

Trellised Radar Plot:
A multidimensional Table 1 ‘at-a-glance’

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Built-in dataset 'mtcars'
10 Variables 32 Observations

mpg : Miles per gallon

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
32	0	25	0.999	20.09	6.796	12.00	14.34	15.43	19.20	22.80	30.09	31.30

lowest : 10.4 13.3 14.3 14.7 15.0, highest: 26.0 27.3 30.4 32.4 33.9

cyl

n	missing	distinct
32	0	3

4-cyl (11, 0.344), 6-cyl (7, 0.219), 8-cyl (14, 0.438)

disp : Displacement [in³]

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
32	0	27	0.999	230.7	142.5	77.35	80.61	120.83	196.30	326.00	396.00	449.00

lowest : 71.1 75.7 78.7 79.0 95.1, highest: 360.0 400.0 440.0 460.0 472.0

hp : Gross horsepower

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
32	0	22	0.997	146.7	77.04	63.65	66.00	96.50	123.00	180.00	243.50	253.55

lowest : 52 62 65 66 91, highest: 215 230 245 264 335

drat : Rear axle ratio

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
32	0	22	0.997	3.597	0.6099	2.853	3.007	3.080	3.695	3.920	4.209	4.314

lowest : 2.76 2.93 3.00 3.07 3.08, highest: 4.08 4.11 4.22 4.43 4.93

wt : Weight [lb/1000]

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
32	0	29	0.999	3.217	1.089	1.736	1.956	2.581	3.325	3.610	4.048	5.293

lowest : 1.51 1.61 1.83 1.94 2.14, highest: 3.85 4.07 5.25 5.34 5.42

qsec : 1/4 mile time [sec]

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
32	0	30	1	17.85	2.009	15.05	15.53	16.89	17.71	18.90	19.99	20.10

lowest : 14.5 14.6 15.4 15.5 15.8, highest: 19.9 20.0 20.0 20.2 22.9

am

n	missing	distinct
32	0	2

automatic (19, 0.594), manual (13, 0.406)

gear

n	missing	distinct
32	0	3

3-speed (15, 0.469), 4-speed (12, 0.375), 5-speed (5, 0.156)

carb : Number of carburetors

n	missing	distinct	Info	Mean	Gmd
32	0	6	0.929	2.812	1.718

lowest : 1 2 3 4 6, highest: 2 3 4 6 8

1 (7, 0.219), 2 (10, 0.312), 3 (3, 0.094), 4 (10, 0.312), 6 (1, 0.031), 8 (1, 0.031)

Table 1: Descriptive Statistics by cyl

	4-cyl <i>N</i> = 11	6-cyl <i>N</i> = 7	8-cyl <i>N</i> = 14
Miles per gallon	26.0	19.7	15.2
Displacement in^3	108.0	167.6	350.5
Gross horsepower	91.0	110.0	192.5
Rear axle ratio	4.08	3.90	3.12
Weight $\text{lb}/1000$	2.20	3.21	3.75

a b c represent the lower quartile *a*, the median *b*, and the upper quartile *c* for continuous variables.

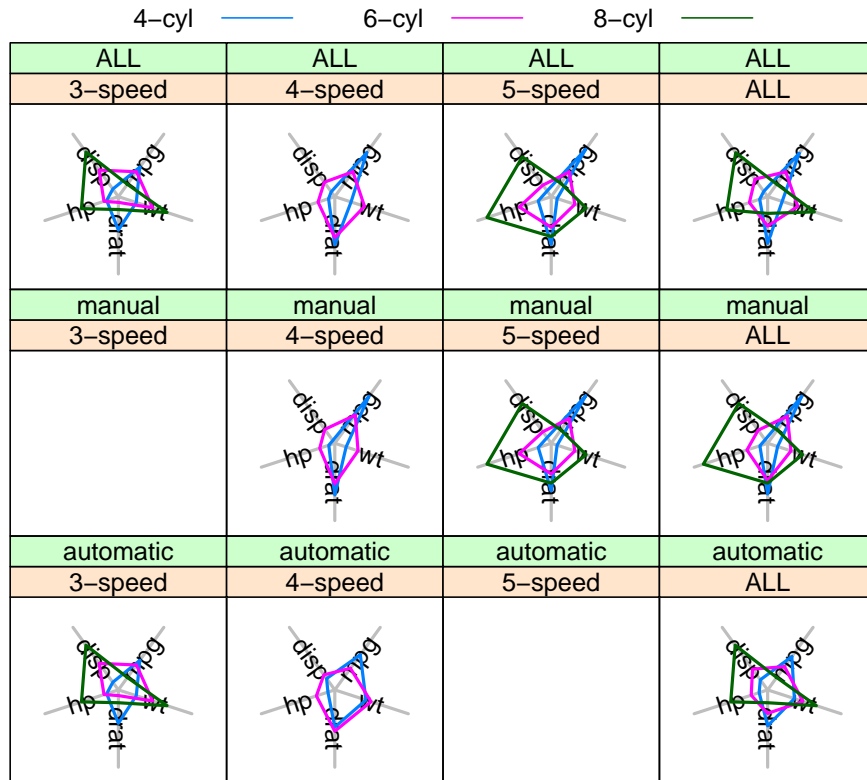


Figure 1: **Trellised radar plot.** The top, right-hand corner can be seen to correspond to the ‘standard Table 1’ shown in Table 1 above. The trellis can be seen therefore to produce an augmented or disaggregated Table 1 having several additional dimensions (transmission type and number of gears).