latex-06-mtcars

Create a display table based on `mtcars` (Motor Trend Car Road Test).

```r
gt(mtcars, rownames_to_stub = TRUE) %>%
  cols_align(
    align = "right",
    columns = vars(disp, vs)
  ) %>%
  tab_spanner(
    label = md("*group_a*"),
    columns = vars(mpg, cyl, disp, hp)
  ) %>%
  tab_spanner(
    label = md("*group_b*"),
    columns = vars(drat, wt, qsec, vs, am, gear, carb)
  ) %>%
  cols_move_to_start(columns = vars(hp)) %>%
  cols_move_to_end(columns = vars(am, gear)) %>%
  cols_hide(columns = vars(carb)) %>%
  cols_move(columns = vars(wt, carb, qsec), after = vars(gear)) %>%
  tab_row_group(
    group = "Mercs",
    rows = c(
      "Merc 240D", "Merc 230", "Merc 280C", "Merc 280",
      "Merc 450SE", "Merc 450SL", "Merc 450SLC")
  ) %>%
  tab_row_group(
    group = "Supercars",
    rows = c("Ferrari Dino", "Maserati Bora", "Porsche 914-2", "Ford Pantera L")
  ) %>%
  row_group_order(groups = c("Supercars", "Mercs")) %>%
  fmt_number(
    columns = vars(disp, drat, wt),
    decimals = 2
  ) %>%
  fmt_number(
    columns = vars(qsec, wt),
    decimals = 3,
    rows = starts_with("Merc")
  ) %>%
  fmt_number(
    columns = vars(mpg),
    decimals = 1
  ) %>%
  tab_header(
    title = md("The **mtcars** dataset"),
    subtitle = md("[A rather famous *Motor Trend* table]")
  ) %>%
  tab_source_note(
    source_note = md("Main Source of Data: *Henderson and Velleman* (1981).")
  ) %>%
```

```r
tab_source_note(
  source_note = md("Original Data: *Motor Trend Magazine* (1974).")
) %>%
tab_stubhead_label(label = md("*car*")) %>%
tab_footnote(
  footnote = "*Really* fast quarter mile.",
  locations = cells_data(
    columns = vars(qsec),
    rows = "Ford Pantera L")
) %>%
tab_footnote(
  footnote = "Massive hp.",
  locations = cells_data(
    columns = vars(hp),
    rows = "Maserati Bora")
) %>%
tab_footnote(
  footnote = "Excellent gas mileage.",
  locations = cells_data(
    columns = 1,
    rows = "Toyota Corolla")
) %>%
tab_footnote(
  footnote = "Worst speed ever.",
  locations = cells_data(
    columns = vars(qsec),
    rows = "Merc 230")
) %>%
cols_label(
  hp = md("*HP*"),
  qsec = "QMT, seconds"
)
```

The **mtcars** dataset

[A rather famous *Motor Trend* table]

car	group_a				group_b					
	HP	mpg	cyl	disp	drat	vs	am	gear	wt	QMT, seconds
Supercars										
Porsche 914-2	91	26.0	4	120.30	4.43	0	1	5	2.14	16.70
Ford Pantera L	264	15.8	8	351.00	4.22	0	1	5	3.17	14.50[1]
Ferrari Dino	175	19.7	6	145.00	3.62	0	1	5	2.77	15.50
Maserati Bora	335[2]	15.0	8	301.00	3.54	0	1	5	3.57	14.60
Mercs										
Merc 240D	62	24.4	4	146.70	3.69	1	0	4	3.190	20.000
Merc 230	95	22.8	4	140.80	3.92	1	0	4	3.150	22.900[3]
Merc 280	123	19.2	6	167.60	3.92	1	0	4	3.440	18.300
Merc 280C	123	17.8	6	167.60	3.92	1	0	4	3.440	18.900
Merc 450SE	180	16.4	8	275.80	3.07	0	0	3	4.070	17.400
Merc 450SL	180	17.3	8	275.80	3.07	0	0	3	3.730	17.600
Merc 450SLC	180	15.2	8	275.80	3.07	0	0	3	3.780	18.000

Mazda RX4	110	21.0	6	160.00	3.90	0	1	4	2.62	16.46
Mazda RX4 Wag	110	21.0	6	160.00	3.90	0	1	4	2.88	17.02
Datsun 710	93	22.8	4	108.00	3.85	1	1	4	2.32	18.61
Hornet 4 Drive	110	21.4	6	258.00	3.08	1	0	3	3.21	19.44
Hornet Sportabout	175	18.7	8	360.00	3.15	0	0	3	3.44	17.02
Valiant	105	18.1	6	225.00	2.76	1	0	3	3.46	20.22
Duster 360	245	14.3	8	360.00	3.21	0	0	3	3.57	15.84
Cadillac Fleetwood	205	10.4	8	472.00	2.93	0	0	3	5.25	17.98
Lincoln Continental	215	10.4	8	460.00	3.00	0	0	3	5.42	17.82
Chrysler Imperial	230	14.7	8	440.00	3.23	0	0	3	5.34	17.42
Fiat 128	66	32.4	4	78.70	4.08	1	1	4	2.20	19.47
Honda Civic	52	30.4	4	75.70	4.93	1	1	4	1.61	18.52
Toyota Corolla	65	33.9[4]	4	71.10	4.22	1	1	4	1.83	19.90
Toyota Corona	97	21.5	4	120.10	3.70	1	0	3	2.46	20.01
Dodge Challenger	150	15.5	8	318.00	2.76	0	0	3	3.52	16.87
AMC Javelin	150	15.2	8	304.00	3.15	0	0	3	3.44	17.30
Camaro Z28	245	13.3	8	350.00	3.73	0	0	3	3.84	15.41
Pontiac Firebird	175	19.2	8	400.00	3.08	0	0	3	3.85	17.05
Fiat X1-9	66	27.3	4	79.00	4.08	1	1	4	1.94	18.90
Lotus Europa	113	30.4	4	95.10	3.77	1	1	5	1.51	16.90
Volvo 142E	109	21.4	4	121.00	4.11	1	1	4	2.78	18.60

[1] *Really* fast quarter mile.
[2] Massive hp.
[3] Worst speed ever.
[4] Excellent gas mileage.

Main Source of Data: *Henderson and Velleman* (1981).
Original Data: *Motor Trend Magazine* (1974).