RMD Html Template

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Abstract

This file contains my default setup for a PDF rmarkdown file, with explanations. PDF files are easy to share, but it is harder to display some information such as tables.

Contents

1 Setup

This file contains my default setup for a PDF rmarkdown file.

2 YAML

The beginning of the file is the 'yaml block' which tells R how you want the file written. It is very picky, frankly. Here is the one I use for pdf documents:

```
---
title: "RMD PDF Template"
author: "Matthew Peverill"
date: "12/11/2019"
abstract: "This file contains my default setup for a PDF rmarkdown file, with explanations. PDF files are easy to share, but it is harder
output:
  pdf_document:
```

```
    toc: yes
    toc_depth: 3
    number_sections: true
    df_print: kable
    latex_engine: xelatex
classoption: landscape
---
```

3 Printing Tables

I recommend using landscape for PDF files because getting tables and code to fit is a pain otherwise. Make sure your code doesn't get too long: latex will not wrap your code since it's preformatted.

You can print tables, but if they are too wide things will break:

```
head(mtcars)
```

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

Alternatively, use pander to prepare the table. This will do some nice things like rounding and line wrapping, but it may wrap the table when you don't want it to. The 'table.split.table' determines how many characters are allowed before the table gets split. This is what happens when it's too small:

```
panderOptions("table.split.table",60)
pander(head(mtcars))
```

Table 2: Table continues below

	mpg	cyl	disp	hp	drat	wt
Mazda RX4	21	6	160	110	3.9	2.6
Mazda RX4 Wag	21	6	160	110	3.9	2.9
Datsun 710	23	4	108	93	3.8	2.3

	mpg	cyl	disp	hp	drat	wt
Hornet 4 Drive	21	6	258	110	3.1	3.2
Hornet Sportabout	19	8	360	175	3.1	3.4
Valiant	18	6	225	105	2.8	3.5

	qsec	vs	am	gear	carb
Mazda RX4	16	0	1	4	4
Mazda RX4 Wag	17	0	1	4	4
Datsun 710	19	1	1	4	1
Hornet 4 Drive	19	1	0	3	1
Hornet Sportabout	17	0	0	3	2
Valiant	20	1	0	3	1

This is a more liberal setting:

```
panderOptions("table.split.table",130)
pander(head(mtcars))
```

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21	6	160	110	3.9	2.6	16	0	1	4	4
Mazda RX4 Wag	21	6	160	110	3.9	2.9	17	0	1	4	4
Datsun 710	23	4	108	93	3.8	2.3	19	1	1	4	1
Hornet 4 Drive	21	6	258	110	3.1	3.2	19	1	0	3	1
Hornet Sportabout	19	8	360	175	3.1	3.4	17	0	0	3	2
Valiant	18	6	225	105	2.8	3.5	20	1	0	3	1

3.1 Sample Heading 1

3.2 Sample Heading 2

3.2.1 TOC only goes down 2 levels.