

*Simplistix*

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# **Excel & Python**

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# xlrd

- <http://www.lexicon.net/sjmachin/xlrd.htm>

```
import xlrd
book = xlrd.open_workbook("myfile.xls")
print "The number of worksheets is", book.nsheets
print "Worksheet name(s):", book.sheet_names()
sh = book.sheet_by_index(0)
print sh.name, sh.nrows, sh.ncols
print "Cell D30 is", sh.cell_value(rowx=29, colx=3)
for rx in range(sh.nrows):
    print sh.row(rx)
```

# xlrd

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- full support for Excel 3.0-2003
- support for Excel 2007 is on the way
- supports formatting information
- doesn't support charting or graphics
- doesn't handle formulae

(you can probably fund these to be added!)

# xlwt

- <https://secure.simplistix.co.uk/svn/xlwt/trunk/README.html>

```
import xlwt
from datetime import datetime

font0 = xlwt.Font()
font0.name = 'Times New Roman'
font0.colour_index = 2
font0.bold = True

style0 = xlwt.XFStyle()
style0.font = font0

style1 = xlwt.XFStyle()
style1.num_format_str = 'D-MMM-YY'
```

```
wb = xlwt.Workbook()
ws = wb.add_sheet('A Test Sheet')

ws.write(0, 0, 'Test', style0)
ws.write(1, 0, datetime.now(), style1)
ws.write(2, 1, 1)
ws.write(2, 2, xlwt.Formula("A3+B3"))

wb.save('example.xls')
```

# xlwt

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- full support for generation Excel files
- supports formatting information
- handles formulae
- doesn't support charting or graphics
- doesn't support Excel 2007

(you can probably fund these to be added!)

# The Google Group

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- <http://groups.google.com/group/python-excel>
- Subscribe with mail to:  
python-excel-subscribe@googlegroups.com

# How to find them?

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- Google and follow the top link...
- xlrd
  - “xlrd”
- xlwt
  - “xlwt readme”
- python excel group
  - “python excel group”