

miniBeamer package presentation

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miniBeamer

miniBeamer PDF presentation with R Markdown

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



Figure 1: New HEX

Quick Reminder

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

Added:

1. Master Thesis template
2. Perl automated installation

Perl instalation

If you have one already

```
> rnw_to_rmd("rnwExample.Rnw")
This is perl 5, version 30, subversion 0 (v5.30.0) built for MSWin32-x64-multi-thread
Copyright 1987-2019, Larry Wall

Perl may be copied only under the terms of either the Artistic License or the
GNU General Public License, which may be found in the Perl 5 source kit.

Complete documentation for Perl, including FAQ lists, should be found on
this system using "man perl" or "perldoc perl". If you have access to the
Internet, point your browser at http://www.perl.org/, the Perl Home Page.
```

Figure 2: Up to date

If your version is outdated

```
This is perl 5, version 18, subversion 4 (v5.18.4) built for darwin-thread-multi-2level
(with 2 registered patches, see perl -V for more detail)

Your Perl version is outdated, the conversion might not function properly!
```

Figure 3: Outdated

In case you don't have Perl

On Windows

You need Perl installed to use this function!
Please visit the following link to download Strawberry Perl v5.30:
<http://strawberryperl.com/download/5.30.1.1/strawberry-perl-5.30.1.1-64bit.msi>

Figure 4: Windows 64 bit

On Linux/macOS

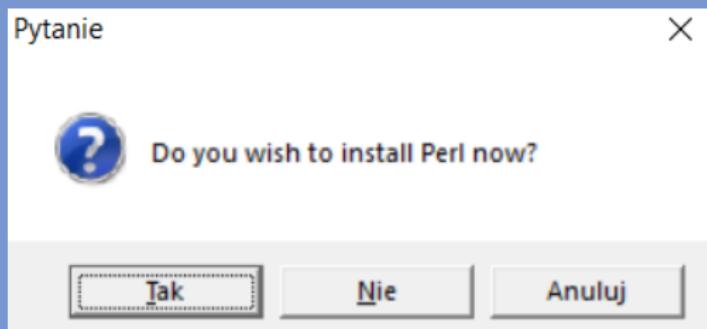


Figure 5: Linux

Auto installation

```
% Total     % Received % Xferd  Average Speed   Time     Time      Time  Current
          Dload  Upload   Total   Spent   Left  Speed
0       0       0       0       0       0       0 ---:--:-- --:--:-- --:--:-- 0
100  248  100  248  0       0      248      0  0:00:01  0:00:01  ---:-- 248
100  162  100  162  0       0      162      0  0:00:01  0:00:01  ---:-- 0
100 1475  100 1475  0       0     1475      0  0:00:01  0:00:01  ---:-- 1475
#!/bin/bash

# Installer script for Perl on Linux/Unix systems

INSTALLER_PERL_VERSION=5.28.0
```

Figure 6: Installer script

Thesis

Thesis template supports four versions of output:

- 1. PDF
- 2. Word
- 3. ePub
- 4. gitbook

Currently, the PDF and gitbook versions are fully-functional. The word and epub versions are developmental, have no templates behind them, and are essentially calls to the appropriate functions in bookdown.

Thesis usage example

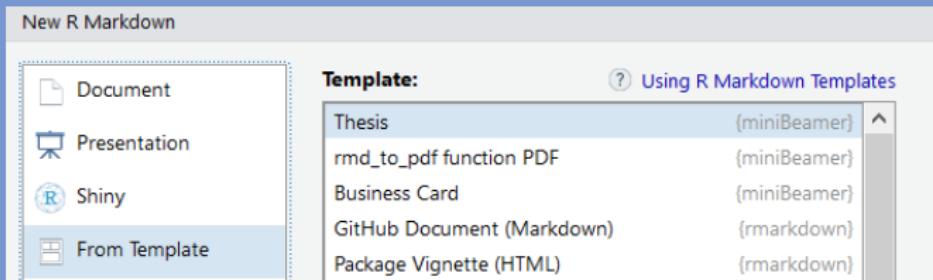


Figure 7: Usage

Thesis template

| | |
|---|--|
| Introduction | |
| 1 R Markdown Basics | |
| 2 Mathematics and Science | |
| 3 Tables, Graphics, References, and La... | |
| Conclusion | <i>miniBeamer follower</i> |
| Appendix | <i>May 20xx</i> |
| A The First Appendix | |
| B The Second Appendix, for Fun | |
| References | |
| Published with bookdown | Welcome to the <i>R Markdown</i> thesis template. This template is based on (and in many places copied |

Figure 8: Thesis example - introduction

Thesis template

| |
|---|
| Introduction |
| 1 R Markdown Basics |
| 2 Mathematics and Science |
| 3 Tables, Graphics, References, and La... |
| 3.1 Tables |
| 3.2 Figures |
| 3.3 Footnotes and Endnotes |
| 3.4 Bibliographies |
| 3.5 Anything else? |
| Conclusion |
| Appendix |
| A The First Appendix |
| B The Second Appendix, for Fun |
| References |
| Published with bookdown |

3.2 Figures

If your thesis has a lot of figures, *R Markdown* might behave better for you than that other word processor. One perk is that it will automatically number the figures accordingly in each chapter. You'll also be able to create a label for each figure, add a caption, and then reference the figure in a way similar to what we saw with tables earlier. If you label your figures, you can move the figures around and *R Markdown* will automatically adjust the numbering for you. No need for you to remember! So that you don't have to get too far into LaTeX to do this, a couple **R** functions have been created for you to assist. You'll see their use below.

In the **R** chunk below, we will load in a picture stored as `reed.jpg` in our main directory. We then give it the caption of "Reed logo", the label of "reedlogo", and specify that this is a figure. Make note of the different **R** chunk options that are given in the R Markdown file (not shown in the knitted document).

```
knitr::include_graphics(path = "figure/MiNI.png")
```



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Figure 9: Thesis example - figures

Thesis template

The image shows a screenshot of a thesis template. On the left side, there is a vertical sidebar containing a table of contents or a list of sections:

- Introduction
- 1 R Markdown Basics**
- 2 Mathematics and Science**
- 3 Tables, Graphics, References, and La...**
- Conclusion
- Appendix
 - A The First Appendix**
 - B The Second Appendix, for Fun**
- References

The main content area on the right has a large title **A The First Appendix**. Below it, a text block reads: "This first appendix includes all of the R chunks of code that were hidden throughout the document (using the `include = FALSE` chunk tag) to help with readability and/or setup." Underneath this text, the heading **In Chapter 3:** is followed by a light gray rectangular box containing the text **2+2**.

Figure 10: Thesis example - appendix

Tests and code coverage

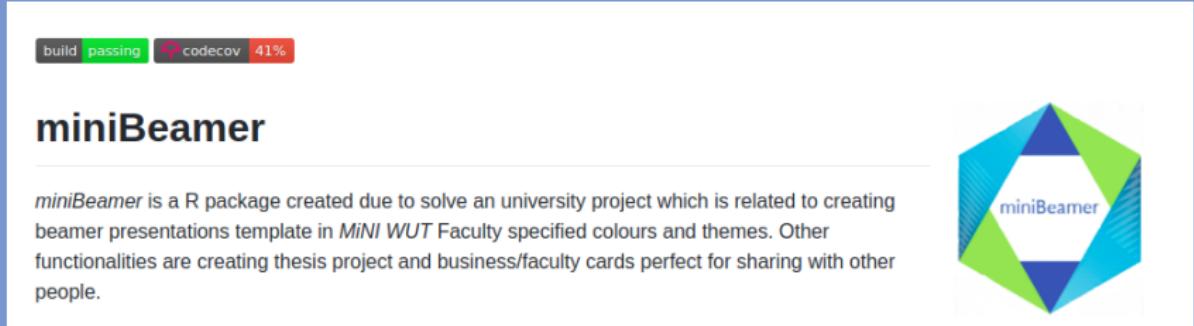


Figure 11: Github badges

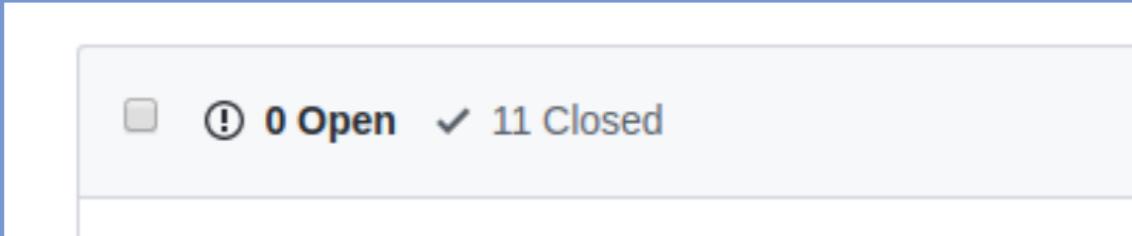


Figure 12: Progress

Thank you for your attention



Figure 13: Us