

Package ‘WordR’

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Type Package

Title Rendering Word Documents with R Inline Code

Version 0.3.0

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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, ReporteRs, testthat

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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addFlexTables	<i>WARNING: Function WordR::addFlextables() will be deprecated. Pls change your scripts which creates the input tables to using flextable package (and not ReporteRs) and use WordR::body_add_flextables() instead.</i>
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Description

Read Word document with bookmarks and create other Word document with rendered tables in place.

Usage

```
addFlexTables(docxIn, docxOut, FlexTables = list(), debug = F, ...)
```

Arguments

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

Details

This function is basically a loop wrapper around `addFlexTable` function.

Value

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

Examples

```
#library(ReporteRs)
#ft_mtcars <- vanilla.table(mtcars)
#ft_iris <- vanilla.table(iris)
#FT <- list(ft_mtcars=ft_mtcars,ft_iris=ft_iris)
#addFlexTables(
#  paste(examplePath(),'templates/templateFT.docx',sep = ''),
#  paste(tempdir(),'resultFT.docx',sep = ''),
#  FT)
```

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 png
style	see style parameter in body_add_img
debug	Boolean of length one; If True then browser() is called at the beginning of the function
...	Parameters to be sent to other methods (png)

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)
```

`body_add_flextables` *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_flextables(docxIn, docxOut, flextables, debug = F, ...)
```

Arguments

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

Value

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

Examples

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

`examplePath` *Returns path to examples folder*

Description

Returns path to examples folder

Usage

```
examplePath()
```

Value

Returns path to examples folder

Examples

```
examplePath()
```

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 = ''))
```

WordR

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

Description

The WordR package provides three main functions [addFlexTables](#), [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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