



COLECTICA FOR EXCEL: USING DDI LIFECYCLE WITH SPREADSHEETS

In This Talk



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- Brief Overview of DDI-L
- Colectica for Excel: a free tool to document
 - ▣ Datasets, Variables, and Code Lists
- Import
 - ▣ Stata and SPSS
- Generate codebook documentation
- Demonstration



DDI Lifecycle

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- Uses DDI version 3.1
- In this tool, DDI-L documents and identifies datasets, variables, codelists, and categories
- Enables reuse of metadata through unique identification
 - ▣ Variables can share the same code list
- Records audit trail through versioning



Colectica for Excel

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Free



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□ Document Datasets

The screenshot shows the Microsoft Excel interface with the 'Data Documentation' ribbon selected. The ribbon contains several groups of options: 'Document Data' (Document Workbook, Dataset Information, Variable Editor, Variable Details, Code List), 'Options' (123), 'Save as DDI', 'Create Documentation', 'Export', 'Test', 'Show Metadata Sheet', and 'Debug'. The main worksheet displays a table with 10 rows and 5 columns (A-E). The 'Dataset Details' dialog box is open on the right, highlighted with a red border. It contains a 'Refresh Documentation' button and several text input fields for metadata: Title (Sample Study), Subtitle, Alternate Title, Creator (Colectica), and Publisher.

	A	B	C	D	E
1	ID	Age	Gender	Language	
2	1	30	1	1	
3	2	31	2	1	
4	3	30	1	1	
5	4	31	1	1	
6	5	30	2	2	
7	6	42	1	2	
8	7	40	1	3	
9	8	41	2	1	
10	9	42	2	1	
11	10	42	2	2	
12					
13					
14					
15					
16					
17					
18					
19					



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□ Document Variables

The screenshot displays a data table with columns labeled 'length', 'turn', and 'displacem'. The 'turn' column is highlighted in yellow. To the right, the 'Variable Details' panel is open, showing a description of the variable and its configuration options. The configuration options are highlighted with a red border.

Variable Details

The turning circle of a vehicle is the size of the smallest circular turn (i.e. U-turn) that the vehicle is capable of making.

Data Type
Numeric

Type
Integer

Additivity
Stock

Minimum
1

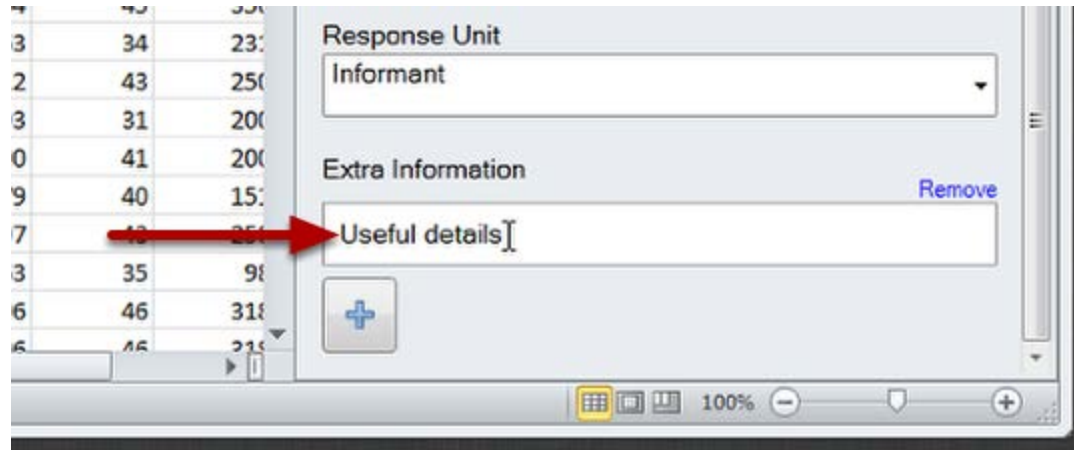
Maximum
100



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- Record custom fields



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□ Document Code Lists

The screenshot shows the Colectica for Excel interface. On the left, a vertical list of numbers (1, 1, 1, 2) is visible. The main area contains a 'Data Type' dropdown menu set to 'Code'. Below this, a text box contains the text 'The participant's gender', which is highlighted with a red rectangle. To the right of this text box are two buttons: 'Update Codes from Data' and 'Use Existing Code List'. Below these elements is a 'Measurement Unit' label and an empty text box.

The screenshot shows an Excel spreadsheet with columns 'Age' and 'Gender'. The 'Code List' dialog box is open, showing a table with 'Value' and 'Label' columns. The table contains the following data:

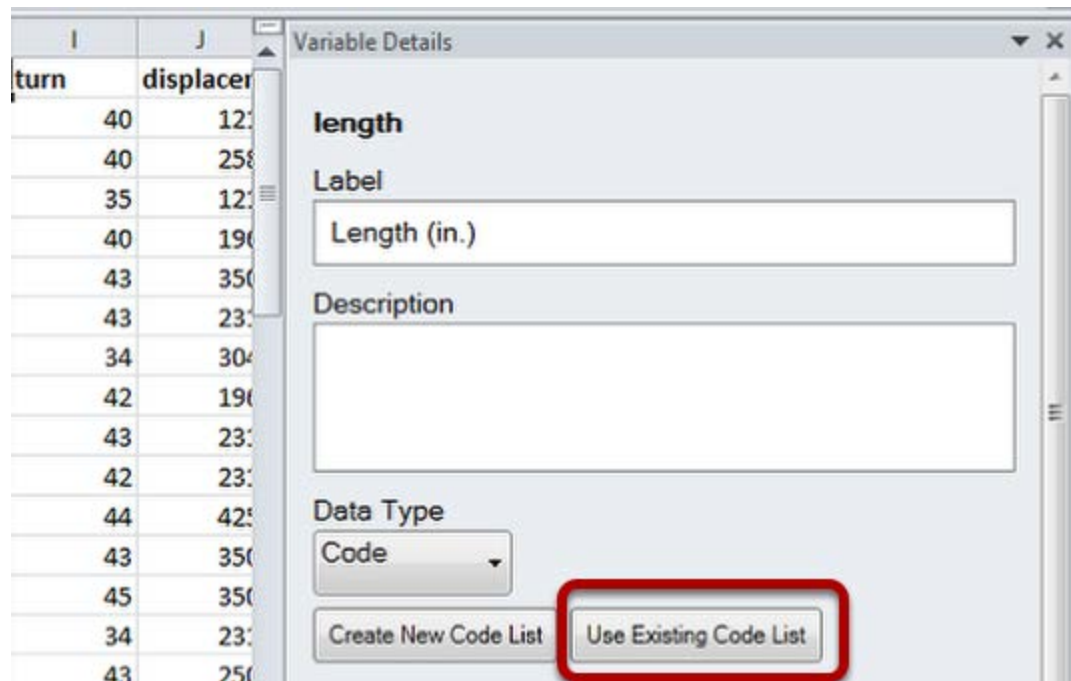
Value	Label
1	Male
2	Female



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□ Reuse a code list



The screenshot shows the 'Variable Details' dialog box for a variable named 'length'. The dialog is open over a spreadsheet with columns 'I' and 'J'. The variable 'length' is selected, and its details are shown in the dialog. The 'Label' field contains 'Length (in.)'. The 'Data Type' is set to 'Code'. At the bottom of the dialog, there are two buttons: 'Create New Code List' and 'Use Existing Code List'. The 'Use Existing Code List' button is highlighted with a red rectangular box.

I	J
turn	displac
40	12
40	25
35	12
40	19
43	35
43	23
34	30
42	19
43	23
42	23
44	42
43	35
45	35
34	23
43	25



Import SPSS and Stata

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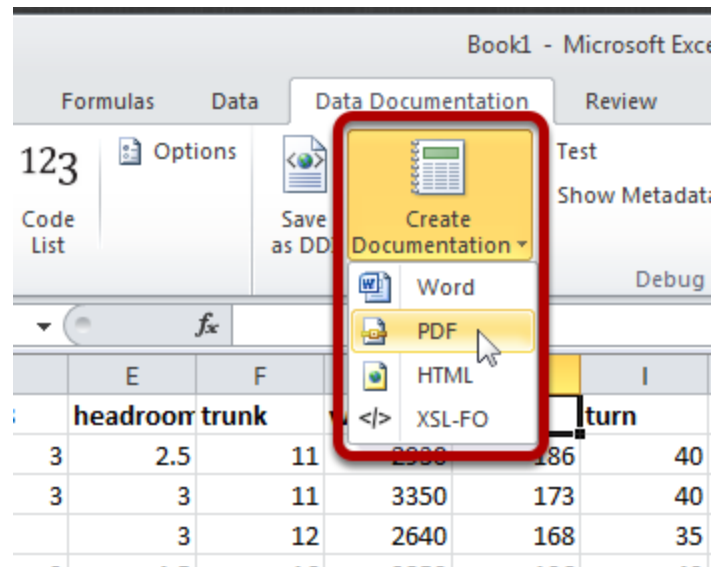
- Import SPSS and Stata
- Save labels and descriptions in DDI-L
- Import Code Lists
 - ▣ Harmonize code lists



Publish Documentation

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- Generate Code books from Excel
 - ▣ PDF, HTML, XSL-FO
- Publish DDI 3.1 XML



Demonstration

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- Demonstration



Colectica for Excel - vNext

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- Available now with Colectica 4.1
- Allow importing already existing code lists and variable descriptions
- Colectica for Excel SDK to allow programmatic generation of documented spreadsheets





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Thank you

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