

# Test Auto-yaml and Tab sets

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## 1 Purpose

To test:

- auto-inclusion of the `_output.yaml` file;
- tabsets

Key packages used:

- base R - for the basics (R Core Team 2016)
- knitr - to create this document (Xie 2016)

## 2 Auto-yaml

Anything below (within) the `output:` container seems to be OK in the yaml file. But the ordering seems to matter so it refuses to knit to pdf if you have html first in the yaml file. But not title, author etc. nor the bibliography option. Which is all a bit of a pain... don't use it until understand it better!

Would be helpful if we could have a global `~/output.yaml` file which is over-ridden on a script by script basis?

## 3 Tabset Heading

This is really very useful...

### 3.1 mtcars

```
kable(caption = "mtcars",
      summary(mtcars)
)
```

Table 1: mtcars

mpg	cyl	disp	hp	drat	wt	qsec	
Min. :10.40	Min. :4.000	Min. : 71.1	Min. : 52.0	Min. :2.760	Min. :1.513	Min. :14.50	Min. :14.50
1st Qu.:15.43	1st Qu.:4.000	1st Qu.:120.8	1st Qu.: 96.5	1st Qu.:3.080	1st Qu.:2.581	1st Qu.:16.89	1st Qu.:16.89
Median :19.20	Median :6.000	Median :196.3	Median :123.0	Median :3.695	Median :3.325	Median :17.71	Median :17.71
Mean :20.09	Mean :6.188	Mean :230.7	Mean :146.7	Mean :3.597	Mean :3.217	Mean :17.85	Mean :17.85
3rd Qu.:22.80	3rd Qu.:8.000	3rd Qu.:326.0	3rd Qu.:180.0	3rd Qu.:3.920	3rd Qu.:3.610	3rd Qu.:18.90	3rd Qu.:18.90
Max. :33.90	Max. :8.000	Max. :472.0	Max. :335.0	Max. :4.930	Max. :5.424	Max. :22.90	Max. :22.90

### 3.2 ChickWeight

```
kable(caption = "ChickWeight",
      summary(ChickWeight)
)
```

Table 2: ChickWeight

weight	Time	Chick	Diet
Min. : 35.0	Min. : 0.00	13 : 12	1:220
1st Qu.: 63.0	1st Qu.: 4.00	9 : 12	2:120
Median :103.0	Median :10.00	20 : 12	3:120
Mean :121.8	Mean :10.72	10 : 12	4:118
3rd Qu.:163.8	3rd Qu.:16.00	17 : 12	NA
Max. :373.0	Max. :21.00	19 : 12	NA
NA	NA	(Other):506	NA

### 3.3 PlantGrowth

```
kable(caption = "PlantGrowth",
      summary(PlantGrowth)
)
```

Table 3: PlantGrowth

weight	group
Min. :3.590	ctrl:10
1st Qu.:4.550	trt1:10
Median :5.155	trt2:10
Mean :5.073	NA
3rd Qu.:5.530	NA
Max. :6.310	NA

## References

- R Core Team. 2016. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Xie, Yihui. 2016. *Knitr: A General-Purpose Package for Dynamic Report Generation in R*. <https://CRAN.R-project.org/package=knitr>.