

# Package ‘WordR’

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**Type** Package

**Title** Rendering Word Documents with R Inline Code

**Version** 0.3.1

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**Description**

Serves for rendering MS Word documents with R inline code and inserting tables and plots.

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**Imports** dplyr, officer, flextable

**RoxygenNote** 6.0.1

**Suggests** knitr, rmarkdown, ggplot2, testthat

**VignetteBuilder** knitr

**NeedsCompilation** no

**Repository** CRAN

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addPlots	<i>Read Word document with bookmarks and create other Word document with rendered plots in place.</i>
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### Description

This function takes a list of functions creating plots and insert into Word document on places with corresponding bookmarks.

### Usage

```
addPlots(docxIn, docxOut, Plots = list(), width = 6, height = 6,
         res = 300, style = NULL, debug = F, ...)
```

### Arguments

docxIn	String of length one; path to Word file with bookmarks.
docxOut	String of length one; path for output Word file.
Plots	Named list of function creating plots to be inserted into the Word file
width	width of the plots in output in inches
height	height of the plots in output in inches
res	see res parameter in <a href="#">png</a>
style	see style parameter in <a href="#">body_add_img</a>
debug	Boolean of length one; If True then <a href="#">browser()</a> is called at the beginning of the function
...	Parameters to be sent to other methods ( <a href="#">png</a> )

### Value

Path to the rendered Word file if the operation was successful.

### Examples

```
library(ggplot2)
Plots<-list(plot1=function()plot(hp~wt,data=mtcars,col=cyl),
            plot2=function()print(ggplot(mtcars,aes(x=wt,y=hp,col=as.factor(cyl)))+geom_point()))
addPlots(
  paste(examplePath(),'templates/templatePlots.docx',sep = ''),
  paste(tempdir(),'resultPlots.docx',sep = ''),
  Plots,height=4)
```

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body\_add\_flexibles     *Read Word document with bookmarks and create other Word document with rendered tables in place.*

---

### Description

This function is basically a loop wrapper around [body\\_add\\_flexitable](#) function.

### Usage

```
body_add_flexibles(docxIn, docxOut, flexibles, debug = F, ...)
```

### Arguments

docxIn	String of length one; path to Word file with bookmarks.
docxOut	String of length one; path for output Word file.
flexibles	Named list of flexibles; Tables to be inserted into the Word file
debug	Boolean of length one; If True then <a href="#">browser()</a> is called at the beginning of the function
...	Parameters to be sent to other methods (mainly <a href="#">body_add_flexitable</a> )

### Value

Path to the rendered Word file if the operation was successful.

### Examples

```
library(flexitable)
ft_mtcars <- flexitable(mtcars)
ft_iris <- flexitable(iris)
FT <- list(ft_mtcars=ft_mtcars,ft_iris=ft_iris)
body_add_flexibles(
  paste(examplePath(),'templates/templateFT.docx',sep = ''),
  paste(tempdir(),'resultFT.docx',sep = ''),
  FT)
```

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examplePath     *Returns path to examples folder*

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### Description

Returns path to examples folder

### Usage

```
examplePath()
```

**Value**

Returns path to examples folder

**Examples**

```
examplePath()
```

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renderInlineCode	<i>Read Word document with R code blocks, evaluate them and writes the result into another Word document.</i>
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**Description**

Read Word document with R code blocks, evaluate them and writes the result into another Word document.

**Usage**

```
renderInlineCode(docxIn, docxOut, debug = F)
```

**Arguments**

docxIn	String of length one; path to Word file with R code blocks.
docxOut	String of length one; path for output Word file.
debug	Boolean of length one; If True then <code>browser()</code> is called at the beginning of the function

**Value**

Path to the rendered Word file if the operation was successful.

**Examples**

```
renderInlineCode(  
  paste(examplePath(), 'templates/template1.docx', sep = ''),  
  paste(tempdir(), '/result1.docx', sep = ''))
```

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WordR

*WordR: package for rendering MS Word documents with R inline code and inserting tables and plots.*

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### **Description**

The WordR package provides three main functions `body_add_flexibles`, `addPlots` and `renderInlineCode`, which together should provide enough functionality to create a nice, customised MS Word report from a given template.

### **Details**

More information about the package can be found in [vignette](#) or run:

```
vignette("WordR", package = "WordR")
```

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