Add R2Pptx slide

Description

Add an ‘R2PptxSlide’ object to something else compatible.

Usage

```r
## 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`
Description

Add an R2PptxElement object to an R2PptxSlide object.

Usage

```r
## 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.

---

Description

Add slide to slidelist

Usage

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

Arguments

- `e1` R2PptxSlide object
- `e2` R2PptxSlideList object

Value

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

### Description

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

### Usage

get_layouts(x)

### Arguments

- **x**: 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**  *Gets layout properties*

**Description**

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

**Usage**

```r
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.

---

**get_slides, R2PptxSlideList-method**  *

**method to get slides**

**Description**

method to get slides

**Usage**

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

**Arguments**

- `x` R2PptxSlideList object

**Value**

List, a list of R2PptxSlide objects.
## length, R2PptxSlide-method

*Get slide length*

### Description

Returns the number of elements in a slide.

### Usage

```r
def length(x)
```

```r
def length(x)
```

### Arguments

- `x` of type `R2PptxSlide`.

### Value

An integer representing the number of elements in the slide.

### 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

```r
def new_element(key, value)
```

### Arguments

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

### Value

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

---

**new_presentation**  
*New Presentation*

**Description**

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

**Usage**

```r
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**

```r
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.
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**  
*Element*

**Description**

An S4 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.
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

x  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<-  

---

Set template path

Description

Set template path

Usage

template_path(x) <- value

## S4 replacement method for signature 'R2PptxPresentation'

template_path(x) <- value

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.
Value

Returns the R2PptxPresentation object given to the function.

Methods (by class)

- R2PptxPresentation: Write a presentation to a `.pptx` file
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