

Title

Subtitle

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1 Section 1

You can use the usual '\$' for mathematical expressions within a text $Y_t=a+bX+Y_1+\epsilon$ or indent with '\$\$'

$$Y_t = a + bX + Y_1 + \epsilon$$

1.1 Subsection

Subsection: Use citations like I. Quartones [1] and Y. Quartini [2].

2 Table options

model	hp	mpg_c	mpg_h	msrp
458 Speciale	597	13	17	291744
458 Spider	562	13	17	263553
458 Italia	562	13	17	233509
488 GTB	661	15	22	245400
California	553	16	23	198973
GTC4Lusso	680	12	17	298000
FF	652	11	16	295000
F12Berlinetta	731	11	16	319995





Large Landmasses of the World

The top ten largest are presented

	· · · · · · · · · · · · · · · · · · ·	
name		size
Asia		16988
Africa		11506
North America		9390
South America		6795
Antarctica		5500
Europe		3745
Australia		2968
Greenland		840
New Guinea		306
Borneo		280

Source: The World Almanac and Book of Facts, 1975, page 406.

Reference: McNeil, D. R. (1977) Interactive Data Analysis. Wiley.

3 Raw typst

For raw typst code you can use **typst chunks**. Raw typst coding might be useful in tables, because you can use R output in typst chunks:

```
value_1 <- 1
value_2 <- 2
value_3 <- 3
value_4 <- 4</pre>
```

Hypothesis	Group	Assumed value
Null hypothesis	Control arm	1
Null hypothesis	Experimental arm	2
Alternative hypothesis 1	Control arm	3
Alternative hypothesis 1	Combined dosage arms	4





3.1 Tinytable

The *tinytable* packages table allows typst-specific table layout, for example, colouring:

```
library(tidyverse)
library(tinytable)
output <- tibble(kpi=c(1,1,2,5), center=c("A", "B", "C", "D"))</pre>
output$kpi_ind <- NA</pre>
output$kpi ind[output$kpi==1] <- 1</pre>
output$kpi_ind[output$kpi>1 & output$kpi<=2] <- 2</pre>
output$kpi_id[output$kpi>2 & output$kpi<=4] <- 3
output$kpi_ind[output$kpi>4] <- 4
output$kpi_ind <- factor(output$kpi_ind, levels=1:4,</pre>
                          labels=c("#ff0000", "#ffa500", "#90ee90", "#32cd32"))
output_colours <- rep(as.character(output$kpi_ind), 1)</pre>
no_rows <- nrow(output)</pre>
colour_column <- ncol(output)-1</pre>
output <- output |> select(!kpi_ind) |> tt() |>
  format_tt(digits=2) |> style_tt(i=0, bold=T)
for (i in 1:nrow(output)) {
    output <- output |> style_tt(i = i,
                                   j = colour_column,
                                   background = output_colours[i],
                                   color = "black")
}
output
```

kpi	center
1	Α
1	В
2	С
5	D

4 Revision history

Version	Date	Revision changes
0	Date	





5 Reproducibility

R packages used in the analysis:

```
options(width = 90)
sessionInfo()
```

```
R version 4.2.3 (2023-03-15)
Platform: x86_64-apple-darwin17.0 (64-bit)
Running under: macOS Big Sur ... 10.16
Matrix products: default
       /Library/Frameworks/R.framework/Versions/4.2/Resources/lib/libRblas.0.dylib
LAPACK: /Library/Frameworks/R.framework/Versions/4.2/Resources/lib/libRlapack.dylib
[1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
attached base packages:
[1] stats
             graphics grDevices utils
                                             datasets methods
                                                                 base
other attached packages:
 [1] tinytable_0.5.0 lubridate_1.9.3 forcats_1.0.0 stringr_1.5.1
                                                                      purrr 1.0.2
                                     tibble_3.2.1 ggplot2_3.5.1 tidyverse_2.0.0
 [6] readr_2.1.5
                     tidyr_1.3.1
[11] dplyr_1.1.4
                     gt_0.11.1
loaded via a namespace (and not attached):
[1] tidyselect_1.2.1 xrun_v...
[5] vctrs_0.6.5 generics_0.1.3 htmltools_0.5
[9] base64enc_0.1-3 utf8_1.2.4 rlang_1.1.4
alue 1.8.0 withr_3.0.1
                                                            colorspace 2.1-1
                                         htmltools_0.5.8.1 yaml_2.3.10
                                                            pillar_1.9.0
[13] later_1.3.2
                                                            lifecycle 1.0.4
                                                            evaluate_1.0.1
[17] munsell_0.5.1
                      commonmark_1.9.2 gtable_0.3.5
                      tzdb_0.4.0
[21] knitr_1.48
                                         fastmap_1.2.0
                                                            ps 1.8.0
                                          Rcpp_1.0.13
[25] markdown 1.13
                       fansi 1.0.6
                                                            scales 1.3.0
[29] jsonlite_1.8.9
                                                            digest_0.6.37
                       farver_2.1.2
                                         hms_1.1.3
[33] stringi_1.8.4
                       processx_3.8.4
                                         grid 4.2.3
                                                            cli 3.6.3
[37] tools_4.2.3
                       magrittr_2.0.3
                                          sass_0.4.9
                                                            pkgconfig_2.0.3
[41] xml2_1.3.6
                       timechange_0.3.0 rmarkdown_2.28
                                                            rstudioapi_0.17.0
[45] R6 2.5.1
                       compiler 4.2.3
```

Bibliography

- [1] I. Quartones, "Quarto use is associated with best survival A retrospective single person study," Quartelsevier, 2021.
- [2] Y. Quartini, "A life without Quarto? No way!." Springuarto, 2022.

