Creating and Styling PPTX Slides with {rmarkdown}

R/Medicine 2021

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```
## [1] "theme.css"
```

You did something cool

And you want/need to show it to someone

and you want to do it using rmarkdown to increase reproducibility

You may use

- xaringan
- revealjs
- Beamer
- ioslides

these work well for presentation, but can be difficult to share and collaborate with with non-R users

PowerPoint is the Goliath of presentation software

There are 3 main ways to create pptx from R

- using {rmarkdown} via pandoc
- using {officedown}
- using {officer}

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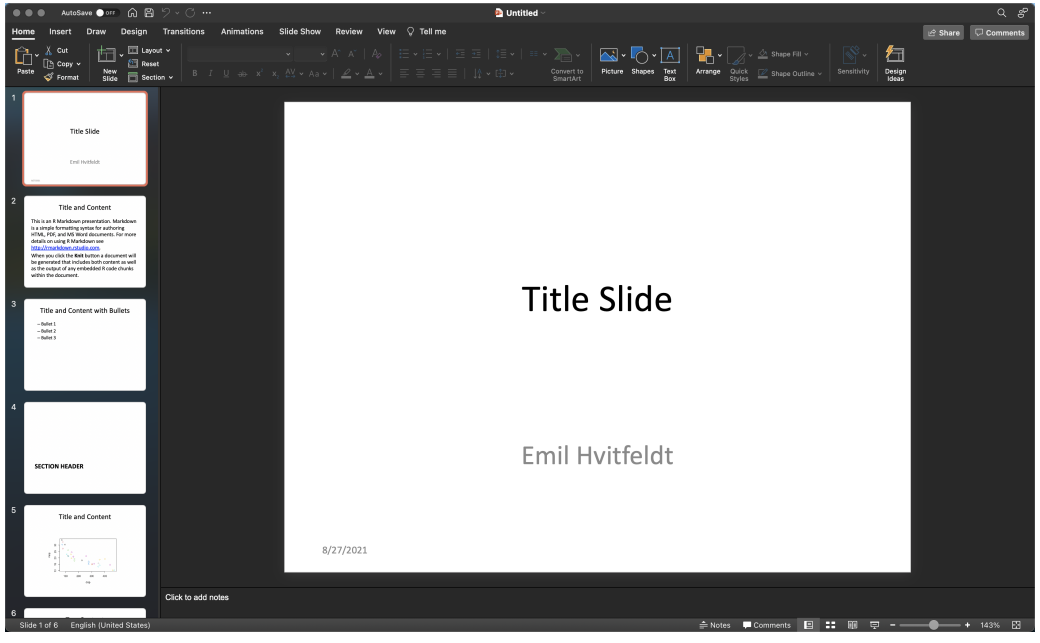
powerpoint_presentation

This is a very simple slide setup

- Title Slide
- Title and Content (main content slide)
- Section Header
- Two Content

```
---
title: "Title Slide"
author: "Emil Hvitfeldt"
date: "8/27/2021"
output: powerpoint_presentation
---
```

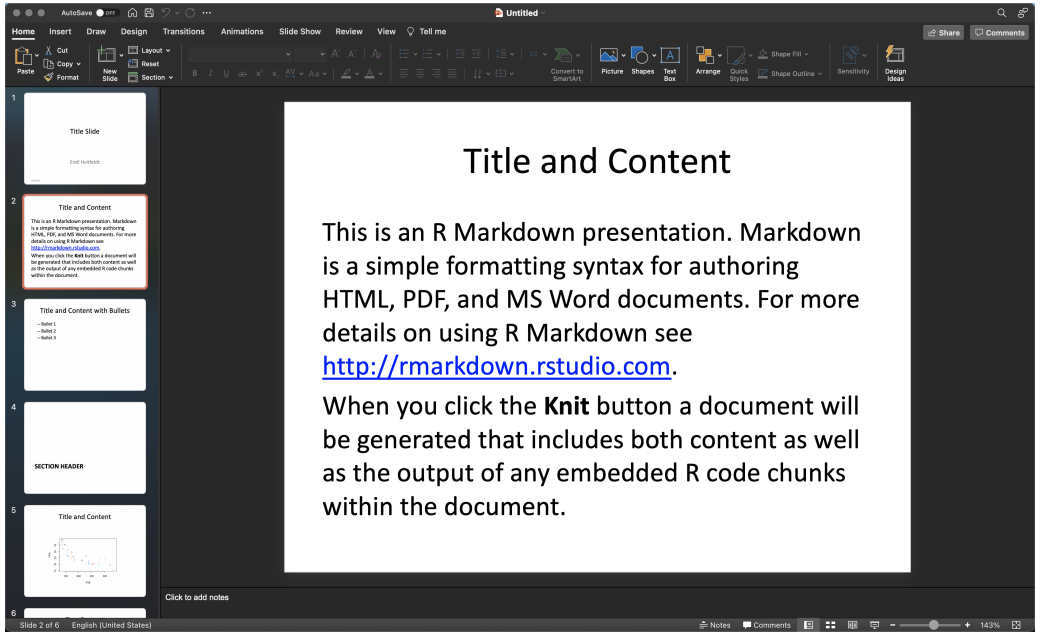


```
```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = FALSE)
```

Title and Content

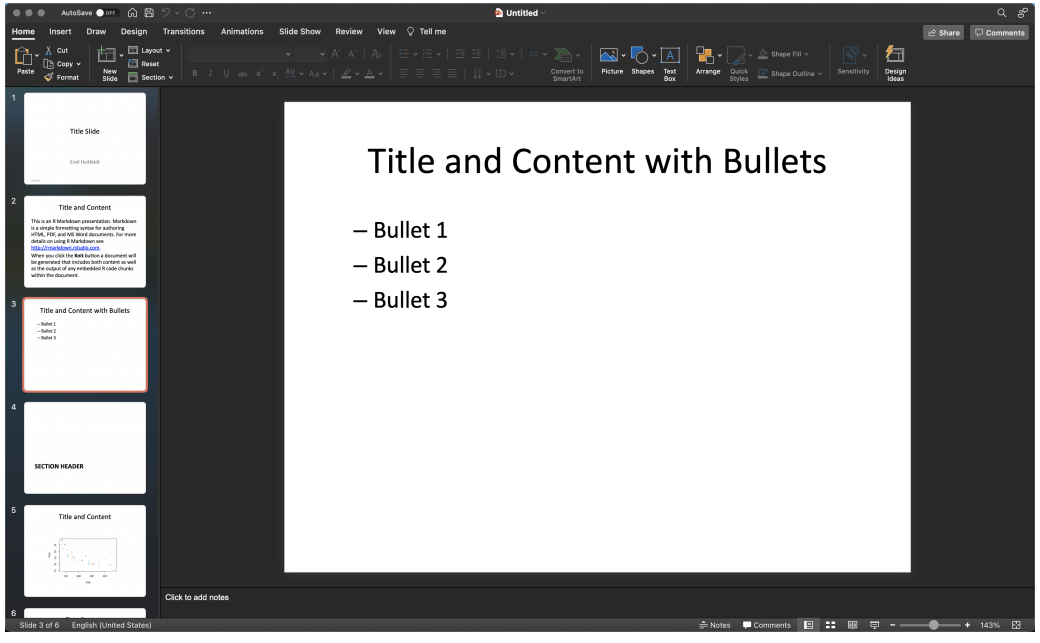
This is an R Markdown presentation. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document.
```

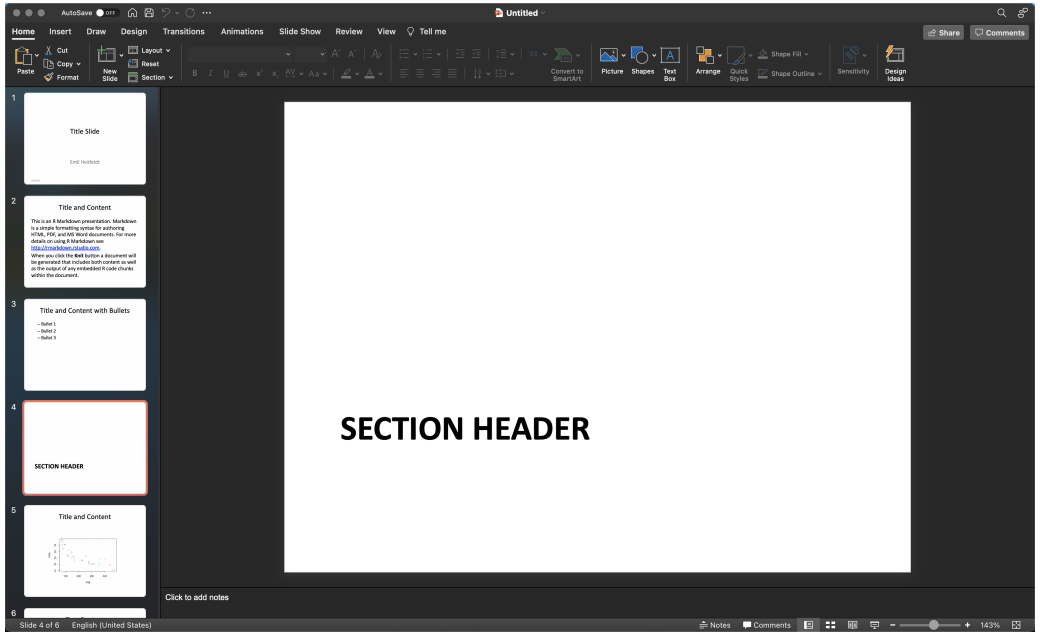


```
## Title and Content with Bullets

- Bullet 1
- Bullet 2
- Bullet 3
```

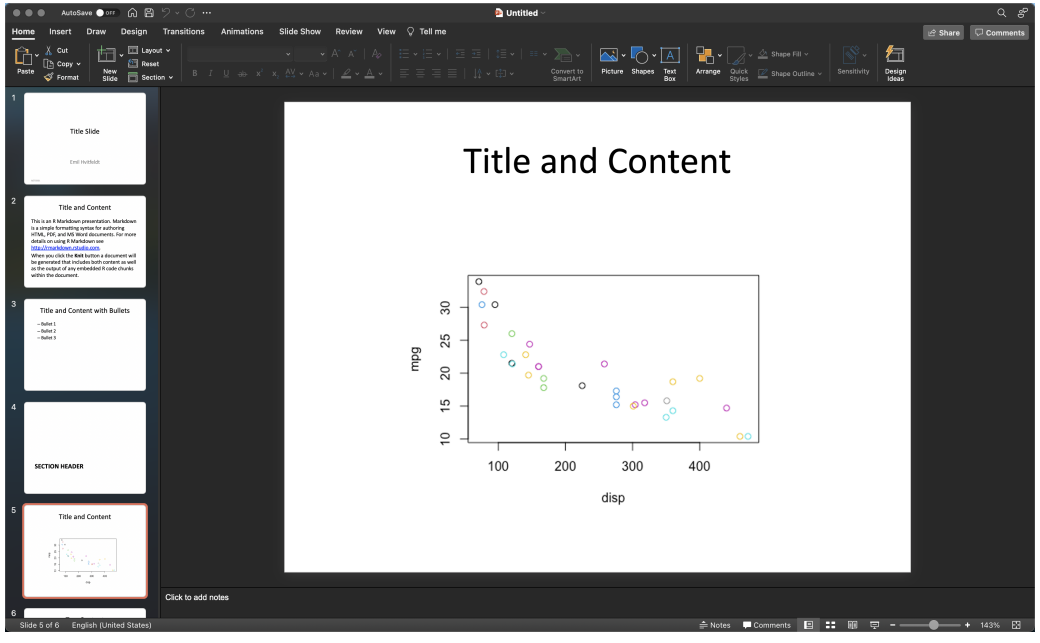


```
# Section Header
```



Title and Content

```{r}
plot(mpg ~ disp, col = hp, data = mtcars)
```



```
## Two Content

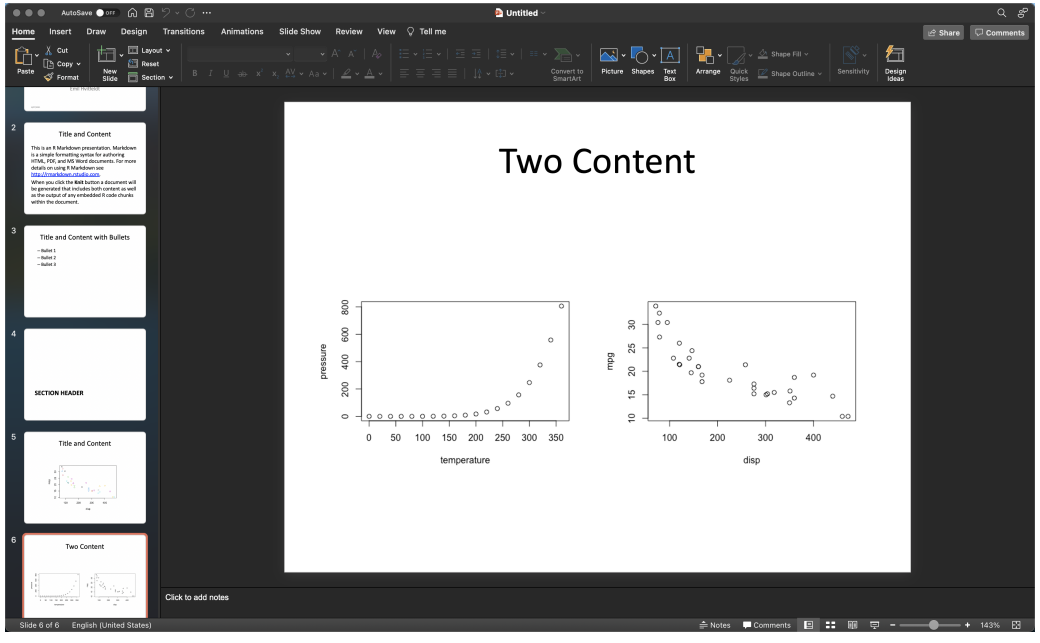
::::::: {.columns}
::: {.column}

```{r}
plot(pressure)
```

:::
::: {.column}

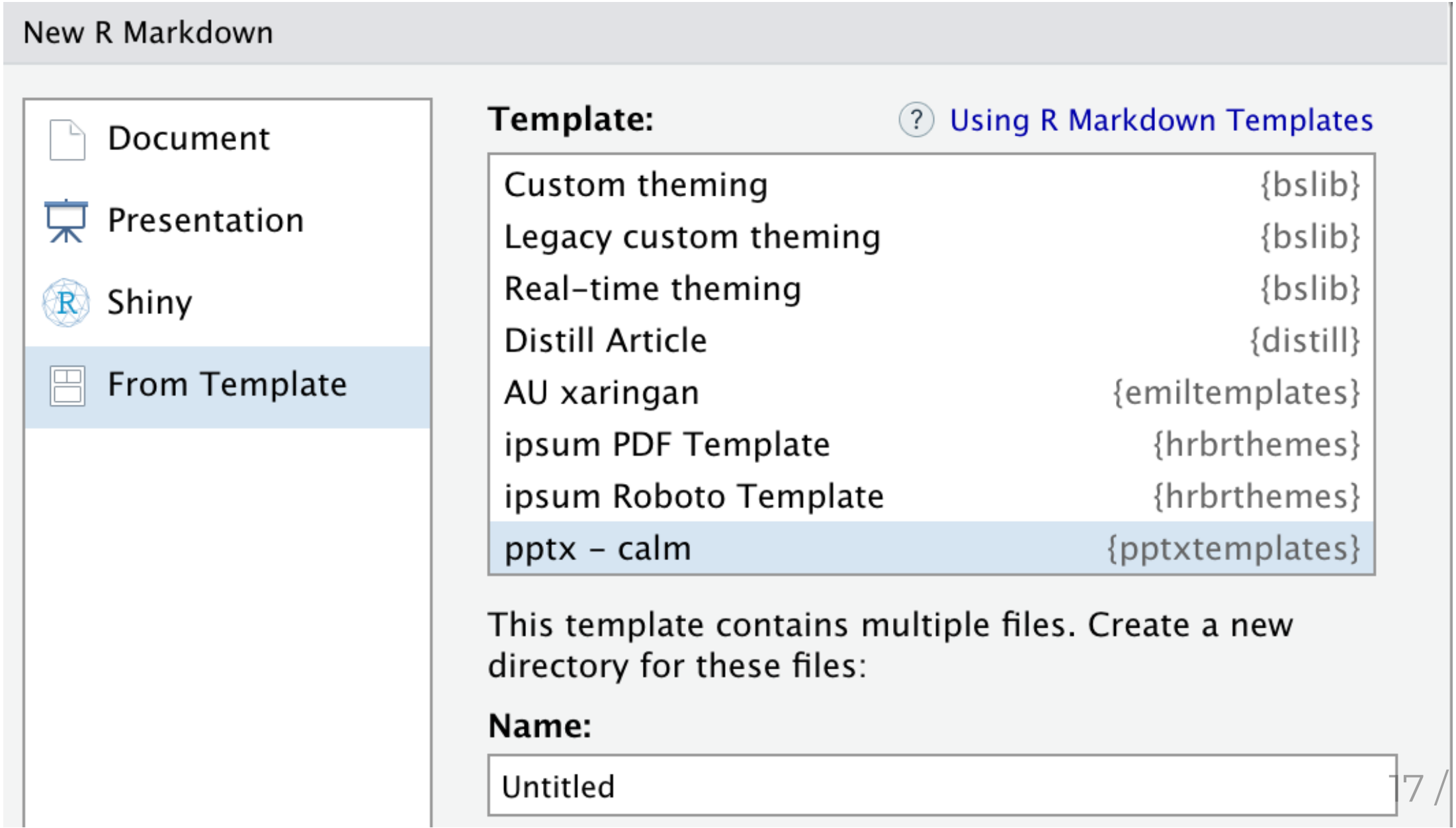
```{r}
plot(mpg ~ disp, data = mtcars)
```

:::
:::::::
```



pptxtemplates

```
# install.packages("devtools")
devtools::install_github("EmilHvitfeldt/pptxtemplates")
```


New R Markdown
Document
Presentation
Shiny
From Template
Template:
Using R Markdown Templates
Custom theming {bslib}
Legacy custom theming {bslib}
Real-time theming {bslib}
Distill Article {distill}
AU xaringan {emiltemplates}
ipsum PDF Template {hrbrthemes}
ipsum Roboto Template {hrbrthemes}
pptx - calm {pptxtemplates}
This template contains multiple files. Create a new directory for these files:
Name:
Untitled

````
---
title: "Edit: This is the title"
subtitle: "Edit: This is a subtitle"
output:
  powerpoint_presentation:
    reference_doc: "reference_doc.pptx"
---

```{r setup, include=FALSE}
library(knitr)
knitr::opts_chunk$set(echo = FALSE)

library(pptxtemplates)

content_dimensions <- pptx_content_dimensions("reference_doc.pptx")

opts_template$set(
  full = content_dimensions$full,
  left = content_dimensions$left,
  right = content_dimensions$right
)
```
````

Plot sizing

```
```{r, opts.label="full"}
plot(mpg ~ disp, col = hp, data = mtcars)
```
```

Thank you!

EmilHvitfeldt

@Emil_Hvitfeldt

emilhvitfeldt

https://www.emilhvitfeldt.com/

Slides created via the R package xaringan.