

Simplistix

Python and Excel

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What do people do?

- CSV?
- HTML hack?!
- COM?

- NO!

Reading

- xlrld

```
import xlrld

book = xlrld.open_workbook("myfile.xls")

print "The number of worksheets is", book.nworksheets
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)
```

Writing

- DO NOT USE PYEXCELERATOR
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Writing

**PLEASE
DO NOT USE
PYEXCELERATOR!**

Writing

- xlwt

```
import xlwt
from datetime import datetime

style0 = xlwt.easyxf(
    'font: name Times New Roman, colour red, bold on'
)
style1 = xlwt.easyxf('', 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')
```

Modifying

- `xlutils.copy`

```
from xlrd import open_workbook
from xlutils.copy import copy

rb = open_workbook('source.xls', formatting_info=True)
wb = copy(rb)

ws = wb.get_sheet(0)
ws.write(0,0, "I'm only changing cell A1")

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

Where can I find these?

- <http://pypi.python.org/pypi/xlrd>
 - google for “xlrd”
- <http://pypi.python.org/pypi/xlwt>
 - google for “xlwt”
- <http://pypi.python.org/pypi/xlutils>
 - google for “xlutils”
- <http://groups.google.com/group/python-excel>
 - google for “python excel group”