

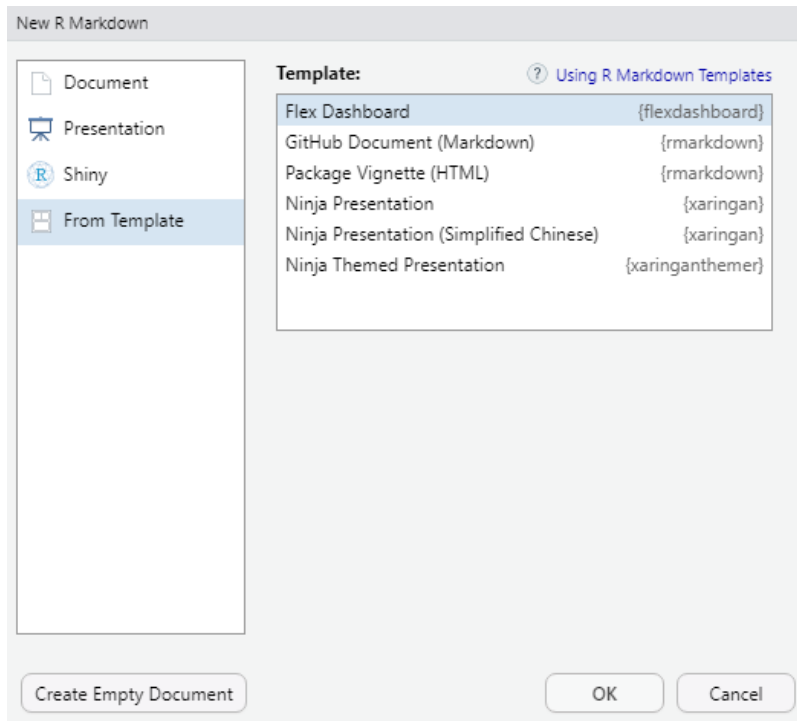
# Indiedown: Individual R Markdown PDF Templates

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March 18, 2021

# Motivation

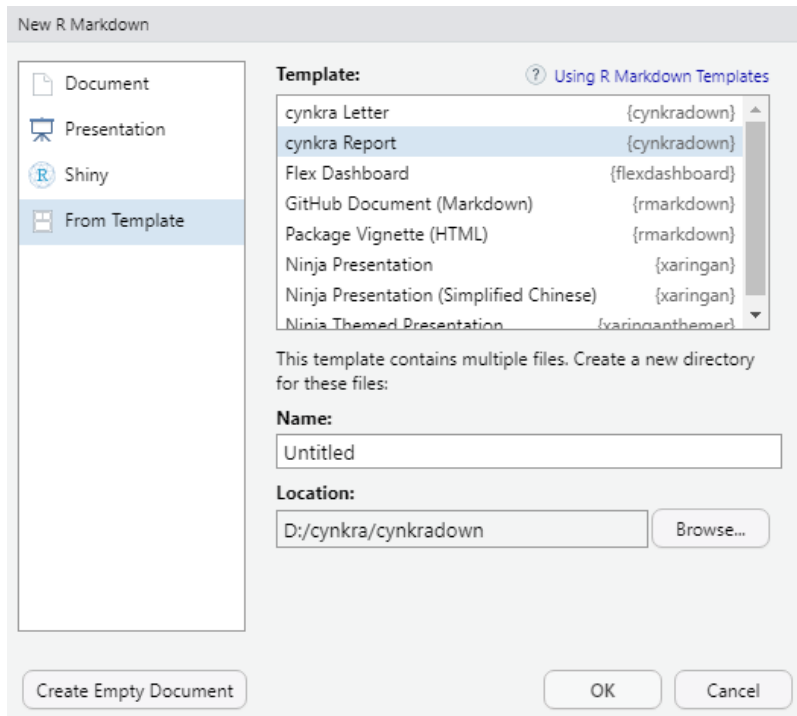
Create an RMarkdown template



```
---  
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



Report-Title  
Subtitle

March 16, 2021

# 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 YAML 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.

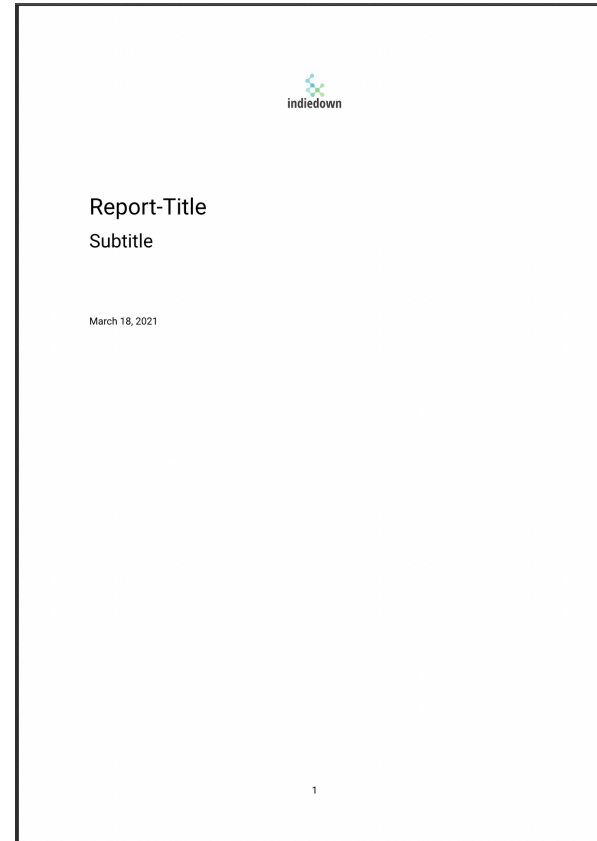
```
\renewcommand\maketitle{}
```

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

Customized title page.

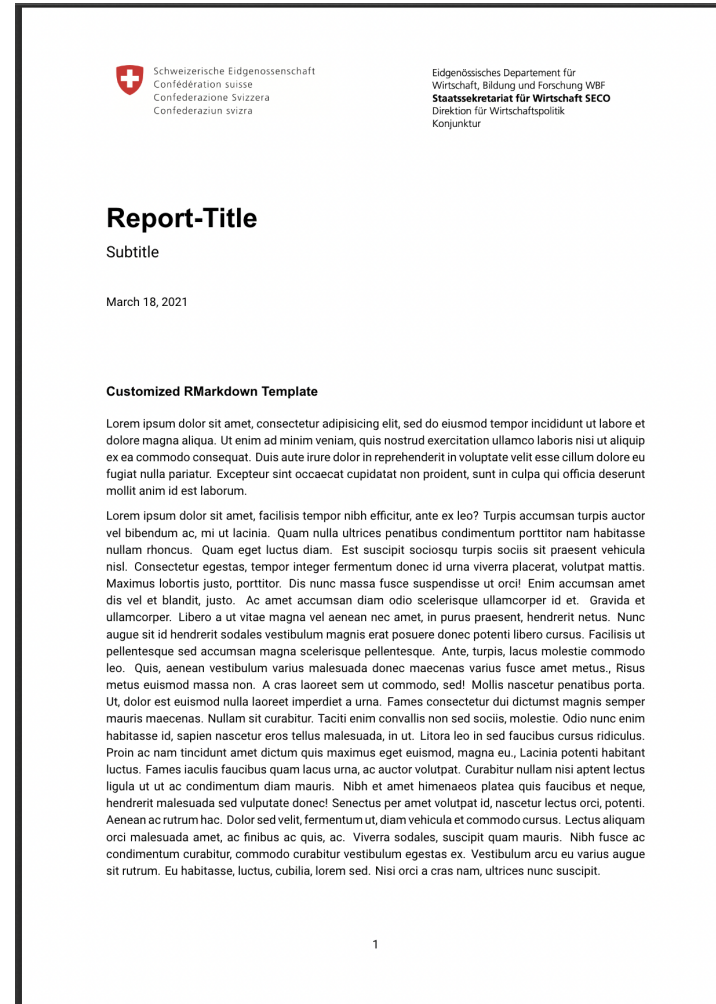
**mydown** package includes the function **cd\_page\_title**, and it will generate:

```
```{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()`



## 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!

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