

# miniBeamer package presentation

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Stawikowski | Witold Merkel



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# Outline

## miniBeamer

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`beam_this_rmd()`

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`rnw_to_rmd()`

`business_card()`

# miniBeamer PDF presentation with R Markdown

Get it from GitHub: <https://github.com/mckraqs/miniBeamer>



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# Package features

Create a MiNI WUT themed documents with following main features:

1. Works in all modern browsers
2. Presentation fully keyboard accessible
3. Multiple themes available
4. Printable to PDF
5. RNW to RMD conversion
6. Business cards generator

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# beam\_this\_rmd()

beam\_this\_rmd() converting .Rmd file into beautiful MiNI WUT themed beamer presentation

An example usage:

```
rmarkdown::render('tests/prezentacja_pakietu.Rmd',  
  miniBeamer::beam_this_rmd(  
    themecolor = 'sapphire',  
    fontcolor = 'graphite',  
    toc = FALSE,  
    incremental = FALSE,  
    fig_width = 9,  
    fig_height = 6,  
    fig_crop = TRUE,  
    pandoc_args = NULL,  
    bl = "BOTTOMLEFT",  
    br = "BOTTOMRIGHT",  
    highlight = "haddock",  
    latex_engine = "xelatex",  
    bl = "C:/Users/bgranat/Desktop/logoPW.png",  
    br = "C:/Users/bgranat/Desktop/WMINIznak.png"))
```



# Example presentation

```
---  
title: "miniBeamer RMD_TO_PDF initial presentation"  
author: mckraqs  
output: miniBeamer::beam_this_rmd  
---
```

## miniBeamer PDF presentation with R Markdown

Get it from GitHub: <https://github.com/mckraqs/miniBeamer>

# R Markdown

## R Markdown

This is an R Markdown presentation. Markdown is a simple formatting syntax  
for authoring HTML, PDF, and MS Word documents.

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# Presentation Features

Let's dive more deeply into some of the presentation features!



# Different themes

## miniBeamer package presentation

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Politechnika  
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## rnw\_to\_rmd()

rnw\_to\_rmd is converting .Rnw file into .Rmd file which can be further used to create a pdf presentation

An example usage:

```
oided <- path()
newed <- new("new", "new", "new", sep="")
newed(newed)
```

```
miniBeamer::rnw_to_rmd("new.Rnw")
rmarkdown::rmarkdown::render("new.Rmd",
  miniBeamer::beam_this_rnw(toc = TRUE,
    latex_engine = "pdflatex",
    thesicolor = "apple",
    fontcolor = "apple",
    hl = "C:/Users/Adam/Desktop/Logoff",
    hr = "C:/Users/Adam/Desktop/Logoff")
  newed(oided)
```

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## Formulas

It supports both inline:  $y = x/2$  and displayed formulas:

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

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Figure 1: Different themes

# Lists

1. 11.11.2019 Stochastic Processes exam
2. 12.11.2019 HTML homework
3. 1.01.2020 PARTY!!!
  - Drink juice
  - Eat popcorn
  - Go to sleep before midnight
1. 30.01.2020 oops exams

# Formulas

It supports both inline:  $y = x/2$  and displayed formulas:

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

## Slide with quote

*Na tym przedmiocie nie nauczę was jak się robi aplikację. . .  
ale i tak będziecie musieli ją zrobić.*

**Michał Okulewicz**

# Slide with R Code and Output

```
print('Test1')  
## [1] "Test1"  
options(tibble.width = 120)
```

- Some text

```
super_complicated_equation_evaluation <- 2 + 2  
super_complicated_equation_evaluation  
## [1] 4
```



# Tables

Przedmiot	Liczba godzin	ECTS
Analiza matematyczna 1	60	6
HTML	30	4
Procesy Stochastyczne	45	5
Rachunek Prawdopodobieństwa	60	6
Zaawansowany R	60	4

# Lists item by item

1. Lets you reveal list items one by one

# Lists item by item

1. Lets you reveal list items one by one
2. To keep some key points

# Lists item by item

1. Lets you reveal list items one by one
2. To keep some key points
3. In secret from audience

# Lists item by item

1. Lets you reveal list items one by one
2. To keep some key points
3. In secret from audience
4. But it will work only once

# Lists item by item

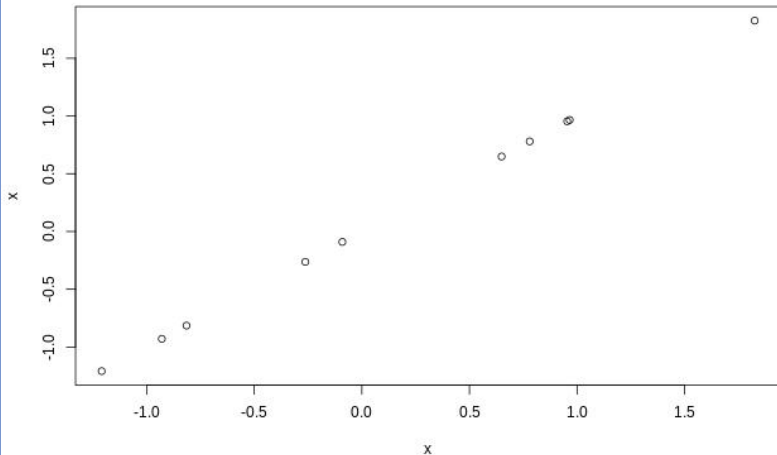
1. Lets you reveal list items one by one
2. To keep some key points
3. In secret from audience
4. But it will work only once
5. Nobody wants to see the same joke twice

# Never Gonna Give You Up



Figure 2: Super handsome Rick Astley

# Slide with Plot





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# rnw\_to\_rmd()

rnw\_to\_rmd is converting .Rnw file into .Rmd file which can be further used to create a pdf presentation

An example usage:

```
oldWd <- getwd()
newWd <- paste(getwd(), "/tests/rnw_to_rmd", sep="")
setwd(newWd)

miniBeamer::rnw_to_rmd('rnwExample.Rnw')
rmarkdown::render('rnwExample.Rmd',
  miniBeamer::beam_this_rmd(toc = TRUE,
    latex_engine = 'pdflatex',
    themecolor = 'sapphire',
    fontcolor = 'graphite',
    bl = "C:/Users/Adam/Desktop/logoPW.",
    br = "C:/Users/Adam/Desktop/logoMin

setwd(oldWd)
```

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# business\_Card()

business\_card() is converting .Rmd file into beautiful MiNI WUT themed business card

An example usage:

```
rmarkdown::render(  
  'tests/business_card/business_card.Rmd', miniBeamer::business_card()  
)
```

# Example business card

```
---
address: |
  @mckraqs
logo: "WMiNI-znak.png"
person:
  - name: Mateusz Polakowski
    title: Data Science, MiNI PW
    phone: "+48 997 998 999"
    email: mateusz.polakowski@mini.pw.edu.pl
    url: https://github.com/mckraqs/miniBeamer
cols: 1
rows: 1
output: miniBeamer::business_card
---
```

**WOW! WOW! This card is nice!**



**Wydział Matematyki  
i Nauk Informatycznych**

POLITECHNIKA WARSZAWSKA

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<https://github.com/mckraqs/miniBeamer>

@mckraqs

Figure 3: Business card

# Surprise



Figure 4: Hex