

The xlrd Module

A Python module for extracting data from MS Excel™ spreadsheet files.

Version 0.7.3 – February/March 2012

General information

Acknowledgements

Development of this module would not have been possible without the document "OpenOffice.org's Documentation of the Microsoft Excel File Format" ("OOo docs" for short). The latest version is available from OpenOffice.org in [PDF format](#) and [ODT format](#). Small portions of the OOo docs are reproduced in this document. A study of the OOo docs is recommended for those who wish a deeper understanding of the Excel file layout than the xlrd docs can provide.

Backporting to Python 2.1 was partially funded by [SourceX](#), provider of timesheet and project accounting solutions.

Provision of formatting information in version 0.6.1 was funded by [Symptara Ltd](#).

Unicode

This module presents all text strings as Python unicode objects. From Excel 97 onwards, text in Excel spreadsheets has been stored as Unicode. Older files (Excel 95 and earlier) don't keep strings in Unicode: a CODEPAGE record provides a codepage number (for example, 1252) which is used by xlrd to derive the encoding (for same example: "cp1252") which is used to translate to Unicode.

If the CODEPAGE record is missing (possible if the file was created by third-party software), xlrd will assume that the encoding is ascii, and keep going. If the actual encoding is not ascii, a UnicodeDecodeError exception will be raised and you will need to determine the encoding yourself, and tell xlrd.

```
book = xlrd.open_workbook(..., encoding_override="cp1252")
```

If the CODEPAGE record exists but is wrong (for example, the codepage number is 1271, but the strings are actually encoded in latin_1), it can be overridden using the same mechanism. The supplied encoded gy has a corresponding command-line argument, which may be used for experimentation:

```
encoded.py --latin-1 book.ods file.xls
```

Xlrd Read The Docs

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