

Presentations in R Markdown

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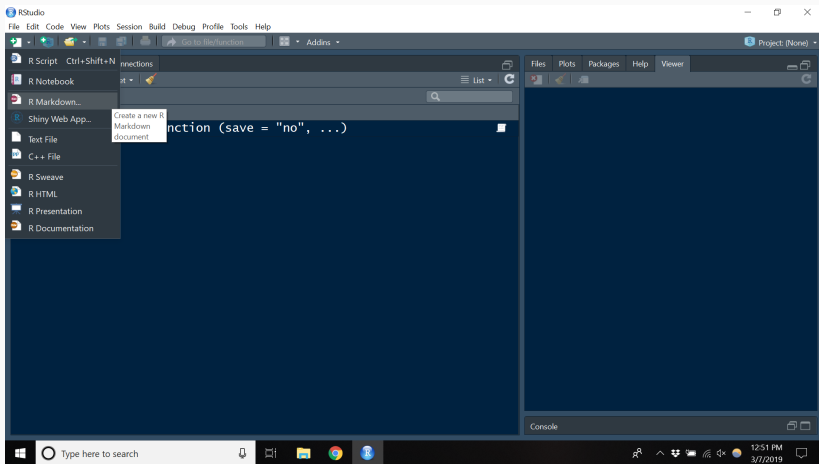
Learning Objectives

- Make beautiful presentations in R.
- Section 29.5 of [RDS](#).

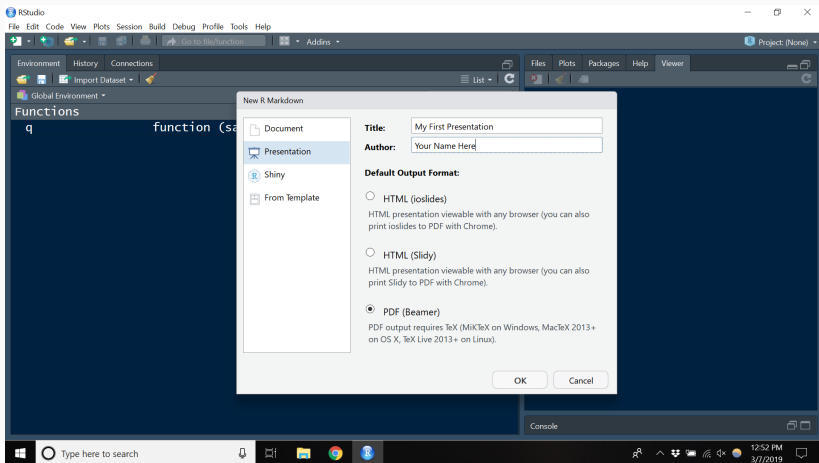
Background

- You can make a presentation using R Markdown.
- New slides are made with two hash tags `##` (instead of creating a header).
- Sections of a presentation are made with one hash tag `#`.
- Otherwise, just use the same code from R Markdown as before.

Create a New Presentation File



Create a New Presentation File



Types of Presentations

- The R Markdown output options of `ioslides_presentation` and `slidy_presentation` both create HTML presentations (with different styles).
- The R Markdown output option of `beamer_presentation` creates a PDF presentation.
- `powerpoint_presentation` outputs a powerpoint that you could then edit by hand.
- You can also download the `revealjs` and `rmdshower` packages to use the `revealjs::revealjs_presentation` and `rmdshower::shower_presentation` to get two other HTML styles.

- For PDF presentations, you can change the theme using the `theme` and `colortheme` YAML arguments.
- For a list of themes, see <https://hartwork.org/beamer-theme-matrix/>. The rows index the theme and the columns index the colortheme.

Beamer Themes

- Here is an example YAML header for the CambridgeUS theme and the seahorse colortheme.

```
---  
title: "Presentations in R Markdown"  
author: "David Gerard"  
date: "2019-03-07"  
output:  
  beamer_presentation:  
    theme: "CambridgeUS"  
    colortheme: "seahorse"  
urlcolor: "blue"  
---
```


Exercise

- Create your own presentation in R Markdown. The first slide contains code that calculates the mean arrival delay for each day in the year 2013 from the nycflights13 dataset.
- The second slide contains the plot (without R code) on the following slide.
- Make this presentation using different presentation styles available in R Markdown.

Exercise Plot

