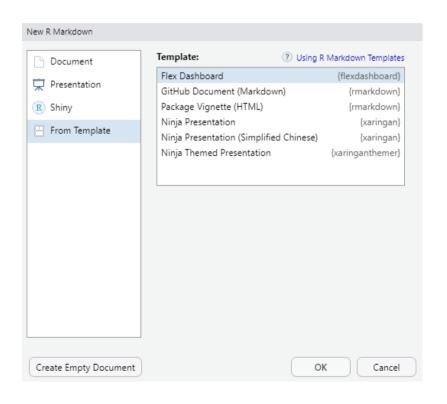
Indiedown: Individual R Markdown PDF Templates

Angelica Becerra, cynkra

March 18, 2021

Motivation

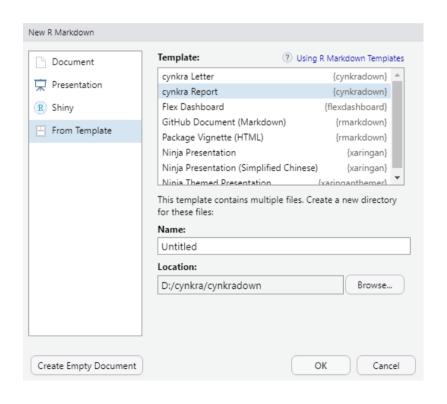
Create an RMarkdown template



```
classoption: twocolumn
fontsize: 11pt
toc: true
toc-color: white
numbersections: false
title: "title"
title-color: blue
subtitle: "subtitle"
subtitle-color: blue
logo: "logo.png"
front-page-color: orange
front-page-graphic: "first_photo.jpg"
impressum: true
department: "department"
address: "address"
tel: "telefon"
web: "www.web"
date: "November 2020"
authors:
 - Author
credit: "credit"
output:
  pdf_document:
   keep_tex: true
    latex_engine: xelatex
    template: SSZ.tex
header-includes:
    - \usepackage{booktabs}
    - \usepackage[nonumberlist]{glossaries}
    - \makenoidxglossaries
    - \setglossarystyle{altlist}
    - \renewcommand{\glossarysection}[2][]{}
    - \renewcommand{\glsnamefont}[1]{\textbf{#1}}
```

Motivation

Generate easily customized RMarkdown PDF templates





What is indiedown?

- R package to generate easily customized RMarkdown PDF templates
- Extend Pandoc .tex; indiedown does not modify the default .tex template of Pandoc
- Keep all corporate design elements as 🗬 code

First steps

Installation

```
install.packages("indiedown")
```

You can also install the development version from GitHub:

```
# install.packages("remotes")
remotes::install_github("cynkra/indiedown")
```

Create your own package to generate a customized RMarkdown template

```
indiedown::create_indiedown_package("mydown")
```

■ Build your package using *Build and Reload* in RStudio or with:

Create a new Rmarkdown

After the new package is built and installed, you will have available the new template (after a restart)

How to customize the new template?

There are three possible customization points to customize an indiedown skeleton:

- Set defaults (such as fonts or geometry) in the YAML header at inst/indedown/default.yaml
- Tweak LaTeX settings at inst/indedown/preamble.tex
- Apply dynamic adjustments in pre_processor.R (advanced)

Set defaults in the YAML header

```
# indiedown: customize defaults in YAML header here
indent: false
compact-title: true
subparagraph: true # needed for titlesec
papersize: a4
documentclass: article
secnumdepth: 2
fontsize: "11pt"
geometry:
- top=2cm
- bottom=2cm
- left=2cm
- right=2cm
```

Changing fonts

```
# indiedown: customize defaults in YAMI header here
mainfont: regular.ttf
mainfontoptions:
- Path=<<indiedown_path>>/fonts/
- BoldFont=bold.ttf
- ItalicFont=italic.ttf

    BoldItalicFont=bolditalic.ttf

- Scale=0.92
```

 We could replace that with a proprietary font to match the corporate design, or use a helper function to get one of Google's free fonts

```
use_indiedown_gfonts(id = "lato")
```

Customization in preamble.tex

Add everything here that cannot be changed in the default.yaml.

\usepackage[medium]{titlesec}

■ The default LaTeX title page is disabled in the default template.

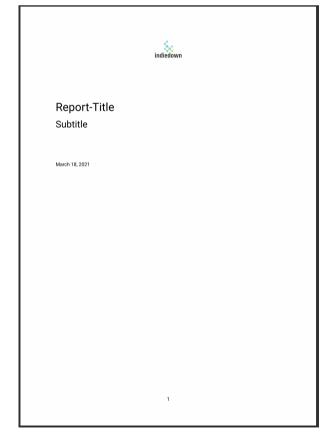
\renewcommand\maketitle{}

 Instead, we will build our own title page in R modifying the function definition of R/cd page title.

Customized title page.

mydown package includes the function cd_page_title, and it will generate:

```
```{r}
cd_page_title()
...
```



### Customized title page.

- Use your own logo in
- Copy your own fonts in inst/indiedown/fonts folder
- Change cd page title()

#### cynkra.



Eidgenössisches Departement für Wirtschaft, Bildung und Forschung WBF Staatssekretariat für Wirtschaft SECO Direktion für Wirtschaftspolitik Koniunktur

#### Report-Title

Subtitle

March 18, 2021

#### **Customized RMarkdown Template**

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt modifica naire i des laborum.

Lorem ipsum dolor sit amet, facilisis tempor nibh efficitur, ante ex leo? Turpis accumsan turpis auctor vel bibendum ac, mi ut lacinia. Quam nulla ultrices penatibus condimentum porttitor nam habitasse nullam rhoncus. Quam eget luctus diam. Est suscipit sociosqu turpis sociis sit praesent vehicula nisl. Consectetur egestas, tempor integer fermentum donec id urna viverra placerat, volutpat mattis. Maximus lobortis justo, porttitor. Dis nunc massa fusce suspendisse ut orci! Enim accumsan amet dis vel et blandit, justo. Ac amet accumsan diam odio scelerisque ullamcorper id et. Gravida et ullamcorper. Libero a ut vitae magna vel aenean nec amet, in purus praesent, hendrerit netus. Nunc augue sit id hendrerit sodales vestibulum magnis erat posuere donec potenti libero cursus. Facilisis ut pellentesque sed accumsan magna scelerisque pellentesque. Ante, turpis, lacus molestie commodo leo. Ouis, aenean vestibulum varius malesuada donec maecenas varius fusce amet metus., Risus metus euismod massa non. A cras laoreet sem ut commodo, sed! Mollis nascetur penatibus porta. Ut, dolor est euismod nulla laoreet imperdiet a urna. Fames consectetur dui dictumst magnis semper mauris maecenas. Nullam sit curabitur. Taciti enim convallis non sed sociis, molestie. Odio nunc enim habitasse id. sapien nascetur eros tellus malesuada, in ut. Litora leo in sed faucibus cursus ridiculus. Proin ac nam tincidunt amet dictum quis maximus eget euismod, magna eu., Lacinia potenti habitant luctus. Fames jaculis faucibus quam lacus urna, ac auctor volutpat. Curabitur nullam nisi aptent lectus liquia ut ut ac condimentum diam mauris. Nibh et amet himenaeos platea quis faucibus et neque. hendrerit malesuada sed vulputate donec! Senectus per amet volutpat id, nascetur lectus orci, potenti. Aenean ac rutrum hac. Dolor sed velit, fermentum ut, diam vehicula et commodo cursus. Lectus aliguam ordi malesuada ameti ad finibus ad quis ad Viverra sodales suscipit quam mauris. Nibh fusce ad condimentum curabitur, commodo curabitur vestibulum egestas ex. Vestibulum arcu eu varius augue sit rutrum. Eu habitasse, luctus, cubilia, lorem sed. Nisi orci a cras nam, ultrices nunc suscipit.

1

#### Changing cd page title

to include different parameters or create other functions.

```
```{r}
cd_page_title(subtitle_below = "Second Subtitle",
              title_image_path = system.file(package = "zueridown", "example", "
cd_page_impressum(department = "Statistik Stadt Zürich",
                              address = "[address]",
                              tel = "[tel]",
                              web = "www.stadt-zuerich/Statistik",
                              date = "[date]",
                              authors = "[authors]",
                              credit = "[credit]",
                              symbol_explanation = FALSE,
                              color_palette = cd_color_palette("default"))
```

To have

Resources

- GitHub repo: https://github.com/cynkra/indiedown
- Vignettes: https://cynkra.github.io/indiedown/articles/

Thanks for your attention!

Christoph Sax (christoph@cynkra.com)

Kirill Mueller (kirill@cynkra.com)

Frederik Aust

Angelica Becerra (angelica@cynkra.com)

https://cynkra.com