



# 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 with professional version
  - ▣ Stata and SPSS
- Generate codebook documentation
- Demonstration



# DDI Lifecycle

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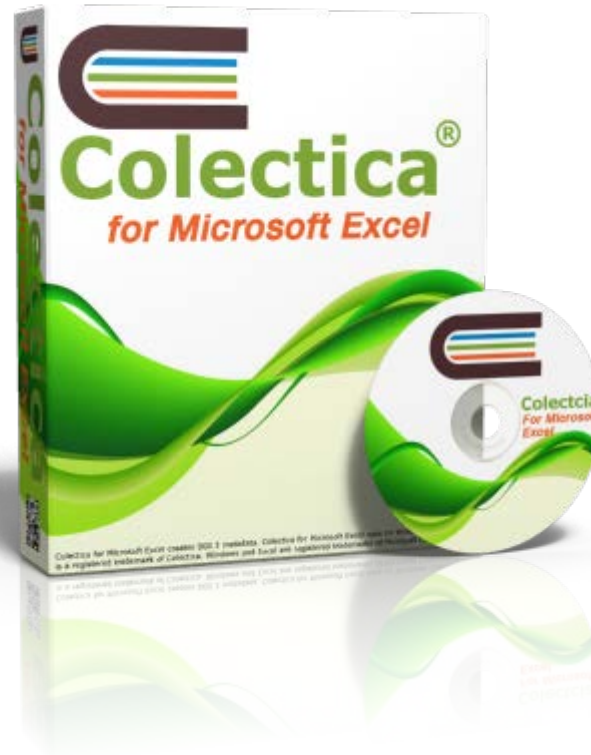
- Uses DDI version 3.2
- In this tool, DDI-L documents and identifies datasets, variables, codelists, and categories
- Enables reuse of metadata through unique identification
  - ▣ Variables can share the same code list
- Records audit trail through versioning



# Colectica for Excel

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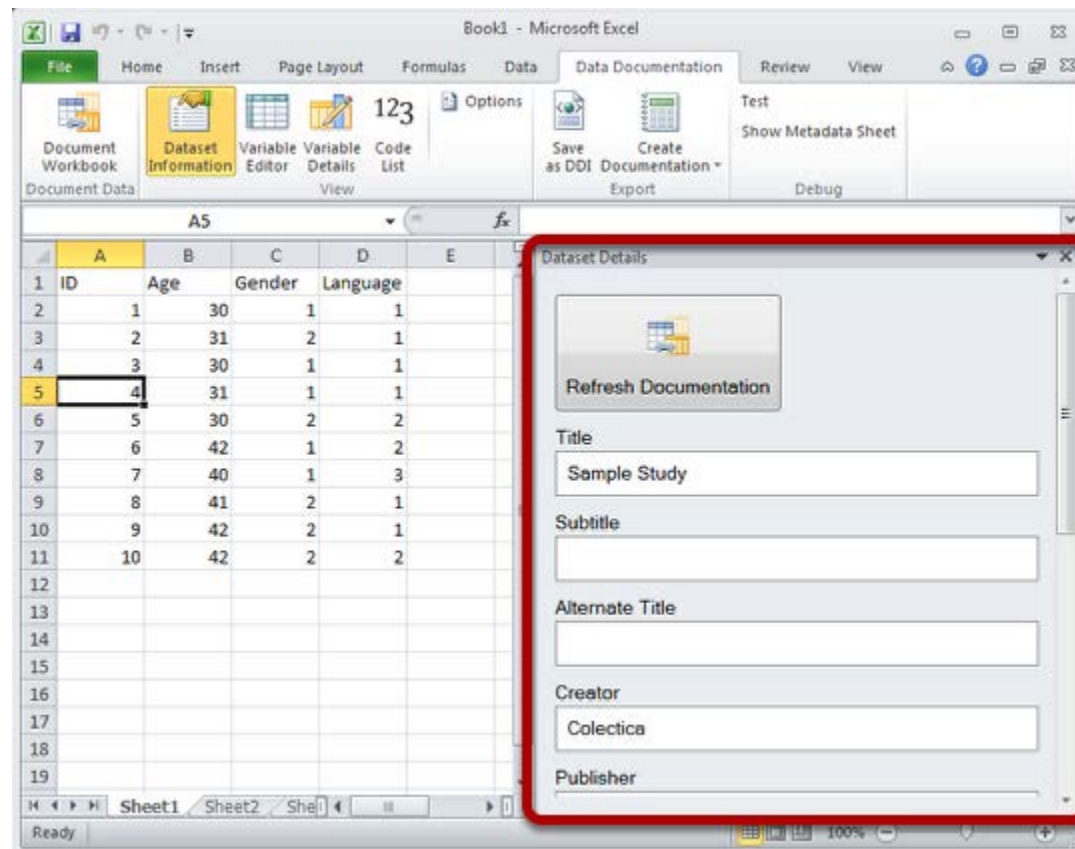
Free



# Colectica for Excel

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## □ Document Datasets



The screenshot shows the Microsoft Excel interface with the 'Data Documentation' ribbon selected. The ribbon includes options like 'Document Workbook', 'Dataset Information', 'Variable Editor', 'Variable Details', and 'Code List'. A 'Dataset Details' dialog box is open on the right, containing a 'Refresh Documentation' button and input fields for 'Title' (Sample Study), 'Subtitle', 'Alternate Title', 'Creator' (Colectica), and 'Publisher'. The background spreadsheet shows a table with columns A-E and rows 1-19.

	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					



# Colectica for Excel

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## □ Document Variables

H	I	J
length	turn	displacem
186	40	12
173	40	25
168	35	12
196	40	19
222	43	35
218	43	23
170	34	30
200	42	19
207	43	23
200	42	23
221	44	42
204	43	35
204	45	35
163	34	23
212	43	25
193	31	20
200	41	20
179	40	15
197	43	25

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

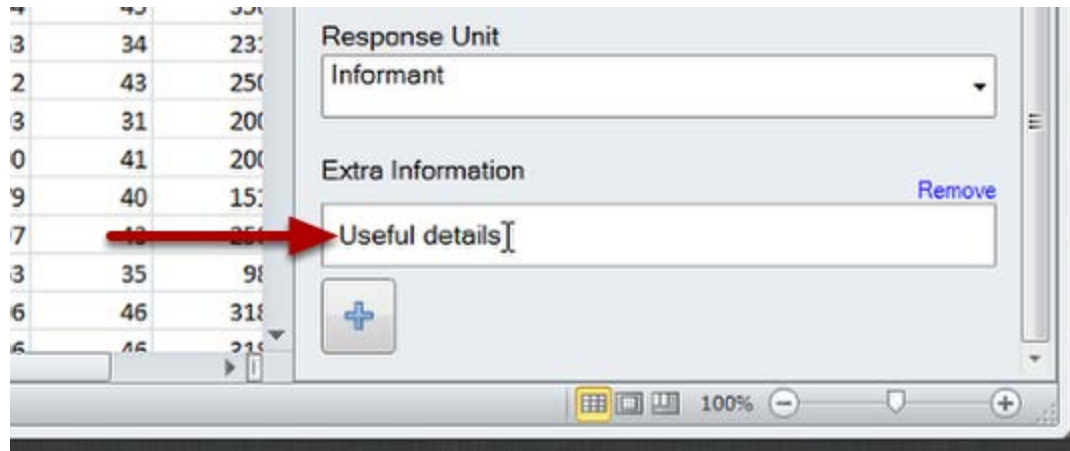
Maximum  
100



# Colectica for Excel

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- Record custom fields



# Colectica for Excel

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## □ Document Code Lists

The screenshot shows the Colectica interface for defining a variable. The 'Data Type' dropdown is set to 'Code'. Below it, a text box contains the label 'The participant's gender', which is highlighted with a red box. To the right of this text box are two buttons: 'Update Codes from Data' and 'Use Existing Code List'. Below the text box is the 'Measurement Unit' field, which is currently empty.

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

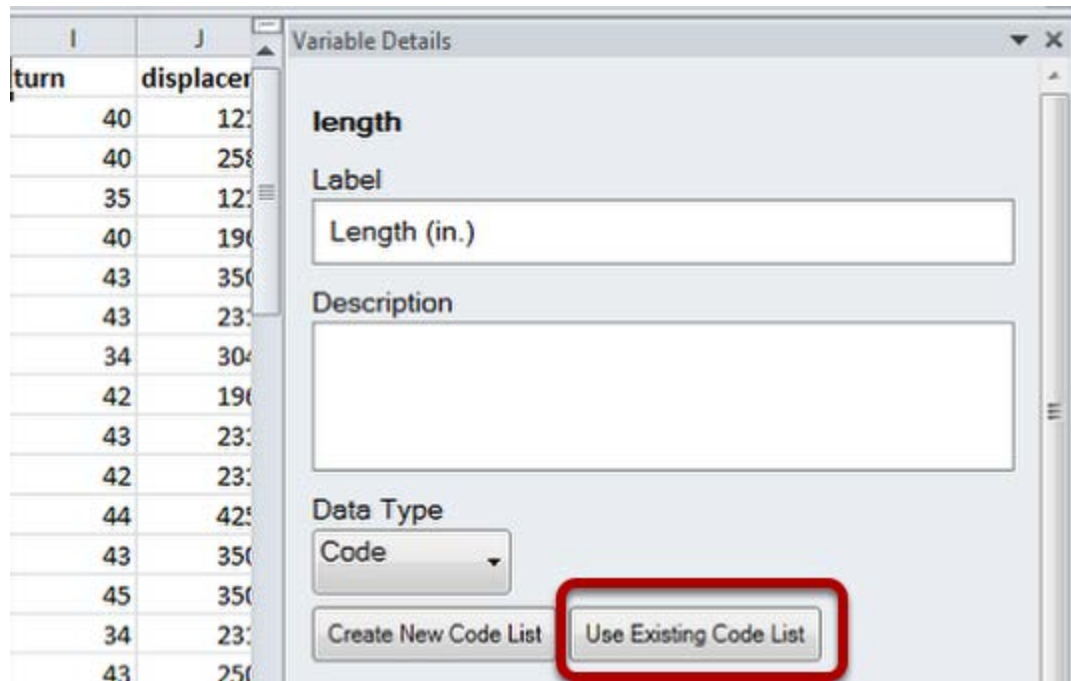




# Colectica for Excel

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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 data table with columns 'I' and 'J'. The variable 'length' is selected, and its properties are displayed:

- length**
- Label**: Length (in.)
- Description**: (empty text box)
- Data Type**: Code
- Buttons**: Create New Code List, Use Existing Code List (highlighted with a red box)

I	J
turn	displacem
40	123
40	258
35	123
40	190
43	350
43	230
34	300
42	190
43	230
42	230
44	420
43	350
45	350
34	230
43	250



# Import SPSS and Stata

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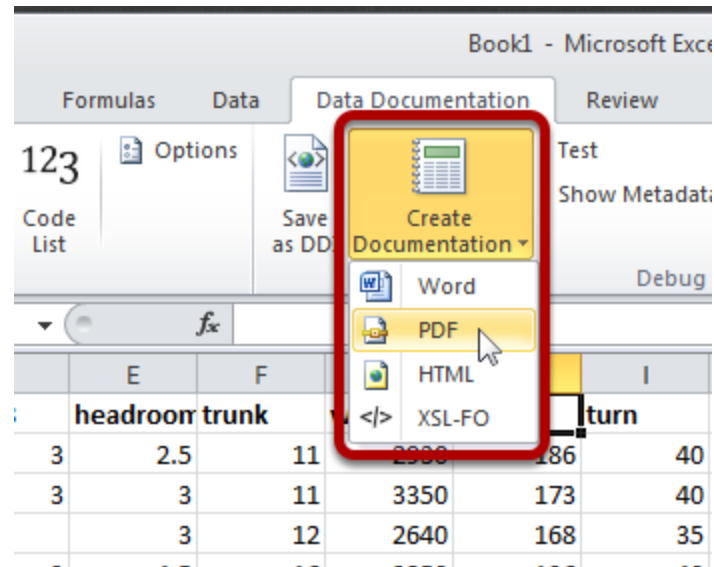
- Available with Professional Version
- Import SPSS and Stata
- Save labels and descriptions in DDI-L
- Import Code Lists
  - ▣ Harmonize code lists



# Publish Documentation

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- Generate Code books from Excel
  - ▣ PDF, HTML, XSL-FO
- Publish DDI 3.2 XML



# Colectica for Excel – What is New

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- DDI 3.2
- Stata versions, now including v13
- SPSS versions, 100% support
- Improved
  - ▣ Storage inside the excel file
  - ▣ Performance
  - ▣ Startup time



# Demonstration

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- Demonstration



# Colectica for Excel - vNext

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- Available now with Colectica 5
- 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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