

Examples

Create excel charts with xlswriter

```
import xlswriter

# sample data
chart_data = [
    {'name': 'Lorem', 'value': 23},
    {'name': 'Ipsum', 'value': 48},
    {'name': 'Dolor', 'value': 15},
    {'name': 'Sit', 'value': 8},
    {'name': 'Amet', 'value': 32}
]

# excel file path
xls_file = 'chart.xlsx'

# the workbook
workbook = xlswriter.Workbook(xls_file)

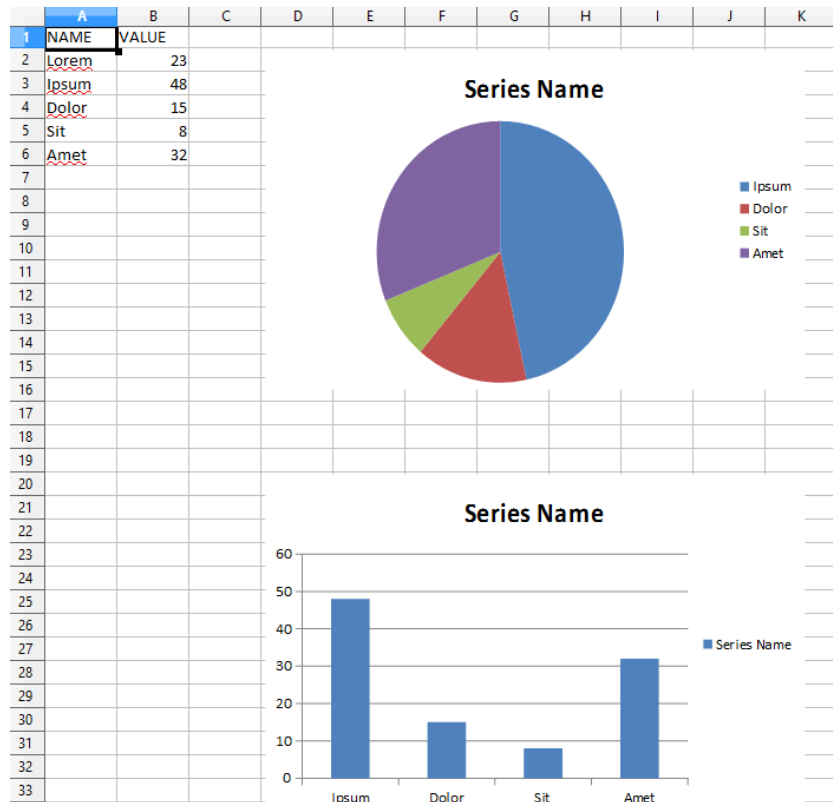
# add worksheet to workbook
worksheet = workbook.add_worksheet()

row_ = 0
col_ = 0

# write headers
worksheet.write(row_, col_, 'NAME')
col_ += 1
worksheet.write(row_, col_, 'VALUE')
row_ += 1

# write sample data
for item in chart_data:
    col_ = 0
    worksheet.write(row_, col_, item['name'])
    col_ += 1
    worksheet.write(row_, col_, item['value'])
    row_ += 1
```

Result:




```

# Print the titles into Excel Workbook:
row = 1
sheet['A'+str(row)] = 'Date'
sheet['B'+str(row)] = 'Hour'
sheet['C'+str(row)] = 'Value'

# Populate with data
for item in list_values:
    row += 1
    sheet['A'+str(row)] = item[0]
    sheet['B'+str(row)] = item[1]
    sheet['C'+str(row)] = item[2]

# Save a file by date:
filename = 'data_' + dt.strftime("%Y%m%d_%I%M%S") + '.xlsx'
wb.save(filename)

# Open the file for the user:
os.chdir(sys.path[0])
os.system('start excel.exe "%s\\%s"' % (sys.path[0], filename, ))

```

Read the excel data using xlrd module

Python xlrd library is to extract data from Microsoft Excel (tm) spreadsheet files.

Installation:-

```
pip install xlrd
```

Or you can use setup.py file from pypi

<https://pypi.python.org/pypi/xlrd>

Reading an excel sheet:- Import xlrd module and open excel file using open_workbook() method.

```
import xlrd
book=xlrd.open_workbook('sample.xlsx')
```

Check number of sheets in the excel

```
print book.nsheets
```

Print the sheet names

```
print book.sheet_names()
```

Get the sheet based on index

```
sheet=book.sheet_by_index(1)
```

Read the contents of a cell

```
cell = sheet.cell(row,col) #where row=row number and col=column number
print cell.value #to print the cell contents
```

Get number of rows and number of columns in an excel sheet

```
num_rows=sheet.nrows
num_col=sheet.ncols
```

Get excel sheet by name

```
sheets = book.sheet_names()
cur_sheet = book.sheet_by_name(sheets[0])
```

Syntax

Parameters

