Table edit

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Contents

There are three table obtained through `walk` here.

Here first, I'm going to reference first table 1, the second follows 2.

```
knitr::kable(head(iris), caption = "\\label{tab:table-first}Header data iris", format = "latex", booktab
  kableExtra::kable_styling(latex_options = c("HOLD_position"))
```

Table 1: Header data iris

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

```
knitr::kable(tail(iris), caption = "\\label{tab:table-second}Tail data iris", format = "latex", booktabs
  kableExtra::kable_styling(latex_options = c("HOLD_position"))
```

Table 2: Tail data iris

	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
145	6.7	3.3	5.7	2.5	virginica
146	6.7	3.0	5.2	2.3	virginica
147	6.3	2.5	5.0	1.9	virginica
148	6.5	3.0	5.2	2.0	virginica
149	6.2	3.4	5.4	2.3	virginica
150	5.9	3.0	5.1	1.8	virginica

Let us refer to Cylinder number 4 table as Table 3, Cylinder number 6 table as Table 4 and Cylinder number 8 table as Table 5.

```
mtcars %>%
  mutate(cyl = factor(cyl)) %>%
  group_by(cyl) %>%
  do(model = lm(mpg ~ hp, .)) %>%
  mutate(rsqu = summary(model)$`r.squared`) %>%
  broom::tidy(model) %>%
  split(f = .$cyl) %>%
  walk2(.y = c("\\label{tab:cyl4}This is cylinder number 4",
```

```
                 "\\label{tab:cyl6}This is cylinder number 6",
                 "\\label{tab:cyl8}This is cylinder number 8"),
        .f = ~ knitr::kable(.x, format = "latex",
                        booktabs = TRUE,
                        caption = .y,
                        align = "c") %>%
        kableExtra::kable_styling(position = "center", latex_options = "HOLD_position") %>%
        print())
```

Table 3: This is cylinder number 4

cyl	rsqu	term	estimate	std.error	statistic	p.value
4	0.2740558	(Intercept)	35.9830256	5.2012961	6.918088	0.0000693
4	0.2740558	hp	-0.1127759	0.0611825	-1.843271	0.0983986

Table 4: This is cylinder number 6

cyl	rsqu	term	estimate	std.error	statistic	p.value
6	0.0161462	(Intercept)	20.6738511	3.3044289	6.2564066	0.0015296
6	0.0161462	hp	-0.0076133	0.0265776	-0.2864543	0.7860202

Table 5: This is cylinder number 8

cyl	rsqu	term	estimate	std.error	statistic	p.value
8	0.0804492	(Intercept)	18.0800737	2.9875567	6.051793	0.0000574
8	0.0804492	hp	-0.0142441	0.0139018	-1.024622	0.3257538

```
# mtcars %>%
#   group_by(cyl) %>%
#   do(model = lm(mpg ~ hp, .)) %>%
#   do(data.frame(
#   var = names(coef(.$model)),
#   coef(summary(.$model)))
# )
#
# models <- mtcars %>%
#   group_by(cyl) %>%
#   do(
#   mod_linear = lm(mpg ~ disp, data = .),
#   mod_quad = lm(mpg ~ poly(disp, 2), data = .)
# )
#
# models
# compare <- models %>% do(aov = anova(.$mod_linear, .$mod_quad))
# compare %>% mutate(p.value = aov$`Pr(>F)`[[2]])
```