

Communciating with Data via R Markdown

Challenge 1: Tables

4th October 2019

- A **pdf** document uses latex under the hood to compile a **.tex** file to **pdf**.
- In latex a table is written as (see source Rmd file)

Var1	Var2
1	2
3	4

- A markdown table is written as (see source Rmd file)

Var1	Var2
1	2
3	4

- A table can be created by using **knitr**'s **kable** function as below:

```
df <- data.frame(Var1 = c(1, 3),  
                 Var2 = c(2, 4))  
knitr::kable(df)
```

Var1	Var2
1	2
3	4

This is a html table:

Var1

Var2

1

2

3

4

Challenges

1. **knit** this document to get a pdf output
2. Change this document output format to **html**.
3. **What happened to the table written in latex?**
4. Try writing an equivalent **html** table and compile it to both **html** and **pdf** output.

Advanced challenge

Can you **knit** this document to both **html** and **pdf** simultaneously?

(We'll learn this later.)