kable_testing

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R Markdown

```
library(knitr)
library(kableExtra)

kable(mtcars[1:10, 1:6], format = "latex", caption = "I need this left-aligned.", booktabs = T)

kable(head(iris), format = "pandoc")
```

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

```
kable(head(iris), format = "html")
```

Sepal.Length

 ${\bf Sepal. Width}$

Petal. Length

Petal. Width

Species

5.1

3.5

1.4

0.2

setosa

4.9

3.0

1.4

0.2

setosa

Table 1: I need this left-aligned.

sp hp drat wt
.0 110 3.90 2.620

```
4.7
```

3.2

1.3

0.2

setosa

4.6

3.1

1.5

0.2

setosa

5.0

3.6

1.4

0.2

setosa

5.4

3.9

1.7

0.4

setosa

kable(head(iris), format = "pandoc", caption = "Title of the table")

Table 3: Title of the table

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

```
kable(head(iris), format = "html", caption = "Title of the table")
```

Title of the table

Sepal.Length

 ${\bf Sepal. Width}$

Petal.Length

Petal.Width

Species

5.1 3.5 1.4 0.2 setosa 4.9 3.0 1.4 0.2 setosa4.73.2 1.3 0.2setosa4.6 3.1 1.5 0.2 setosa5.0 3.6 1.4 0.2 setosa5.4 3.9 1.7 0.4 setosa# use the booktabs package

use the booktabs package
kable(mtcars, format = "pandoc", booktabs = TRUE)

m	pg cy	l d	isp h	p dr	at	wt q	sec vs	am	ge	ar ca	$^{\mathrm{rb}}$
Mazda RX4	21.0	6	160.0	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108.0	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258.0	110	3.08	3.215	19.44	1	0	3	1

m	рд су	l d	isp h	p dr	at	wt q	sec vs	am	ge	ar ca	rb
Hornet Sportabout	18.7	8	360.0	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225.0	105	2.76	3.460	20.22	1	0	3	1
Duster 360	14.3	8	360.0	245	3.21	3.570	15.84	0	0	3	4
Merc 240D	24.4	4	146.7	62	3.69	3.190	20.00	1	0	4	2
Merc 230	22.8	4	140.8	95	3.92	3.150	22.90	1	0	4	2
Merc 280	19.2	6	167.6	123	3.92	3.440	18.30	1	0	4	4
Merc 280C	17.8	6	167.6	123	3.92	3.440	18.90	1	0	4	4
Merc 450SE	16.4	8	275.8	180	3.07	4.070	17.40	0	0	3	3
Merc 450SL	17.3	8	275.8	180	3.07	3.730	17.60	0	0	3	3
Merc 450SLC	15.2	8	275.8	180	3.07	3.780	18.00	0	0	3	3
Cadillac Fleetwood	10.4	8	472.0	205	2.93	5.250	17.98	0	0	3	4
Lincoln Continental	10.4	8	460.0	215	3.00	5.424	17.82	0	0	3	4
Chrysler Imperial	14.7	8	440.0	230	3.23	5.345	17.42	0	0	3	4
Fiat 128	32.4	4	78.7	66	4.08	2.200	19.47	1	1	4	1
Honda Civic	30.4	4	75.7	52	4.93	1.615	18.52	1	1	4	2
Toyota Corolla	33.9	4	71.1	65	4.22	1.835	19.90	1	1	4	1
Toyota Corona	21.5	4	120.1	97	3.70	2.465	20.01	1	0	3	1
Dodge Challenger	15.5	8	318.0	150	2.76	3.520	16.87	0	0	3	2
AMC Javelin	15.2	8	304.0	150	3.15	3.435	17.30	0	0	3	2
Camaro Z28	13.3	8	350.0	245	3.73	3.840	15.41	0	0	3	4
Pontiac Firebird	19.2	8	400.0	175	3.08	3.845	17.05	0	0	3	2
Fiat X1-9	27.3	4	79.0	66	4.08	1.935	18.90	1	1	4	1
Porsche 914-2	26.0	4	120.3	91	4.43	2.140	16.70	0	1	5	2
Lotus Europa	30.4	4	95.1	113	3.77	1.513	16.90	1	1	5	2
Ford Pantera L	15.8	8	351.0	264	4.22	3.170	14.50	0	1	5	4
Ferrari Dino	19.7	6	145.0	175	3.62	2.770	15.50	0	1	5	6
Maserati Bora	15.0	8	301.0	335	3.54	3.570	14.60	0	1	5	8
Volvo 142E	21.4	4	121.0	109	4.11	2.780	18.60	1	1	4	2

```
# use the longtable package
kable(matrix(1000, ncol = 5), format = "pandoc", digits = 2, longtable = TRUE)
```

```
1000 1000 1000 1000 1000
```

```
# change LaTeX default table environment
kable(head(iris), format = "pandoc", caption = "My table", table.envir = "table*")
```

Table 6: My table

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

```
# add some table attributes
kable(head(iris), format = "html", table.attr = "id=\"mytable\"")
```

Sepal.Length
Sepal.Width
Petal.Length
Petal.Width
Species
5.1
3.5
1.4
0.2
setosa
4.9
3.0
1.4
0.2
setosa
4.7
3.2
1.3
0.2
setosa
4.6
3.1
1.5
0.2
setosa
5.0
3.6
1.4
0.2
setosa

5.43.91.70.4setosa

reST output kable(head(mtcars), format = "rst")

=== ==== ===== ==== === === ====

```
# no row names
kable(head(mtcars), format = "rst", row.names = FALSE)
```

R Markdown/Github Markdown tables
kable(head(mtcars[, 1:5]), format = "markdown")

	mpg	cyl	disp	hp	drat
Mazda RX4	21.0	6	160	110	3.90
Mazda RX4 Wag	21.0	6	160	110	3.90
Datsun 710	22.8	4	108	93	3.85
Hornet 4 Drive	21.4	6	258	110	3.08
Hornet Sportabout	18.7	8	360	175	3.15
Valiant	18.1	6	225	105	2.76

no inner padding kable(head(mtcars), format = "markdown", padding = 0)

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

more padding kable(head(mtcars), format = "markdown", padding = 2)

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

```
# Pandoc tables
kable(head(mtcars), format = "pandoc", caption = "Title of the table")
```

Table 10: Title of the table

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

```
# format numbers using , as decimal point, and ' as thousands separator
x = as.data.frame(matrix(rnorm(60, 1e+06, 10000), 10))
kable(x, format.args = list(decimal.mark = ",", big.mark = "'"))
```

V1	V2	V3	V4	V5	V6
1'000'709,7	1'013'203,8	999'754,2	999'846,8	1'002'006,8	1'005'526,2
992'511,1	1'010'202,9	996'963,2	999'216,7	1'000'205,0	991'327,4
1'006'491,6	981'615,6	994'183,0	993'998,4	999'628,8	992'922,5
1'028'084,4	995'200,2	1'015'186,0	997'102,3	1'005'535,1	994'901,0
1'003'269,3	990'353,9	1'005'916,2	994'116,4	998'648,9	1'009'031,3
1'007'880,8	994'131,9	1'008'683,4	1'012'816,0	987'604,3	1'006'115,9
994'723,9	1'008'643,9	1'000'530,9	990'097,4	991'011,1	995'426,2
1'018'858,2	992'301,8	999'956,6	980'805,2	1'002'701,2	1'016'576,9
1'015'938,8	1'009'869,1	1'004'685,1	1'012'285,6	994'672,8	1'006'329,4
998'452,8	1'002'124,3	1'014'381,8	994'685,9	1'005'553,3	998'716,2

```
# save the value
x = kable(mtcars, format = "html")
cat(x, sep = "\n")
```

```
## 
##
<thead>
##

##
##
  mpg 
  cyl 
##
##
  disp 
##
  hp 
  drat 
##
##
  wt 
  qsec 
##
##
  vs 
##
  am 
##
  gear 
  carb 
##
 ##
```

```
## </thead>
## 
##
 ##
  Mazda RX4 
##
  21.0 
##
  6 
##
  160.0 
  110 
##
##
  3.90 
##
  2.620 
##
  16.46 
##
  0 
##
  1 
##
  4 
##
  4 
##
 ##
 ##
  Mazda RX4 Wag 
##
  21.0 
##
  6 
##
  160.0 
##
  110 
  3.90 
##
  2.875 
##
##
  17.02 
  0 
##
##
  1 
  4 
##
##
  4 
##
 ##
 ##
  Datsun 710 
  22.8 
##
##
  4 
##
  108.0 
##
  93 
##
  3.85 
##
  2.320 
##
  18.61 
##
  1 
##
  1 
  4 
##
  1 
##
##
 ##
 ##
  Hornet 4 Drive 
##
  21.4 
##
  6 
##
  258.0 
##
  110 
##
  3.08 
##
  3.215 
##
  19.44 
##
  1
```

```
##
  0 
##
  3 
  1 
##
##
 ##
##
  Hornet Sportabout 
##
  18.7 
##
  8 
##
  360.0 
##
  175 
##
  3.15 
  3.440 
##
  17.02 
##
##
  0 
##
  0 
##
  3 
##
  2 
##
 ##
  Valiant 
##
##
  18.1 
##
  6 
  225.0 
##
##
  105 
##
  2.76 
##
  3.460 
##
  20.22 
  1 
##
##
  0 
  3 
##
##
  1 
##
 ##
  Duster 360 
##
  14.3 
##
##
  8 
##
  360.0 
##
  245 
##
  3.21 
  3.570 
##
##
  15.84 
##
  0 
  0 
##
##
  3 
##
  4 
##
 ##
 ##
  Merc 240D 
##
  24.4 
  4 
##
##
  146.7 
  62 
##
##
  3.69 
  3.190 
##
```

```
##
  20.00 
##
  1 
  0 
##
  4 
##
##
  2 
##
 ##
 ##
  Merc 230 
##
  22.8 
##
  4 
##
  140.8 
##
  95 
  3.92 
##
##
  3.150 
##
  22.90 
##
  1 
##
  0 
##
  4 
##
  2 
##
 ##
 <t.r>
##
  Merc 280 
##
  19.2 
##
  6 
##
  167.6 
##
  123 
##
  3.92 
  3.440 
##
  18.30 
##
  1 
##
##
  0 
##
  4 
  4 
##
##
 ##
  Merc 280C 
##
##
  17.8 
##
  6 
##
  167.6 
  123 
##
##
  3.92 
##
  3.440 
  18.90 
##
##
  1 
  0 
##
  4 
##
  4 
##
##
 ##
  Merc 450SE 
##
##
  16.4 
  8 
##
##
  275.8 
  180 
##
```

```
##
  3.07 
##
  4.070 
  17.40 
##
  0 
##
##
  0 
##
  3 
##
  3 
##
 ##
 ##
  Merc 450SL 
##
  17.3 
  8 
##
  275.8 
##
##
  180 
##
  3.07 
##
  3.730 
##
  17.60 
##
  0 
##
  0 
##
  3 
##
  3 
##
 ##
 ##
  Merc 450SLC 
##
  15.2 
##
  8 
##
  275.8 
  180 
##
  3.07 
##
  3.780 
##
##
  18.00 
##
  0 
##
  0 
##
  3 
##
  3 
##
 ##
 ##
  Cadillac Fleetwood 
##
  10.4 
  8 
##
##
  472.0 
##
  205 
  2.93 
##
##
  5.250 
  17.98 
##
  0 
##
  0 
##
##
  3 
##
  4 
##
 ##
 ##
  Lincoln Continental 
##
  10.4 
  8 
##
```

```
##
  460.0 
##
  215 
##
  3.00 
  5.424 
##
##
  17.82 
  0 
##
  0 
##
  3 
##
##
  4 
##
 ##
  Chrysler Imperial 
##
  14.7 
##
  8 
##
##
  440.0 
##
  230 
##
  3.23 
##
  5.345 
##
  17.42 
##
  0 
##
  0 
##
  3 
  4 
##
##
 ##
 ##
  Fiat 128 
##
  32.4 
  4 
##
##
  78.7 
##
  66 
##
  4.08 
##
  2.200 
  19.47 
##
##
  1 
##
  1 
##
  4 
##
  1 
##
 ##
 ##
  Honda Civic 
  30.4 
##
  4 
##
  75.7 
##
  52 
##
##
  4.93 
  1.615 
##
##
  18.52 
  1 
##
##
  1 
##
  4 
##
  2 
##
 ##
 ##
  Toyota Corolla
```

```
##
  33.9 
##
  4 
##
  71.1 
##
  65 
##
  4.22 
##
  1.835 
##
  19.90 
  1 
##
##
  1 
##
  4 
##
  1 
##
 ##
 ##
  Toyota Corona 
##
  21.5 
##
  4 
##
  120.1 
##
  97 
##
  3.70 
##
  2.465 
##
  20.01 
##
  1 
  0 
##
##
  3 
##
  1 
##
 ##
  Dodge Challenger 
##
  15.5 
##
  8 
##
##
  318.0 
##
  150 
  2.76 
##
##
  3.520 
##
  16.87 
##
  0 
##
  0 
##
  3 
##
  2 
##
 ##
 ##
  AMC Javelin 
  15.2 
##
##
  8 
  304.0 
##
  150 
##
  3.15 
##
##
  3.435 
##
  17.30 
  0 
##
##
  0 
  3 
##
##
  2 
##
```

```
##
 ##
  Camaro Z28 
##
  13.3 
  8 
##
##
  350.0 
##
  245 
##
  3.73 
  3.840 
##
##
  15.41 
##
  0 
  0 
##
##
  3 
##
  4 
##
 ##
 ##
  Pontiac Firebird 
##
  19.2 
##
  8 
##
  400.0 
##
  175 
##
  3.08 
##
  3.845 
  17.05 
##
  0 
##
##
  0 
  3 
##
##
  2 
##
 ##
  Fiat X1-9 
##
##
  27.3 
##
  4 
##
  79.0 
##
  66 
##
  4.08 
##
  1.935 
##
  18.90 
##
  1 
##
  1 
##
  4 
##
  1 
##
 ##
 ##
  Porsche 914-2 
##
  26.0 
  4 
##
  120.3 
##
##
  91 
##
  4.43 
  2.140 
##
##
  16.70 
##
  0 
##
  1 
##
  5
```

```
##
  2 
##
 ##
 ##
  Lotus Europa 
##
  30.4 
##
  4 
##
  95.1 
##
  113 
##
  3.77 
##
  1.513 
##
  16.90 
##
  1 
##
  1 
##
  5 
##
  2 
##
 ##
 ##
  Ford Pantera L 
##
  15.8 
##
  8 
##
  351.0 
##
  264 
  4.22 
##
  3.170 
##
##
  14.50 
##
  0 
##
  1 
  5 
##
##
  4 
##
 ##
 ##
  Ferrari Dino 
  19.7 
##
##
  6 
##
  145.0 
##
  175 
##
  3.62 
##
  2.770 
##
  15.50 
##
  0 
##
  1 
  5 
##
  6 
##
##
 ##
 ##
  Maserati Bora 
##
  15.0 
##
  8 
##
  301.0 
  335 
##
##
  3.54 
  3.570 
##
##
  14.60 
  0 
##
```

```
 1 
##
##
  5 
##
  8 
##
 ##
 ##
  Volvo 142E 
  21.4 
##
  4 
##
  121.0 
##
##
  109 
##
  4.11 
##
  2.780 
##
  18.60 
  1 
##
##
  1 
##
  4 
##
  2 
 ##
## 
##
```

can also set options(knitr.table.format = 'html') so that the output is HTML