

# ADAMS

Advanced **D**ata mining **A**nd **M**achine learning **S**ystem

Module: adams-odf



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# Contents

<b>1</b>	<b>Introduction</b>	<b>7</b>
<b>2</b>	<b>Flow</b>	<b>9</b>
<b>3</b>	<b>Tools</b>	<b>11</b>
	<b>Bibliography</b>	<b>13</b>



# List of Figures

2.1	Flow for loading multiple sheets of a ODF file. . . . .	9
2.2	The worksheets loaded from the ODF file. . . . .	10
3.1	Viewer for spreadsheet files. . . . .	11



# Chapter 1

## Introduction

The *odf* module extends the spreadsheet capabilities of ADAMS by read and write support for OpenDocument files [2]. This is possible thanks to the jOpenDocument library [3] for reading ODF files.





## Chapter 2

# Flow

The additional read and write support is immediately available in the *SpreadSheetReader* and *SpreadSheetWriter* actors. Figures 2.1 and 2.2 display a flow<sup>1</sup> and its associated output that loads multiple sheets from a ODF file.

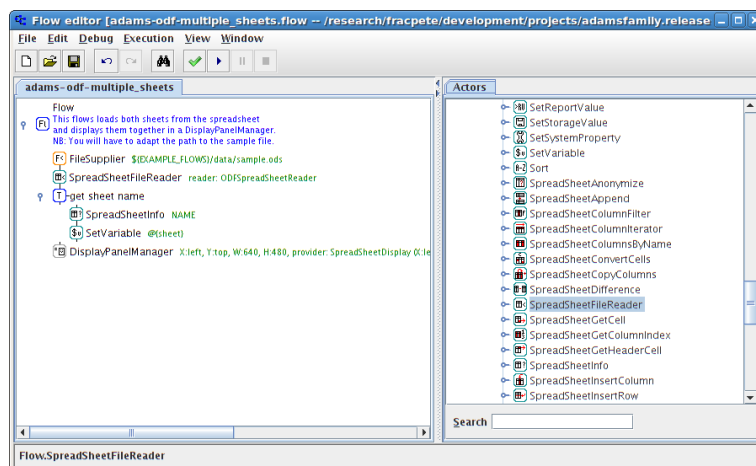


Figure 2.1: Flow for loading multiple sheets of a ODF file.

<sup>1</sup>adams-odf-multiple\_sheets.flow

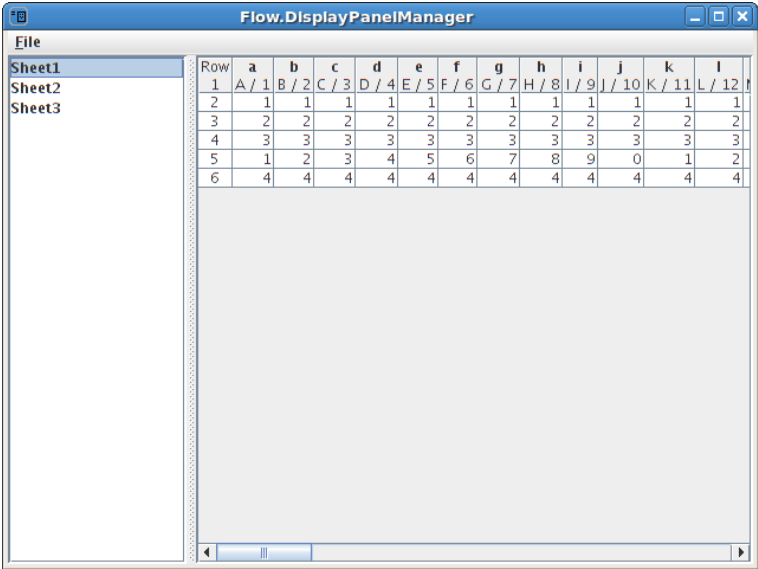


Figure 2.2: The worksheets loaded from the ODF file.

## Chapter 3

# Tools

The *Spreadsheet file viewer* automatically picks up the new file format and allows the user to load ODF files. Figure 3.1 shows a screenshot of the viewer with an ODF spreadsheet file loaded.

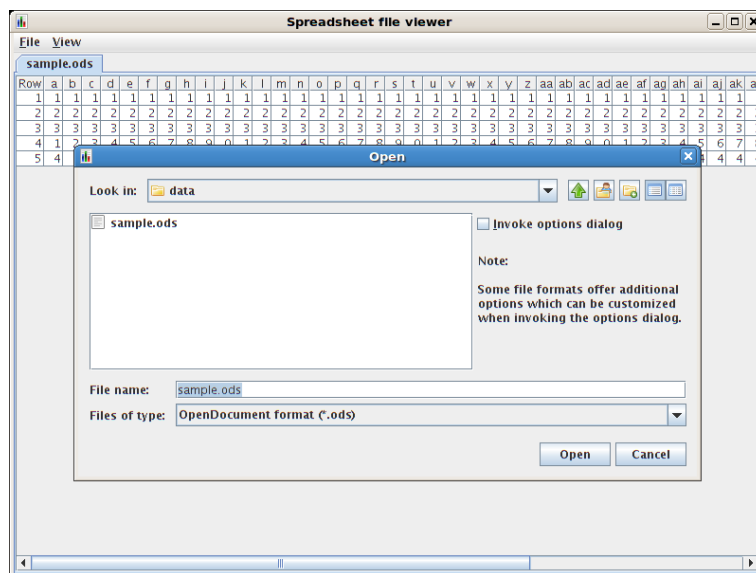


Figure 3.1: Viewer for spreadsheet files.



# Bibliography

- [1] *ADAMS* – Advanced Data mining and Machine learning System  
<https://adams.cms.waikato.ac.nz/>
- [2] *ODF* – Open Document Format  
<http://en.wikipedia.org/wiki/Odf>
- [3] *jOpenDocument* – A pure Java library for OASIS Open Document files manipulation  
<http://www.jopendocument.org/>