



AniPython

openpyxl

设置 excel 格式



# openpyxl 格式相关的类

```
from openpyxl.styles import (  
    Font,                # 字体  
    PatternFill,         # 颜色填充  
    GradientFill,        # 渐变填充  
    Border,              # 边框  
    Side,                # 边  
    Alignment,           # 对齐  
    Protection           # 保护  
)
```



# 设置字体格式

```
from openpyxl.styles import Font
```

```
font = Font(
```

```
    name='Arial',           # 字体名称
```

```
    size=16,                 # 字体大小
```

```
    bold=False,              # 是否黑体
```

```
    italic=False,            # 是否斜体
```

```
    underline=None,          # 下划线
```

```
    color='FF0000'           # 颜色
```

```
)
```

```
ws['A1'].font = font
```



```
# 设置填充
```

```
from openpyxl.styles import (  
    PatternFill, # 颜色填充  
    GradientFill, # 渐变填充  
)
```

```
ws['A1'].fill = PatternFill(  
    patternType='solid',  
    fgColor="F6416C")
```

```
ws['B1'].fill = GradientFill(  
    degree=90,  
    stop=('FFF6B7', 'F6416C'))
```



```
# 设置边框
from openpyxl.styles import (
    Border,    # 边框
    Side,      # 边
)

side = Side(border_style='medium',
             color='FF0000')

ws['A1'].border = Border(
    top=side,
    bottom=side,
    left=side,
    right=side
)
```



```
# 设置对齐
```

```
from openpyxl.styles import (  
    Alignment, # 对齐  
)
```

```
ws['A1'].alignment = Alignment(  
    horizontal='center',  
    vertical='bottom',  
    wrap_text=True  
)
```



# 设置 列宽 和 行高

```
ws.column_dimensions['B'].width = 20  
ws.row_dimensions[2].height = 60
```



# 内置样式

## Number formats

- 'Comma'
- 'Comma [0]'
- 'Currency'
- 'Currency [0]'
- 'Percent'

12,345.00
12,345
12,345.00 \$
12,345 \$
12%

基本使用: `ws['A1'].style = 'Comma'`



# 内置样式

## Informative

- ‘Calculation’
- ‘Total’
- ‘Note’
- ‘Warning Text’
- ‘Explanatory Text’

**Calculation**

**Total**

Note

**Warning Text**

*Explanatory Text*



# 内置样式

## Text styles

- ‘Title’
- ‘Headline 1’
- ‘Headline 2’
- ‘Headline 3’
- ‘Headline 4’
- ‘Hyperlink’
- ‘Followed Hyperlink’
- ‘Linked Cell’

Title

Headline 1

Headline 2

Headline 3

Headline 4

Hyperlink

Followed Hyperlink

Linked Cell



# 内置样式

## Comparisons

- 'Input'
- 'Output'
- 'Check Cell'
- 'Good'
- 'Bad'
- 'Neutral'

Input
Output
Check Cell
Good
Bad
Neutral



# 内置样式

## Highlights

### Accent

Accent1	Accent2	Accent3	Accent4	Accent5	Accent6
60 % - Accent1	60 % - Accent2	60 % - Accent3	60 % - Accent4	60 % - Accent5	60 % - Accent6
40 % - Accent1	40 % - Accent2	40 % - Accent3	40 % - Accent4	40 % - Accent5	40 % - Accent6
20 % - Accent1	20 % - Accent2	20 % - Accent3	20 % - Accent4	20 % - Accent5	20 % - Accent6

**Pandas**