

# Surprising html, pdf, and docx rendering behavior with R gt table objects

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## 1 Environment

- Windows 10 x64 (build 22598)
- R version 4.1.3 (2022-03-10)
- RStudio-2022.06.0-daily-310.exe
- quarto-0.9.282-win.msi
- gt \* 0.4.0 2022-02-15 [1] CRAN (R 4.1.2)

## 2 SHOW gt object but do not save

- as html, text and table render
- as pdf, text and table render
- as docx, text renders but table does NOT render(!)

```
tab <- df %>%  
  mutate(type="SHOW gt object but do NOT save") %>%  
  gt() %>%  
  cols_label(rank="Rank", money="Amount")
```

tab

Rank	Amount	type
1	100	SHOW gt object but do NOT save
2	200	SHOW gt object but do NOT save
3	300	SHOW gt object but do NOT save
4	400	SHOW gt object but do NOT save
5	500	SHOW gt object but do NOT save
6	600	SHOW gt object but do NOT save
7	700	SHOW gt object but do NOT save
8	800	SHOW gt object but do NOT save
9	900	SHOW gt object but do NOT save
10	1000	SHOW gt object but do NOT save

### 3 SAVE gt object but do NOT show

- as html, text renders, and table object renders (!), differently, as if retrieved from file
- as pdf, same as html
- as docx, same as html

```
tab <- df %>%  
  mutate(type="SAVE gt object but do NOT show") %>%  
  gt() %>%  
  cols_label(rank="Rank", money="Amount")  
  
gtsave(tab, "tab.png")
```

Rank	Amount	type
1	100	SAVE gt object but do NOT show
2	200	SAVE gt object but do NOT show
3	300	SAVE gt object but do NOT show
4	400	SAVE gt object but do NOT show
5	500	SAVE gt object but do NOT show
6	600	SAVE gt object but do NOT show
7	700	SAVE gt object but do NOT show
8	800	SAVE gt object but do NOT show
9	900	SAVE gt object but do NOT show
10	1000	SAVE gt object but do NOT show

## 4 Retrieve and SHOW previously saved gt object

- as html, table object renders, but differently than when created and shown
- as pdf, same as html
- as docx, same as html

Rank	Amount	type
1	100	SAVE gt object but do NOT show
2	200	SAVE gt object but do NOT show
3	300	SAVE gt object but do NOT show
4	400	SAVE gt object but do NOT show
5	500	SAVE gt object but do NOT show
6	600	SAVE gt object but do NOT show
7	700	SAVE gt object but do NOT show
8	800	SAVE gt object but do NOT show
9	900	SAVE gt object but do NOT show
10	1000	SAVE gt object but do NOT show

## 5 Sessioninfo

```
sessionInfo()
```

```
R version 4.1.3 (2022-03-10)
Platform: x86_64-w64-mingw32/x64 (64-bit)
Running under: Windows 10 x64 (build 22598)
```

```
Matrix products: default
```

```
locale:
```

```
[1] LC_COLLATE=English_United States.1252
[2] LC_CTYPE=English_United States.1252
[3] LC_MONETARY=English_United States.1252
[4] LC_NUMERIC=C
[5] LC_TIME=English_United States.1252
```

```
attached base packages:
```

```
[1] stats      graphics  grDevices  utils      datasets  methods    base
```

```
other attached packages:
```

```
[1] gt_0.4.0          forcats_0.5.1    stringr_1.4.0    dplyr_1.0.8
[5] purrr_0.3.4       readr_2.1.2      tidyr_1.2.0      tibble_3.1.6
[9] ggplot2_3.3.5     tidyverse_1.3.1
```

```
loaded via a namespace (and not attached):
```

```
[1] tidymodels_1.1.2 xfun_0.30        haven_2.5.0      colorspace_2.0-3
[5] vctrs_0.4.1       generics_0.1.2   htmltools_0.5.2  yaml_2.3.5
[9] utf8_1.2.2        rlang_1.0.2      pillar_1.7.0     glue_1.6.2
[13] withr_2.5.0       DBI_1.1.2        dbplyr_2.1.1     modelr_0.1.8
[17] readxl_1.4.0      lifecycle_1.0.1  munsell_0.5.0    gtable_0.3.0
[21] cellranger_1.1.0 rvest_1.0.2      evaluate_0.15    knitr_1.38.3
[25] callr_3.7.0       tzdb_0.3.0       fastmap_1.1.0    ps_1.6.0
[29] fansi_1.0.3       broom_0.8.0      checkmate_2.0.0  backports_1.4.1
[33] scales_1.2.0      webshot_0.5.3    jsonlite_1.8.0   fs_1.5.2
[37] hms_1.1.1         digest_0.6.29    stringi_1.7.6    processx_3.5.3
[41] grid_4.1.3        cli_3.2.0        tools_4.1.3      sass_0.4.1
[45] magrittr_2.0.3    crayon_1.5.1     pkgconfig_2.0.3  ellipsis_0.3.2
[49] xml2_1.3.3        reprex_2.0.1     lubridate_1.8.0  assertthat_0.2.1
[53] rmarkdown_2.13    httr_1.4.2       rstudioapi_0.13  R6_2.5.1
[57] compiler_4.1.3
```