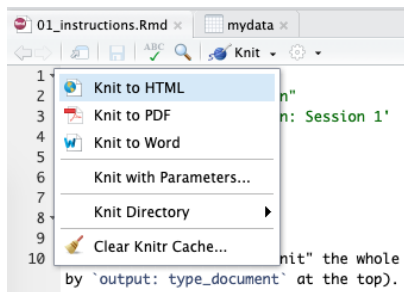# 08 - Markdown: exporting your R Notebook

Knit to three different formats
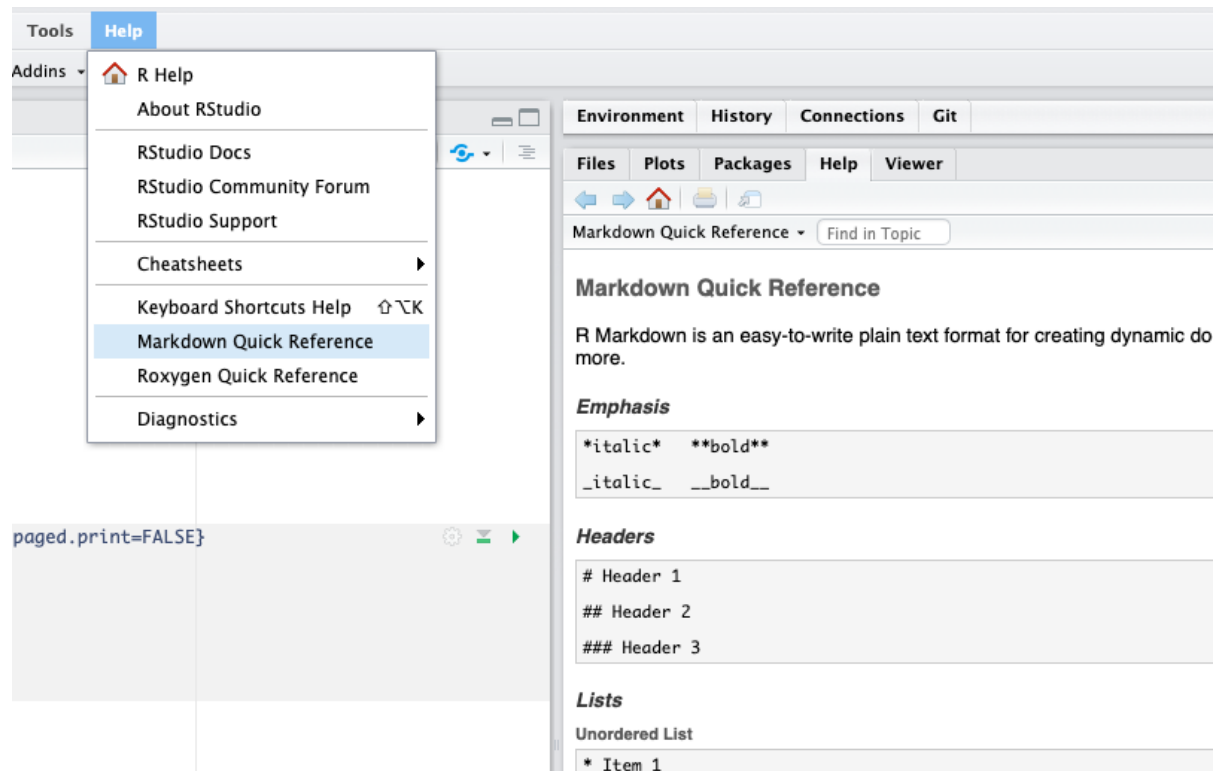
Open `08_exporting.Rmd` and Knit it into HTML, PDF, and then Word.

Control+Shift+K to "knit" the whole Rmd (RMarkdown) document. Or use the Knit button above, and the options there:
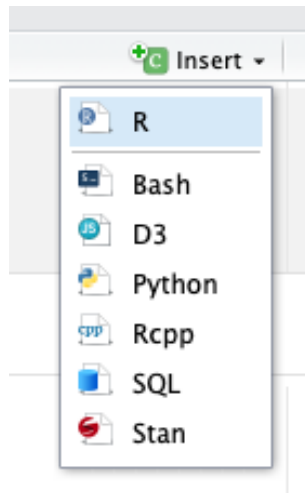

Markdown syntax

Open Markdown Quick reference:

New code chunk

Insert a new R code chunk:

Outputting tables, issues with different output formats

If knitting to HTML, your new table and our example table look similar, but if you knit to PDF, you will see that the first table is very nicely formatted, whereas the second one looks like something R would usually print show in the Console.

Solution: Add `%>% kable()` to get consistently better formatting in different formats.

```
mydata %>%
  slice(1:6) %>%
  knitr::kable()
```

`kable()` comes from `library(knitr)` which we had loaded at the top anyway, but we've also included `knitr::kable()` as a reminder.
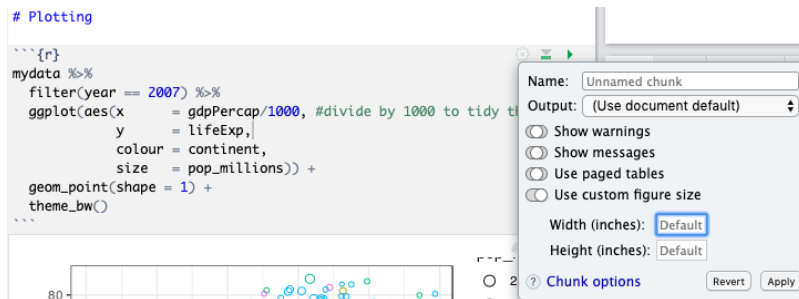
Inline R code

We can also include R code inside Markdown sentences using a single ' instead of three:

```
Number of variables: `r mydata %>% ncol()`.

Total number of observations: `r mydata %>% nrow()`.
```
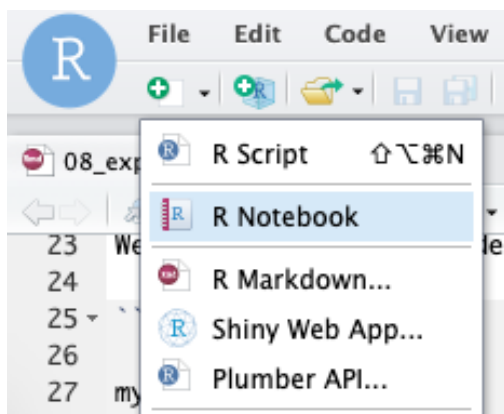
Changing the size of the figure in the output

Creating a new Markdown/Notebook document

Click on the little sheet with a green plus at the top-left corner of RStudio to create a new R Notebook document.

I then usually delete everything below the YAML header (so everything after the second `---`) and start adding content by copying chunks I've done previously (e.g. worked examples from this course).

For the quiz: Then save it (Ctrl+S) and give the new Rmd file a name, e.g. `00_healthyr_pop_quiz`.