Course title

Lecture title

Your name

University | Course code

Contents

Before you begin

This template is for knitting R Markdown documents to *both* HTML and PDF format. It tries to take care of various inconsistencies between the two formats with minimum effort from the user. Just click "Knit" (in Rstudio) and it will automatically export to both formats. As the name suggests, I predominantly use it for my lecture notes. But I find that it works well for writing papers too.

See the package README for a longer description, as well as potential gotchas and limitations (e.g. font support for different LaTeX engines).

Template features

Here are some examples of features not available in vanilla R Markdown and how to use them.

Multi-column environments

Multi-column environments are supported via's Pandoc's fenced_divs syntax and some preamble sugar (bundled together with the template). For example, a two-column section would look like this.

Here is some example **dplyr** code.

```
library(dplyr)

mtcars %>%
  group_by(am) %>%
  summarise(mean(mpg))
```

```
## # A tibble: 2 x 2
##      am `mean(mpg)`
##   <dbl>       <dbl>
## 1     0        17.1
## 2     1        24.4
```

And the **data.table** equivalent.

```
library(data.table)

mtcars_dt = as.data.table(mtcars)
mtcars_dt[, mean(mpg), by = am]
```

```
##    am       V1
## 1:  1 24.39231
## 2:  0 17.14737
```

The same idea can be extended to additional columns and the individual column widths are also adjustable.

Regression tables

I have fairly strong preferences about how regression tables should look (threeparttable FTW). Luckily, the fantastic **modelsummary** package has us covered for nice looking regression tables, particularly since it automatically supports different Rmd output formats and backends. (For example, via the equally excellent **kableExtra** package.) This makes it easy to produce regression tables that look good in both HTML and