# Exporting dataframes

## write.xlsx function

Workbook with 1 sheet and 1 table

write.xlsx(df, file = "writeTable1.xlsx" , asTable = TRUE)

Workbook with 2 sheets and 2 tables

df\_list <- list("IRIS" = iris, "MTCARS" = mtcars)

write.xlsx(df\_list, file = "writeTable2.xlsx", asTable = TRUE)

We can use functions from **writeData** and **addWorksheet**

hs <- createStyle(fontColour = "#ffffff", fgFill = "#4F80BD",

halign = "center", valign = "center",

textDecoration = "Bold",

border = "TopBottomLeftRight", textRotation = 45)

write.xlsx(df, file = " writeTable3.xlsx ", **borders** = "columns", **headerStyle** = hs,

**gridLines** = FALSE)

Table

Description automatically generated

## Create a workbook object

class(df$V1) <- "accounting"

wb <- write.xlsx(df, "writeXLSX1.xlsx" , asTable = TRUE)

Graphical user interface, text

Description automatically generated with medium confidence

wb <- createWorkbook()

wb <- loadWorkbook(file = path\_to\_document)

## Filling a workbook

### worksheet

addWorksheet(wb, sheetName = "Iris", gridLines = FALSE)

setColWidths(wb, 2, cols = 1:3, widths = c(14, 12, 15))

setColWidths(wb, sheet=1, cols = c("A", "F", "G", "H"), widths = 15)

pageSetup(wb, sheet = 1, orientation = "landscape", scale = 50)

### Value or data.frame

writeData(wb, 2, x = "Iris dataset group means", startCol = 2, startRow = 2)

value\_style <- createStyle(fontSize=14, textDecoration=c("bold", "italic"))

addStyle(wb, 2, style = value\_style , rows=c(2,9), cols=c(2,2))

mergeCells(wb, sheet=2, cols=1:4, rows=2)

*conditionalFormatting (wb, sheet = 1, cols = 1:ncol(prices),*

*rows = 2:(nrow(prices)+1),*

*rule = "$H2 > 0.01")*

op.openxlsx

options("openxlsx.borderColour" = "#4F80BD")

options("openxlsx.borderStyle" = "thin")

options("openxlsx.dateFormat" = "mm/dd/yyyy")

options("openxlsx.datetimeFormat" = "yyyy-mm-dd hh:mm:ss")

### data.frame as table

*writeDataTable(wb, sheet = 1, x = mtcars,*

*colNames = TRUE, rowNames = TRUE,*

*tableStyle = "TableStyleLight9")*

### plot

*qplot(data=iris, x = Sepal.Length, y= Sepal.Width, colour = Species)*

*insertPlot(wb, 2, xy=c("B", 16)) ## insert plot at cell B16*

## Style a workbook

freezePane(wb, "Sheet 1", firstActiveRow = 5, firstActiveCol = "C" or 3)

modifyBaseFont(wb, fontSize = 10, fontName = "Arial Narrow")

## Open or save an Excel file

openXL(wb)

saveWorkbook(wb, "writeXLSX6.xlsx", overwrite = TRUE)

openXL("writeXLSX6.xlsx")