

R Table Package Testing

Compatability of tables produced from R packages and quarto→pandoc→latex conversions

Comparisons of the translated tables created from the following R packages in a quarto doc: -
`gt` - `kableExtra` - `flextable`

We know that `kableExtra` has functions to format a table to latex, but I am not sure the table that is visualized in an R chunk gets translated the same. We also know that `flextable` tables rendered in a quarto doc can not be tagged and contain misc. extra formatting (according to Gemini). The formatting from `flextable` is also very difficult to manually read and debug.

I know nothing of `gt` tables.

Testing

Example data: `tidyr::table2`

Make tables from example data (unformatted)

`gt`

`kableExtra`

Table 2: Table produced from `kableExtra::kable`.

country	year	type	count
Afghanistan	1999	cases	745
Afghanistan	1999	population	19987071
Afghanistan	2000	cases	2666
Afghanistan	2000	population	20595360

country	year	type	count
Brazil	1999	cases	37737
Brazil	1999	population	172006362
Brazil	2000	cases	80488
Brazil	2000	population	174504898
China	1999	cases	212258
China	1999	population	1272915272
China	2000	cases	213766
China	2000	population	1280428583

`flextable`

Table 4: Table produced from flextable.

country	year	type	count
Afghanistan	1,999	cases	745
Afghanistan	1,999	population	19,987,071
Afghanistan	2,000	cases	2,666
Afghanistan	2,000	population	20,595,360
Brazil	1,999	cases	37,737
Brazil	1,999	population	172,006,362
Brazil	2,000	cases	80,488
Brazil	2,000	population	174,504,898
China	1,999	cases	212,258
China	1,999	population	1,272,915,272
China	2,000	cases	213,766
China	2,000	population	1,280,428,583

Note: On first render, the tables are placed out of order and in random sections.

Table 1: Table produced from gt R package.

country	year	type	count
Afghanistan	1999	cases	745
Afghanistan	1999	population	19987071
Afghanistan	2000	cases	2666
Afghanistan	2000	population	20595360
Brazil	1999	cases	37737
Brazil	1999	population	172006362
Brazil	2000	cases	80488
Brazil	2000	population	174504898
China	1999	cases	212258
China	1999	population	1272915272
China	2000	cases	213766
China	2000	population	1280428583

Table 3: Table produced from kableExtra::kbl.

country	year	type	count
Afghanistan	1999	cases	745
Afghanistan	1999	population	19987071
Afghanistan	2000	cases	2666
Afghanistan	2000	population	20595360
Brazil	1999	cases	37737
Brazil	1999	population	172006362
Brazil	2000	cases	80488
Brazil	2000	population	174504898
China	1999	cases	212258
China	1999	population	1272915272
China	2000	cases	213766
China	2000	population	1280428583

Results

Efforts for a solution

Final Note: