Package 'r2pptx'

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```
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```

R topics documented:

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+,R2Pptx,R2PptxSlide-method Add R2Ppptx slide			

Add an 'R2PptxSlide' object to something else compatible.

Usage

Description

```
## S4 method for signature 'R2Pptx,R2PptxSlide'
e1 + e2
```

Arguments

e1 An object that a slide can be added to, such as an 'R2PptxPresentation', 'R2PptxSlide', or 'R2PptxSlideList'.

e2 'R2PptxSlide' object

Value

If e1 is an object of class R2PptxPresentation then returns an object of class R2PptxPresentation. Otherwise returns an object of class R2PptxSlideList

```
+,R2PptxSlide,R2PptxElement-method

Add element to slide
```

Description

Add an R2PptxElement object to an R2PptxSlide object.

Usage

```
## S4 method for signature 'R2PptxSlide,R2PptxElement'
e1 + e2
```

Arguments

e1 R2PptxSlide object e2 R2PptxElement object

Value

An object of class R2PptxSlide, which is e1 with an additional element e2

```
+,R2PptxSlide,R2PptxSlideList-method \begin{tabular}{ll} Add \ slide \ to \ slidelist \end{tabular}
```

Description

Add slide to slidelist

Usage

```
## S4 method for signature 'R2PptxSlide,R2PptxSlideList'
e1 + e2
```

Arguments

```
e1 PR2PptxSlide object
e2 R2PptxSlideList object
```

Value

An object of class R2PptxSlideList which is the R2PptxSlideList list e1 with an additional slide which is e2.

4 get_layouts

```
+,R2PptxSlideList,R2PptxSlideList-method Add\ slidelist\ to\ slidelist
```

Description

Add slidelist to slidelist

Usage

```
## S4 method for signature 'R2PptxSlideList,R2PptxSlideList'
e1 + e2
```

Arguments

e1	R2PptxSlideList object
e2	R2PptxSlideList object

Value

An object of class R2PptxSlideList which is e1 with additional slides (all the slides in e2).

get_layouts

Get layouts

Description

A thin wrapper around officer::layout_summary() to get layouts for R2PpptxPresentation objects.

Usage

```
get_layouts(x)
```

Arguments

Χ

R2PpptxPresentation object

Value

An object of class data.frame with fields for the layout name and the name of the slide theme (master).

get_layout_properties 5

```
get_layout_properties Gets layout properties
```

Description

A thin wrapper around officer::plot_layout_properties() to get layouts properties for R2PpptxPresentation objects.

Usage

```
get_layout_properties(x, layout)
```

Arguments

x R2PpptxPresentation object

layout character. Name of the layout to see properties for.

Value

An object of class data.frame with fields for placeholder attributes and one row per placeholder element.

Description

method to get slides

Usage

```
## S4 method for signature 'R2PptxSlideList'
get_slides(x)
```

Arguments

x R2PptxSlideList object

Value

List, a list of R2PptxSlide objects.

new_element

```
{\tt length,R2PptxSlide-method}
```

Get slide length

Description

Returns the number of elements in a slide

Usage

```
## S4 method for signature 'R2PptxSlide'
length(x)
## S4 method for signature 'R2PptxPresentation'
length(x)
```

Arguments

x 'R2PptxSlide' object

Value

Integer, number of elements in the R2PptxSlide object Integer, the number of slides in the presentation.

new_element

New Element

Description

Make a new 'R2PptxElement'. Element represent text, a flextable, an image, a ggplot2, etc to add to a slide.

Usage

```
new_element(key, value)
```

Arguments

key character. Name of the placeholder label for this element.
value object. Object to put into a PowerPoint slide, eg text or a plot.

Value

An object of class R2PptxElement representing something to put on a slide.

new_presentation 7

new_presentation

New Presentation

Description

Make a new 'R2PptxPresentation'. Presentations represent PowerPoint decks.

Usage

```
new_presentation(
  template_path = getOption("default_pptx_template"),
  slides = list()
)
```

Arguments

template_path

character. Path of the file that has the PowerPoint template to use. Defaults to

path set in 'options("default_pptx_template")'

slides

list. Optional. List of slides to initiate the presentation with.

Value

An object of class R2PptxPresentation representing a future PowerPoint presentation.

new_slide

New slide

Description

Make a 'R2PptxSlide' object representing a PowerPoint slide.

Usage

```
new_slide(layout, elements = list())
```

Arguments

layout

character. Name of the PowerPoint layout to use for this slide.

elements

list. List of 'R2PptxElements' to initialize the slide with. Defaults to empty list.

Value

An object of class R2PptxSlide representing a future PowerPoint slide.

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new_slidelist

New slide list

Description

Make a R2PptxSlideList object representing a list of PowerPoint slides

Usage

```
new_slidelist(slides = list())
```

Arguments

slides

list. List of R2PptxSlide objects to initialize the list with. Defaults to empty list.

Value

An object of class R2PptxSlideList representing a list of R2pptxSlide object.

plot_layout

Plot layout

Description

A thin wrapper around officer::plot_layout_properties() to plot layouts for R2PpptxPresentation objects.

Usage

```
plot_layout(x, layout)
```

Arguments

x R2PpptxPresentation object

layout character. Name of the layout to see properties for.

Value

No return value, called for side effects

R2PptxElement-class 9

R2PptxElement-class *Element*

Description

An S4 An class to represent text, a flextable, an image, a ggplot2, etc we add to a slide.

R2PptxLocation-class Location

Description

A Location is used to place an element on a slide. For now this will just be a placeholder name, but eventually it could expand to be an arbitrary location

R2PptxPresentation-class

Presentation

Description

An S4 class to represent a PowerPoint presentation.

Slots

slides list. List of 'R2PptxSlide' objects.

template_path character. File path to the PowerPoint template used for this presentation.

R2PptxSlide-class Slide

Description

An S4 class to represent a PowerPoint slide

Slots

layout character. Name of the PowerPoint layout to use for this slide. elements list. List of 'R2PptxElement' objects.

10 template_path

```
R2PptxSlideList-class Slide list
```

Description

R2PptxSlideList is an S4 class to contain groups of R2PptxSlide objects that are not part of a presentation. It is meant to be used to create lists of slides and then be able to add the list easily to a presentation.

Slots

```
slides list. A list of R2PptxSlide objects
```

template_path

Get template path

Description

Get template path

Usage

```
template_path(x)
## S4 method for signature 'R2PptxPresentation'
template_path(x)
```

Arguments

Х

object to get the template path for.

Value

Character, the file path this R2PptxPresentation points to.

Methods (by class)

• R2PptxPresentation: Get the template path of an R2PptxPresentation object.

template_path<-

template_path<-

Set template path

Description

Set template path

Usage

```
template_path(x) <- value
## S4 replacement method for signature 'R2PptxPresentation'
template_path(x) <- value</pre>
```

Arguments

x object to set the template path of.

value character. File path of the new template

Value

The R2PptxPresentation object x with the changed template path.

Functions

• template_path<-,R2PptxPresentation-method: Set the template path of an R2PptxPresentation object.

write_pptx

Write pptx

Description

Write an object to a '.pptx' file.

Usage

```
write_pptx(x, path)
## S4 method for signature 'R2PptxPresentation'
write_pptx(x, path)
```

Arguments

x object

path character. File path to write to.

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Value

Returns the R2PptxPresentation object given to the function.

Methods (by class)

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