ADAMS

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

Module: adams-odf

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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[1] and its associated output that loads multiple sheets from a ODF file.

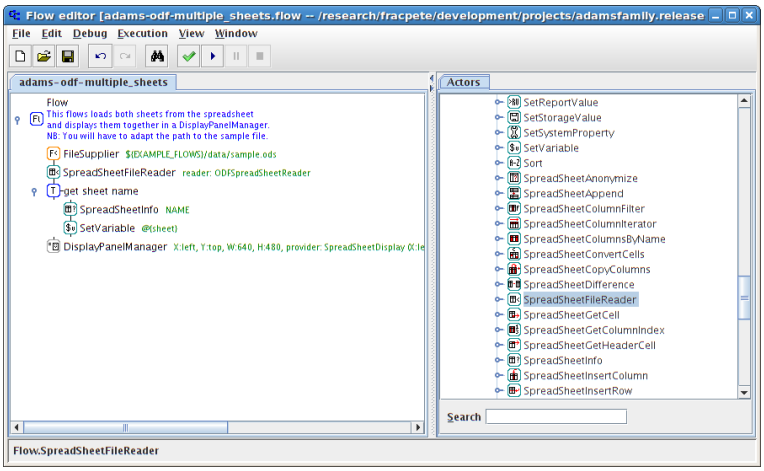

Figure 2.1: Flow for loading multiple sheets of a ODF file.

[1] adams-odf-multiple_sheets.flow

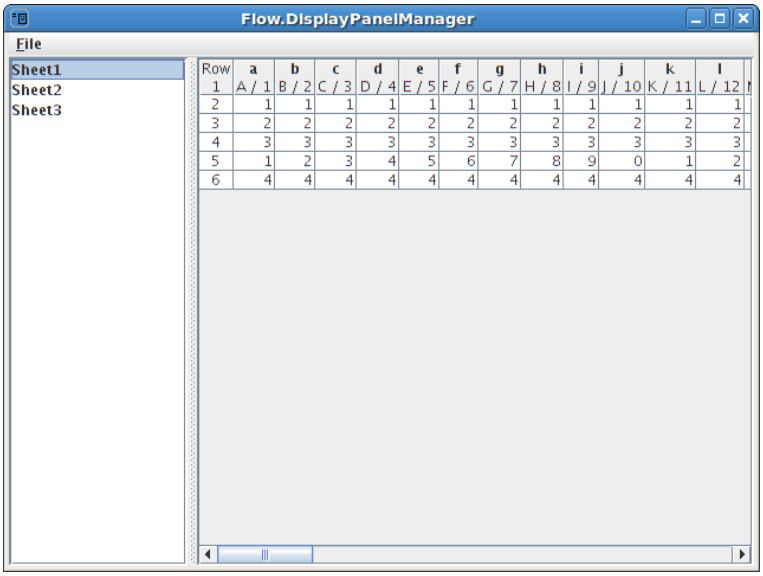

Figure 2.2: The worksheets loaded from the ODF file.

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.

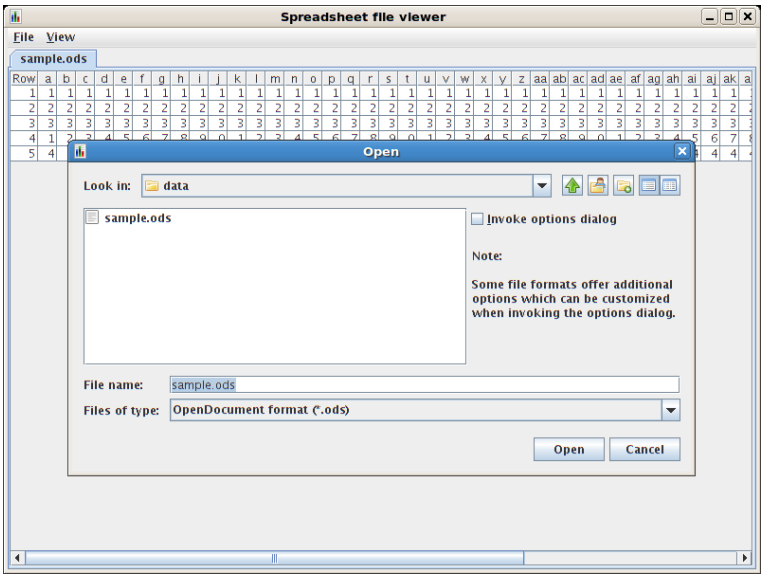

Figure 3.1: Viewer for spreadsheet files.

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/`