# Control width of kable tables with kableExtra

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While `kable` can easily produce tables in RMarkdown reports, they are fairly generic and can be awkwardly wide.

```
mtcars %>%
   group_by(cyl) %>%
   count %>%
   kable()
```

| cyl | n |
| --- | --- |
| 4 | 11 |
| 6 | 7 |
| 8 | 14 |

`kableExtra` offers many formatting options not available in `kable`, but `kableExtra` can only work with *html formatted* tables generated by `kable`.

```
# Set your knitr table format as a global option for the file
options(knitr.table.format = "html")
```

Controlling "style width" can alter table width.

```
mtcars %>%
   group_by(cyl) %>%
   count %>%
   kable(align = "r", table.attr = "style='width:15%'")
```

| cyl | n |
| --- | --- |
| 4 | 11 |
| 6 | 7 |
| 8 | 14 |

`kableExtra::kable_styling` is super useful for controlling table width, font size, and many other features.

```
mtcars %>%
  group_by(cyl) %>%
  count %>%
  kable(align = "r") %>%
  kable_styling(bootstrap_options = "striped", full_width = F,
    font_size = 14, position = "left")
```

| cyl | n |
|----:|---:|
| 4 | 11 |
| 6 | 7 |
| 8 | 14 |

`position = "float_....."` allows you wrap text around your table.

```
mtcars %>%
  group_by(cyl) %>%
  count %>%
  kable(align = "r") %>%
  kable_styling(bootstrap_options = "striped", full_width = F,
    font_size = 14, position = "float_left")
```

| cyl | n |
|----:|---:|
| 4 | 11 |
| 6 | 7 |
| 8 | 14 |

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```
mtcars %>%
  lm(mpg ~ wt * cyl, .) %>%
  summary() %>%
  coef() %>%
  kable(align = "l", digits = 2) %>%
  kable_styling(bootstrap_options = "striped") %>%
  add_footnote("You can add a footnote")
```

|             | Estimate | Std. Error | t value | Pr(>|t|) |
|-------------|----------|------------|---------|----------|
| (Intercept) | 54.31    | 6.13       | 8.86    | 0.00     |
| wt          | -8.66    | 2.32       | -3.73   | 0.00     |
| cyl         | -3.80    | 1.01       | -3.78   | 0.00     |

| | Estimate | Std. Error | t value | Pr(>|t|) |
|---|---|---|---|---|
| wt:cyl | 0.81 | 0.33 | 2.47 | 0.02 |

[a] You can add a footnote

# Miscelaneous tips

You can set `knitr` tables to "html" as a global option (see first chunk) or per each table as in chunk below.

```
mtcars %>%
  group_by(cyl) %>%
  count %>%
  kable(format = "html", align = "r")
```

| cyl | n |
|---|---|
| 4 | 11 |
| 6 | 7 |
| 8 | 14 |

Adjusting chunk options does not change table format.

```
mtcars %>%
  group_by(cyl) %>%
  count %>%
  kable(align = "r")
```

| cyl | n |
|---|---|
| 4 | 11 |
| 6 | 7 |
| 8 | 14 |

# References

Great website on kableExtra (http://haozhu233.github.io/kableExtra/awesome_table_in_html.html)