



链滴

# 导出 excel 多 sheet 且有跨列及背景色样式

作者: [Stone](#)

原文链接: <https://ld246.com/article/1571734273502>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

引入依赖包，代码可直接运行main方法看效果。希望能帮到你

```
import org.apache.poi.hssf.usermodel.HSSFRichTextString;
import org.apache.poi.hssf.usermodel.HSSFSheet;
import org.apache.poi.hssf.usermodel.HSSFWorkbook;
import org.apache.poi.ss.usermodel.*;
import org.apache.poi.ss.util.CellRangeAddress;

import java.io.FileOutputStream;
import java.io.OutputStream;
import java.util.ArrayList;
import java.util.List;

/**
 * 导出excel多sheet且有跨列及背景色样式
 *
 * @author Stone
 */
public class ExportExcelUtil {

    /**
     * 导出多sheet格式的excel
     *
     * @param fileSavePath 导出文件保存路径
     * @param workbook 工作簿对象
     * @param sheetIndex sheet位置, 0表示第一个表格中的第一个sheet
     * @param sheetName sheet名称
     * @param sheetTitle sheet标题
     * @param headers sheet各列标题头
     * @param data sheet数据集
     * @param weekbottomsW sheet底部合计行 (外部)
     * @param weekbottomsN sheet底部合计行 (内部)
     */
    public void exportExcel(String fileSavePath, HSSFWorkbook workbook, int sheetIndex, String
sheetName, String sheetTitle, String[] headers, List<List<String>> data, String[] weekbottom
W, String[] weekbottomsN) {
        try {
            //创建工作簿
            HSSFSheet sheet = workbook.createSheet();
            //设置sheet位置及名称
            workbook.setSheetName(sheetIndex, sheetName);
            //设置工作簿默认列宽度, 单位: 字节
            sheet.setDefaultColumnWidth((short) 23);
            //创建sheet页公共标题行及样式
            Row rowTitle = sheet.createRow(0);
            //标题字体
            Font fontTitle = workbook.createFont();
            //字体字号
            fontTitle.setFontHeightInPoints((short) 11);
            //是否加粗
            fontTitle.setBold(true);
            //标题样式
            CellStyle styleTitle = workbook.createCellStyle();
            styleTitle.setBorderBottom(BorderStyle.THIN);
```

```

styleTitle.setBorderLeft(BorderStyle.THIN);
styleTitle.setBorderRight(BorderStyle.THIN);
styleTitle.setBorderTop(BorderStyle.THIN);
styleTitle.setAlignment(HorizontalAlignment.CENTER);
styleTitle.setFont(fontTitle);
//标题所在行号0标识当前sheet页第1行
Cell cellTitle = rowTitle.createCell(0);
//应用样式
cellTitle.setCellStyle(styleTitle);
//标题行跨列设置
sheet.addMergedRegion(new CellRangeAddress(0, 0, 0, headers.length - 1));
cellTitle.setCellValue(sheetTitle);

//创建表格各列标题行
Row rowHeade = sheet.createRow(1);
for (int i = 0; i < headers.length; i++) {
    Cell cellHeader = rowHeade.createCell((short) i);
    cellHeader.setCellStyle(styleTitle);
    HSSFRichTextString text = new HSSFRichTextString(headers[i]);
    cellHeader.setCellValue(text.toString());
}

//遍历数据集合, 创建数据行
if (data != null) {
    //从第3行开始写入数据行
    int index = 2;

    //临时列内容, 用于判断背景色是否应发生变化
    String code = "";
    //是否设置背景色
    boolean isColor = true;

    for (List<String> sheetData : data) {
        //创建数据行
        Row rowData = sheet.createRow(index);

        String entName = sheetData.get(0);
        if (StringUtil.isNotEmpty(code) && !entName.equals(code)){
            if(isColor){
                isColor= false;
            }else{
                isColor= true;
            }
        }
        code = entName;

        //从第1列开始写入数据列
        int cellIndex = 0;
        for (String sd : sheetData) {
            Cell cellData = rowData.createCell((short) cellIndex);
            if(isColor){
                cellData.setCellStyle(getCellStyleBlue(workbook));
            }else{
                cellData.setCellStyle(getCellStyleWhite(workbook));
            }
        }
    }
}

```

```

        }
        cellData.setCellValue(sd.toString());
        cellIndex++;
    }
    index++;
}

//创建表格底部计算行（外部）
Row bottomsW = sheet.createRow(data.size() + 2);
Cell cellBottom = null;
for (int i = 0; i < weekbottomsW.length; i++) {
    cellBottom = bottomsW.createCell((short) i);
    cellBottom.setCellStyle(styleTitle);
    HSSFRichTextString text = new HSSFRichTextString(weekbottomsW[i]);
    if (i == 0) {
        sheet.addMergedRegion(new CellRangeAddress(data.size() + 2, data.size() + 2, 0,
1));
    }
    cellBottom.setCellValue(text.toString());
}
//创建表格底部计算行（内部）
Row bottomsN = sheet.createRow(data.size() + 3);
for (int i = 0; i < weekbottomsN.length; i++) {
    cellBottom = bottomsN.createCell((short) i);
    cellBottom.setCellStyle(styleTitle);
    HSSFRichTextString text = new HSSFRichTextString(weekbottomsN[i]);
    if (i == 0) {
        sheet.addMergedRegion(new CellRangeAddress(data.size() + 3, data.size() + 3, 0,
1));
    }
    cellBottom.setCellValue(text.toString());
}

//初始化文件流对象
OutputStream file = new FileOutputStream(fileSavePath);
//将数据写入工作簿
workbook.write(file);
//关闭文件流
file.close();
} catch (Exception e) {
    e.printStackTrace();
}
}

public CellStyle getCellStyleBlue (HSSFWorkbook workbook){
    //数据行字体设置
    Font fontData = workbook.createFont();
    fontData.setFontHeightInPoints((short) 11);
    //数据行样式设置
    CellStyle cellStyle = workbook.createCellStyle();
    //背景色
    cellStyle.setFillPattern(FillPatternType.SOLID_FOREGROUND);
    cellStyle.setBorderBottom(BorderStyle.THIN);
}

```

```

        cellStyle.setBorderLeft(BorderStyle.THIN);
        cellStyle.setBorderRight(BorderStyle.THIN);
        cellStyle.setBorderTop(BorderStyle.THIN);
        cellStyle.setAlignment(HorizontalAlignment.CENTER);
        cellStyle.setFont(fontData);
        //设置背景色为浅蓝色
        cellStyle.setFillForegroundColor(IndexedColors.LIGHT_CORNFLOWER_BLUE.getIndex());
        return cellStyle;
    }

    public CellStyle getCellStyleWhite (HSSFWorkbook workbook){
        //数据行字体设置
        Font fontData = workbook.createFont();
        fontData.setFontHeightInPoints((short) 11);
        //数据行样式设置
        CellStyle cellStyle = workbook.createCellStyle();
        //背景色
        cellStyle.setFillPattern(FillPatternType.SOLID_FOREGROUND);
        cellStyle.setBorderBottom(BorderStyle.THIN);
        cellStyle.setBorderLeft(BorderStyle.THIN);
        cellStyle.setBorderRight(BorderStyle.THIN);
        cellStyle.setBorderTop(BorderStyle.THIN);
        cellStyle.setAlignment(HorizontalAlignment.CENTER);
        cellStyle.setFont(fontData);
        cellStyle.setFillForegroundColor(IndexedColors.WHITE1.getIndex());
        return cellStyle;
    }

    public static void main(String[] args) {
        try {
            //导出文件名
            String fileName = new StringBuilder("导出Excel文件名").append(".xls").toString();
            List<List<String>> weekSheet1Data = new ArrayList<List<String>> ();
            String weekSheet1bottomsWSumA = "-";
            String weekSheet1bottomsWSumB = "-";
            String weekSheet1bottomsWSumC = "-";
            String weekSheet1bottomsNSumA = "-";
            String weekSheet1bottomsNSumB = "-";
            String weekSheet1bottomsNSumC = "-";
            String[] weekSheet1bottomsW = {"合计 (外部) ", "", weekSheet1bottomsWSumA, weekSheet1bottomsWSumB, weekSheet1bottomsWSumC};
            String[] weekSheet1bottomsN = {"合计 (内部) ", "", weekSheet1bottomsNSumA, weekSheet1bottomsNSumB, weekSheet1bottomsNSumC};
            List<List<String>> weekSheet2Data = new ArrayList<List<String>> ();
            String weekSheet2bottomsWSumA = "-";
            String weekSheet2bottomsWSumB = "-";
            String weekSheet2bottomsWSumC = "-";
            String weekSheet2bottomsNSumA = "-";
            String weekSheet2bottomsNSumB = "-";
            String weekSheet2bottomsNSumC = "-";
            String[] weekSheet2bottomsW = {"合计 (外部) ", "", weekSheet2bottomsWSumA, weekSheet2bottomsWSumB, weekSheet2bottomsWSumC};
            String[] weekSheet2bottomsN = {"合计 (内部) ", "", weekSheet2bottomsNSumA, weekSheet2bottomsNSumB, weekSheet2bottomsNSumC};
        }
    }
}

```

```

List<List<String>> weekSheet3Data = new ArrayList<List<String>> ();
String weekSheet3bottomsWSumA = "-";
String weekSheet3bottomsWSumB = "-";
String weekSheet3bottomsWSumC = "-";
String weekSheet3bottomsNSumA = "-";
String weekSheet3bottomsNSumB = "-";
String weekSheet3bottomsNSumC = "-";
String[] weekSheet3bottomsW = {"合计 (外部) ", "", weekSheet3bottomsWSumA, weekSheet3bottomsWSumB, weekSheet3bottomsWSumC};
String[] weekSheet3bottomsN = {"合计 (内部) ", "", weekSheet3bottomsNSumA, weekSheet3bottomsNSumB, weekSheet3bottomsNSumC};

```

```

List rowData1 = new ArrayList<Object> () {{
    this.add("北京市");
    this.add("某公司");
    this.add("1234");
    this.add("567");
    this.add("89");
}};

```

```

List rowData2 = new ArrayList<Object> () {{
    this.add("北京市");
    this.add("某某公司");
    this.add("2334");
    this.add("677");
    this.add("90");
}};

```

```

List rowData3 = new ArrayList<Object> () {{
    this.add("河北省");
    this.add("X公司");
    this.add("8934");
    this.add("547");
    this.add("69");
}};

```

```

List rowData4 = new ArrayList<Object> () {{
    this.add("河北省");
    this.add("XX公司");
    this.add("3934");
    this.add("647");
    this.add("93");
}};

```

```

List rowData5 = new ArrayList<Object> () {{
    this.add("山东省");
    this.add("公司名称");
    this.add("5234");
    this.add("787");
    this.add("83");
}};

```

```

List rowData6 = new ArrayList<Object> () {{
    this.add("陕西省");
    this.add("公司公司");
    this.add("9034");
    this.add("737");
    this.add("59");
}};

```

```
List rowData7 = new ArrayList<Object>() {{
    this.add("陕西省");
    this.add("某有限公司");
    this.add("8834");
    this.add("667");
    this.add("73");
}};
List rowData8 = new ArrayList<Object>() {{
    this.add("青海省");
    this.add("0.0有限责任公司");
    this.add("7634");
    this.add("337");
    this.add("82");
}};
List rowData9 = new ArrayList<Object>() {{
    this.add("青海省");
    this.add("青海X有限责任公司");
    this.add("6334");
    this.add("737");
    this.add("66");
}};
```

```
weekSheet1Data.add(rowData1);
weekSheet1Data.add(rowData2);
weekSheet1Data.add(rowData3);
weekSheet1Data.add(rowData4);
weekSheet1Data.add(rowData5);
weekSheet1Data.add(rowData6);
weekSheet1Data.add(rowData7);
weekSheet1Data.add(rowData8);
weekSheet1Data.add(rowData9);
```

```
weekSheet2Data.add(rowData1);
weekSheet2Data.add(rowData2);
weekSheet2Data.add(rowData3);
weekSheet2Data.add(rowData4);
weekSheet2Data.add(rowData5);
weekSheet2Data.add(rowData6);
weekSheet2Data.add(rowData7);
weekSheet2Data.add(rowData8);
weekSheet2Data.add(rowData9);
```

```
weekSheet3Data.add(rowData1);
weekSheet3Data.add(rowData2);
weekSheet3Data.add(rowData3);
weekSheet3Data.add(rowData4);
weekSheet3Data.add(rowData5);
weekSheet3Data.add(rowData6);
weekSheet3Data.add(rowData7);
weekSheet3Data.add(rowData8);
weekSheet3Data.add(rowData9);
```

```
//导出文件保存路径
```

```
String fileSavePath = new StringBuilder("D:\\").append(fileName).toString();
//工作簿标题头, 假如有5列
String[] weekHeaders = {"省", "公司", "Num1", "Num2", "Num3"};

ExportExcelUtil util = new ExportExcelUtil();
HSSFWorkbook workbook = new HSSFWorkbook();
//假如需要写入三个Sheet工作簿
util.exportExcel(fileSavePath, workbook, 0, "一区", "统计", weekHeaders, weekSheet1Data, weekSheet1bottomsW, weekSheet1bottomsN);
util.exportExcel(fileSavePath, workbook, 1, "二区", "统计", weekHeaders, weekSheet2Data, weekSheet2bottomsW, weekSheet2bottomsN);
util.exportExcel(fileSavePath, workbook, 2, "三区", "统计", weekHeaders, weekSheet3Data, weekSheet3bottomsW, weekSheet3bottomsN);
} catch (Exception e) {
    e.printStackTrace();
}
}
```

英雄留步! 走过路过不要错过, 既然来了就恭请加入 **平等·自由·奔放** 的 [黑客派社区](#), 一起学习, 互分享, 共同进步吧☺

注册邀请链接: <https://hacpai.com/register?r=Stone>