

# How to load CSV/XLS – files

## 1. Direct loading in sheet

The screenshot shows the Visual-XSel 16 interface. The 'File' menu is open, with 'Open...' highlighted. The file selection dialog shows the path 'C:\Apps\XSel\_16\Examples\' and the file 'Data.csv' selected. The 'File type' dropdown is set to 'CSV (\*.csv)'. The 'Text File' dialog is open, showing options for column separation (Semikolon), header (Data after row 1), data outside sheet size (Cut), and data compression (Read each row). The 'Open in sheet' button is highlighted.

File name: C:\Apps\XSel\_16\Examples\Data.csv

File type: CSV (\*.csv)

Visual-XSel+Excel (\*.vxg, \*.vxt, \*.xls)  
Visual-XSel Sheet (\*.vxt)  
Visual-XSel Program (\*.vxp)  
Excel xls (\*.xls)  
Excel xlsx (\*.xlsx)  
Text/Measuring files ASCII (\*.txt)  
Alle (\*.\*)

Text File

Column Separation

Tabulator  
 Semikolon  
 Space

Header

Data after row: 1

Data outside sheet size

Cut  
 Rows in new sheet  
 Columns in new sheet

Data compression

Read each row  
 Only each 2 row  
 Mean  
 Min/Max  
 Leaving out rows, if column

from each rows: 2

only for continuously values

Open in sheet

2	15,215				
3	15,21				
4	15,21				
5	15,18				
6	15,235				
7	15,2				
8	15,24				
9	15,24				
10	15,245				
11	15,22				
12	15,24				
13	15,195				
14	15,145				

Preview for selected columns in part of data

Define first column as X-axis

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## 2. Loading data for special statistical analyses in templates

Templates are using macros to analyse data. Normally the data transfer is via clipboard. Customized data import is possible by using a matrix import function.

The screenshot displays the Visual-XSel 16.0 interface. On the left, a data table is visible with columns A, B, C, and D. The data in column A is as follows:

	A	B	C	D
1	Diameter			
2	15,215			
3	15,21			
4	15,21			
5	15,18			
6	15,235			
7	15,2			
8	15,24			
9	15,24			
10	15,245			
11	15,22			
12	15,24			
13	15,195			
14	15,145			
15	15,23			
16	15,225			
17	15,22			
18	15,24			

On the right, a macro flowchart titled 'MainProgram' is shown. The flow starts at 'Start', followed by a process box 'LoadMatrixDialog( Source; Abort )' which is highlighted with a red box and a blue arrow. This leads to a decision diamond 'Abort == TRUE'. The 'True' path leads to the right, and the 'False' path leads down to a process box 'DataAnalysis( .... )'. A red dotted arrow points from the 'DataAnalysis' box back to the data table in the spreadsheet.

After the import the data can be transferred into other sheets in the expected cells. The function **DataAnalysis** is an example how to go further with the evaluation.

So every customized data structur can be implemented.