# RMarkdown Template

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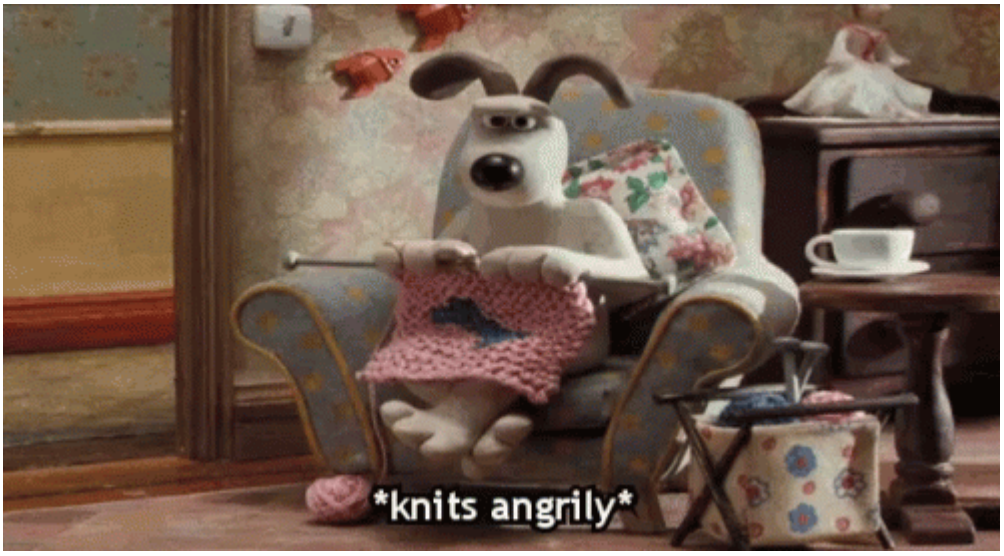
## Rmarkdown is awesome

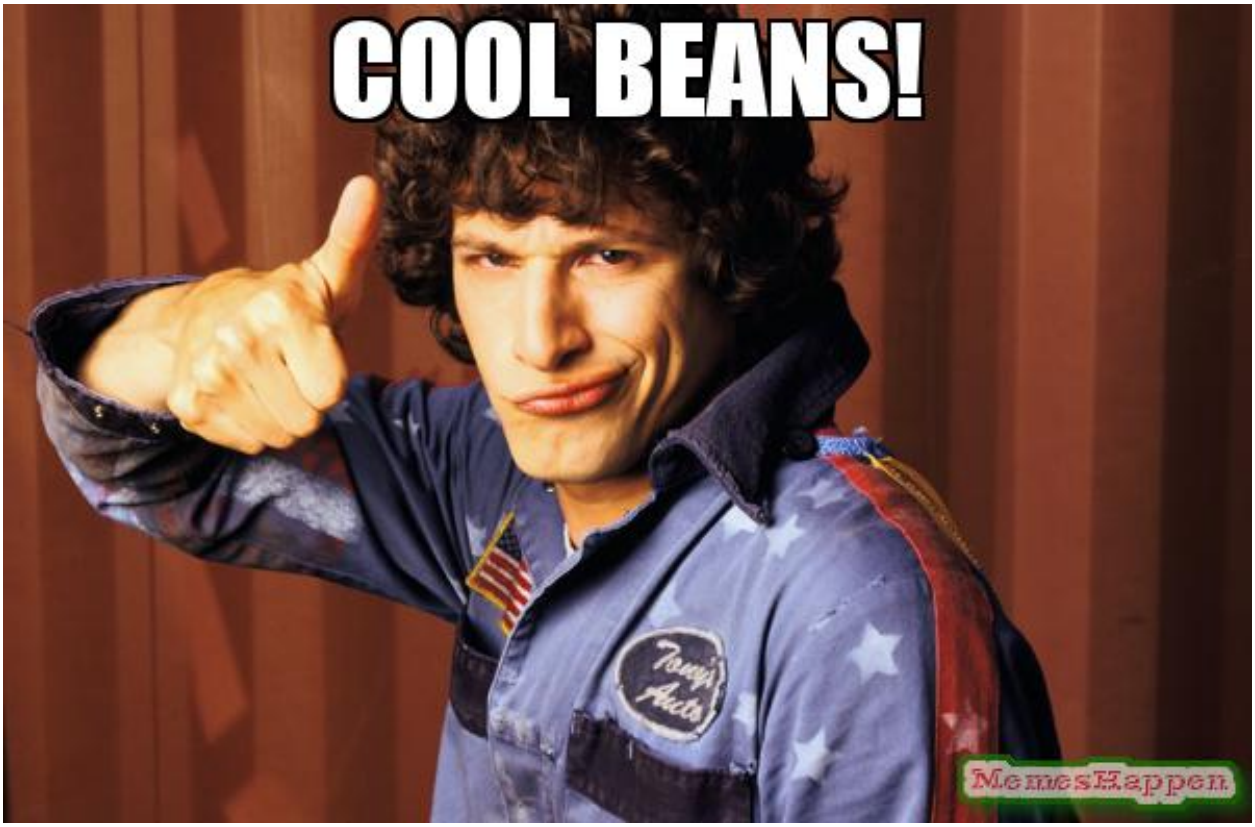
It make take a bit more time, but the flexibility that Rmarkdown gives you (and the aesthetics ) is unbeatable[1]. This file is meant to act as a template and it includes some basic comments (both here and in the accompanying .css file), so it can be easily customized.

Don't despair! You might start like this:




... But you'll end up like this:

[1] If you want to learn how to use emojis on your Rmarkdown files, go to https://github.com/hadley/emo




## Pagedown FTW

We are going to be using the package `pagedown`[2]. This is because it's very versatile for transforming documents that need to be printed (or exported into pdf) and also working on HTML. If you ever want to transition into making presentations in Rmarkdown (with `Xaringan`, of course), this will be an easy step. I also find css more manageable than the templates created for LaTeX.

## .css files are your best friend

I've included a `style.css` file that should be included in the same folder that your Rmarkdown file (for simplicity, I haven't included a path). There, you can make all aesthetic changes for your document (in css). The advantage is that you can just copy that file (or create new ones) for future Rmarkdown templates, and it's great!

[2]Go to https://rstudio.github.io/pagedown/ to read all about it!

# Let's see some examples

## How LaTeX works

Well, it works pretty much the same as LaTeX. Include inline equations like: $y_i = \beta_0 + \beta_1 \cdot x_i + \varepsilon_i$, or multiple line equations:

$$y_i = \beta_0 + \beta_1 x_{i1} + \beta_2 x_{i2} + \beta_3 x_{i3} + \tag{1}$$
$$\beta_4 x_{i4} + ... + \varepsilon_i \tag{2}$$

## Let's code

We can write some simple code, if we want to show it (*Tip: Include* `message=FALSE` *and* `warning=FALSE` *so you don't get that extra stuff when you run the code*):

```
data(cars)

lm(speed ~ dist, data = cars)
```

```
##
## Call:
## lm(formula = speed ~ dist, data = cars)
##
## Coefficients:
## (Intercept)         dist
##      8.2839       0.1656
```