

Converters from SAS[®] to DDI 3.0

Exporting SAS Datasets to DDI 3 XML files - Joachim Wackerow / Larry Hoyle

Both converters extract the metadata from a SAS file and its context. DDI3 elements highlighted in **blue** in the DDI Core Information Poster are written to a DDI Version 3.0 document. A SAS Installation is a prerequisite.

DATA Step approach

SAS2DDI3.sas – Larry Hoyle

Description

This approach uses a combination of DATA steps and PROCs such as PROC SQL and PROC Contents to gather metadata available in SAS related to a dataset, combined with a limited set of additional metadata (similar to DDI2 Lite elements) entered as shown below. The aggregated metadata are written to a DDI3 file by a DATA step.

Installation

Alternative 1: Make a copy of SAS2DDI3.sas and edit it as shown below. Run the copy of the program in SAS.

Alternative 2: Open a copy of SAS_To_DDI3.egp in Enterprise Guide 4 or later and follow the instructions in “Read Me First”.

Alternative 3: SAS2DDI3.sas could be implemented as a Web service with, for example, SAS/IntrNet.

Usage

Using SAS2DDI3.sas, user options are entered as arguments to SAS macro invocations. For example entering the Citation element title -

`%CitationElement(I_C_Title=%NRSTR(DDI file from SAS dataset),`

Using SAS_to_DDI3.egp, metadata can be entered into a SAS dataset:

	element	description	text
1	I_C_Title	Citation - Title	DDI file from SAS dataset
2	I_C_SubTitle	Citation - Subtitle	Subtitle from April 23, 2008

License and Status

SAS2DDI3.sas and SAS_to_DDI3.egp are freely available under the terms of the GNU General Public License. They are currently in beta state. These tools are not heavily tested, use at your own risk.

Download

<http://www.ipsr.ku.edu/ksdata/sashttp/SGF2008>

DDI Tagset for the SAS Output Delivery System

SAS_ODS_DDI_Tagset.sas – Joachim Wackerow

Description

First the metadata available in SAS must be gathered with some procedure steps similar to the DATA step approach. Then the aggregated metadata can be sent to an output destination. The metadata is transformed by the tagset to the DDI format. The DDI ODS tagset is a type of template that defines how to generate DDI from the ODS destination. By selection of the procedures, their options and by defining options for the DDI tagset the user has a fine control over the DDI output.

Installation

Running the file `SAS_ODS_DDI_Tagset.sas` will install the converter as template in `SASUSER.TEMPLAT`. This is a user-specific default location (SAS-supplied templates are in `SASHELP.TMPLMST`).

Usage

A provided example file can be adjusted for specific needs.

- Applying some PROCs like FORMAT, CONTENT, and SQL to gather the metadata.
- Defining the DDI tagset as ODS destination and a DDI output file
- Using familiar procedures like CONTENT and PRINT to output the metadata

License and Status

The SAS ODS DDI Tagset is freely available under the terms of the GNU General Public License. It is currently in beta state. The tool is not heavily tested, use it at own risk.

Download

http://www.gesis.org/en/software/ddi/tools/sas_ods_ddi_tagset/