table, header, and title formatting

Processing Details

1. Parameter validation:

- Checks for empty required parameters
- Validates file type (RTF/PDF)
- Verifies path components

2. Style template creation:

- Defines custom style (glst1)
- Sets font properties
- Configures table formatting
- Establishes header/footer styles

3. Output generation:

- Creates timestamp variables
- Sets page orientation and margins
- Opens appropriate ODS destination
- Applies style template

Examples

```
/* Basic usage - create RTF output */
%jdtflstyle(T_10_1_1);

/* Create PDF with custom bottom margin */
%jdtflstyle(F_15_1_2,
            type=PDF,
            bmarg=0.8in);

/* Specify custom filepath and escape character */
%jdtflstyle(T_14_2_1,
            filepath=/path/to/output,
            escapechar=~);
```

Common Issues and Solutions

1. Invalid File Type

- Error: "parameter type should be RTF or PDF"
- Solution: Specify either RTF or PDF (case-insensitive)

2. Missing Parameters

- Error: "[parameter] is required parameter and should not be NULL"
- Solution: Provide all required parameters

3. Path Issues

- Issue: File not created in expected location
- Solution: Verify global variables for path construction

Notes and Limitations

1. Style template specifications:

- Fixed font family (Courier)
- Fixed font size (9pt)
- Predefined table formatting
- Standard header/footer styling

2. Output settings:

- Landscape orientation
- ACTXIMG device
- No automatic date/number
- No automatic titles/footnotes

3. Global variable dependencies:

- Requires specific project structure
- Uses standard directory separators
- Assumes specific naming conventions

See Also

- %kutitles: Title and footnote management
- Other TFL formatting macros

Change Log

Version 1.0 (05MAY2021)

- Initial release
- Basic style template functionality
- RTF/PDF output support
- Timestamp variable creation