**Basics of R Markdown**

Open the file RMarkdown\_Intro.Rmd

* Change the title of the Markdown Document from “ My First Markdown Document” to "RMarkdown Introduction".
* Click the "Knit" button to see the compiled version of your sample code.

Congratulations! You’ve just Knitted your 1st Rmd document!

Let’s formatted this document further by

* Changing the author of the document to your own name.
* Rewriting the first sentence of the document to say "This is my first R Markdown document."
* Recompile the document so you can see your changes?

You can turn a word into a link by surrounding it in hard brackets and then placing the link behind it in parentheses, like this: [RStudio] (www.rstudio.com)

* Make GitHub in the following paragraph link to <https://github.com/RLadiesManchester>

To embed formatting instructions into your document using Markdown, you would surround text by:

* one asterisks to make it *italic*: \*italic\*;
* two asterisks to make it **bold**: \*\*bold\*\* and
* backticks to make it monospaced: `monospaced`.

To make an ordered list you need to place each item on a new line after a number followed by a period followed by a space:

1. order list
2. item 2

Note that you need to place a blank line between the list and any paragraphs that come before it.

* Make the following paragraph in your Rmd document look like this:

The variables can be one of two broad types:

1) **Attribute variable**: has its outcomes described in terms of its characteristics or attributes;

2) **Measured variable**: has the resulting outcome expressed in numerical terms.

* Make word Knit in the following paragraph bold.

To embed an R code chunk you would use three back ticks:

```{r}

chunk of code

```

* Replace the **cars** data set with the **mtcars** data set.

You can also embed plots by setting `**echo = FALSE**` to the code chunk to prevent printing of the R code that generates the plot:

```{r, echo=FALSE}

chunk of code

```

* Replace the boxplot of mpg vs. cyl by a scatter plot to examine a relationship between mpg and weight.

Finally, if you wish to add mathematical equations to your Markdown document you can easily embed [LaTeX](https://en.wikibooks.org/wiki/LaTeX/Mathematics) math equations into your report.

To display equation in its own line it needs to be surrounded by double dollar symbol $$y = a + bx$$, or to embed an equation in line within the text you would use only one dollar symbol: $y = a + bx$.

* Display the equation into it’s own line.

Congratulations! You have got the basics to start creating your own fabulous dynamic documents…