# `tinytable`: **PDF documents**

```r
library(tinytable)
options(tt_latexOptions_placement = "H")
options(tt_output_default = "latex")
x <- mtcars[1:4, 1:5]
```

```r
tt(x) |> style_row(2, color = "blue", background = "pink")
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```r
tt(x) |>
  style_column(1:2, color = "white", background = "black", bold = TRUE, italic = TRUE)
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| *21* | *6* | 160 | 110 | 3.9 |
| *21* | *6* | 160 | 110 | 3.9 |
| *22.8* | *4* | 108 | 93 | 3.85 |
| *21.4* | *6* | 258 | 110 | 3.08 |

```r
tt(x) |> style_row(italic = TRUE, bold = TRUE, color = "blue", background = "pink")
```

| mpg | cyl | disp | hp | drat |
|---|---|---|---|---|
| *21* | *6* | *160* | *110* | *3.9* |
| *21* | *6* | *160* | *110* | *3.9* |
| *22.8* | *4* | *108* | *93* | *3.85* |
| *21.4* | *6* | *258* | *110* | *3.08* |

```r
tt(x) |> style_column(background = "green", color = "white") |> cat(file = "~/Downloads/tr
```

```r
tt(x) |>
  style_row(2, latex = latexOptions(cmd = "\\LARGE\\texttt")) |>
  style_column(2, latex = latexOptions(cmd = "\\footnotesize\\texttt"))
```

| mpg | cyl | disp | hp | drat |
|---|---|---|---|---|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```r
tt(x) |> style_column(c(1, 4), italic = TRUE)
```

| mpg | cyl | disp | hp | drat |
|---|---|---|---|---|
| *21* | 6 | 160 | *110* | 3.9 |
| *21* | 6 | 160 | *110* | 3.9 |
| *22.8* | 4 | 108 | *93* | 3.85 |
| *21.4* | 6 | 258 | *110* | 3.08 |

```r
tt(x) |> style_row(2:3, background = "olive", color = "white")
```

| mpg | cyl | disp | hp | drat |
|---|---|---|---|---|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```
tt(x) |> style_row(2:3,
  latex = latexOptions(
    cmd = "\\texttt"
  ))
```

| mpg | cyl | disp | hp | drat |
|---|---|---|---|---|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```
tt(x, latex = latexOptions(theme = "grid"))
```

| mpg | cyl | disp | hp | drat |
|---|---|---|---|---|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```
tt(x,
  latex = latexOptions(
    theme = "void",
    hlines = "dotted,fg=blue",
    vlines = "dashed,fg=red,wd=1pt")
)
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```
tt(x)
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

## Themes

`tinytable` includes three basic "themes" for LaTeX tables: `"booktabs"` (default), `"grid"`, and `"void"`. The theme can be selected using the `latexOptions()` function.

```
tt(x, latex = latexOptions(theme = "booktabs"))
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```
tt(x, latex = latexOptions(theme = "grid"))
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

```
tt(x, latex = latexOptions(theme = "void"))
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |

The "void" theme can be useful when combined with the hline* and vline* arguments. For example:

```
tt(x,
  latex = latexOptions(
    theme = "void",
    hline = c("1,6", "fg=orange,wd=2pt"),
    hline = c("2", "fg=orange,wd=1pt"),
    vlines = "dotted,fg=olive,wd=1pt",
  )
)
```

| mpg | cyl | disp | hp | drat |
|------|-----|------|-----|------|
| 21 | 6 | 160 | 110 | 3.9 |
| 21 | 6 | 160 | 110 | 3.9 |
| 22.8 | 4 | 108 | 93 | 3.85 |
| 21.4 | 6 | 258 | 110 | 3.08 |