

dplyr

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Manipulating Data with dplyr Package

<https://www.geek-share.com/detail/2669229281.html#grouping-and-chaining-with-dplyr-package>

dplyr is a fast and powerful R package written by Hadley Wickham and Romain Francois. The dplyr philosophy is to have small functions that each do one thing well.

One unique aspect of dplyr is that the same set of tools allow you to work with tabular data from a variety of sources, including

- data frame
- data tables
- databases
- multidimensional arrays

Task 1: load the data into R.

```
library(ISwR)
```

```
## Warning: package 'ISwR' was built under R version 4.2.1
```

Task 2: data structure.

```
str(mtcars)
```

```
## 'data.frame':  32 obs. of  11 variables:
## $ mpg : num  21 21 22.8 21.4 18.7 18.1 14.3 24.4 22.8 19.2 ...
## $ cyl : num  6 6 4 6 8 6 8 4 4 6 ...
## $ disp: num  160 160 108 258 360 ...
## $ hp  : num  110 110 93 110 175 105 245 62 95 123 ...
## $ drat: num  3.9 3.9 3.85 3.08 3.15 2.76 3.21 3.69 3.92 3.92 ...
## $ wt  : num  2.62 2.88 2.32 3.21 3.44 ...
## $ qsec: num  16.5 17 18.6 19.4 17 ...
## $ vs  : num  0 0 1 1 0 1 0 1 1 1 ...
## $ am  : num  1 1 1 0 0 0 0 0 0 0 ...
## $ gear: num  4 4 4 3 3 3 3 4 4 4 ...
## $ carb: num  4 4 1 1 2 1 4 2 2 4 ...
```

Task 3: library dplyr package.

```
library(dplyr)
```

```
##  
## Attaching package: 'dplyr'  
  
## The following objects are masked from 'package:stats':  
##  
##   filter, lag  
  
## The following objects are masked from 'package:base':  
##  
##   intersect, setdiff, setequal, union  
  
# check version: you need to have version 0.4.0 or later  
packageVersion("dplyr")
```

```
## [1] '1.0.9'
```

Task 4: Find the class of mtcars.

```
class(mtcars)
```

```
## [1] "data.frame"
```

Task 5: Dimension of mtcars

```
dim(mtcars)
```

```
## [1] 32 11
```

Let us consider the five manipulation tasks with dplyr

- `select()`
- `filter()`
- `arrange()`
- `mutate()`
- `summarize()`

Task 6: select three variables of `stroke_tbl`. There is no need to use the `$` when specifying the variable names in dplyr.

```
select(mtcars, mpg, wt, vs)
```

##		mpg	wt	vs
## Mazda RX4		21.0	2.620	0
## Mazda RX4 Wag		21.0	2.875	0
## Datsun 710		22.8	2.320	1
## Hornet 4 Drive		21.4	3.215	1
## Hornet Sportabout		18.7	3.440	0
## Valiant		18.1	3.460	1
## Duster 360		14.3	3.570	0
## Merc 240D		24.4	3.190	1
## Merc 230		22.8	3.150	1
## Merc 280		19.2	3.440	1
## Merc 280C		17.8	3.440	1
## Merc 450SE		16.4	4.070	0
## Merc 450SL		17.3	3.730	0
## Merc 450SLC		15.2	3.780	0
## Cadillac Fleetwood		10.4	5.250	0
## Lincoln Continental		10.4	5.424	0
## Chrysler Imperial		14.7	5.345	0
## Fiat 128		32.4	2.200	1
## Honda Civic		30.4	1.615	1
## Toyota Corolla		33.9	1.835	1
## Toyota Corona		21.5	2.465	1
## Dodge Challenger		15.5	3.520	0
## AMC Javelin		15.2	3.435	0
## Camaro Z28		13.3	3.840	0
## Pontiac Firebird		19.2	3.845	0
## Fiat X1-9		27.3	1.935	1
## Porsche 914-2		26.0	2.140	0
## Lotus Europa		30.4	1.513	1
## Ford Pantera L		15.8	3.170	0
## Ferrari Dino		19.7	2.770	0
## Maserati Bora		15.0	3.570	0
## Volvo 142E		21.4	2.780	1

Task 7: select a sequence of columns.

```
select(mtcars, mpg:drat)
```

##		mpg	cyl	disp	hp	drat
## Mazda RX4		21.0	6	160.0	110	3.90
## Mazda RX4 Wag		21.0	6	160.0	110	3.90
## Datsun 710		22.8	4	108.0	93	3.85
## Hornet 4 Drive		21.4	6	258.0	110	3.08
## Hornet Sportabout		18.7	8	360.0	175	3.15
## Valiant		18.1	6	225.0	105	2.76
## Duster 360		14.3	8	360.0	245	3.21
## Merc 240D		24.4	4	146.7	62	3.69
## Merc 230		22.8	4	140.8	95	3.92
## Merc 280		19.2	6	167.6	123	3.92
## Merc 280C		17.8	6	167.6	123	3.92
## Merc 450SE		16.4	8	275.8	180	3.07
## Merc 450SL		17.3	8	275.8	180	3.07
## Merc 450SLC		15.2	8	275.8	180	3.07

```
## Cadillac Fleetwood 10.4 8 472.0 205 2.93
## Lincoln Continental 10.4 8 460.0 215 3.00
## Chrysler Imperial 14.7 8 440.0 230 3.23
## Fiat 128 32.4 4 78.7 66 4.08
## Honda Civic 30.4 4 75.7 52 4.93
## Toyota Corolla 33.9 4 71.1 65 4.22
## Toyota Corona 21.5 4 120.1 97 3.70
## Dodge Challenger 15.5 8 318.0 150 2.76
## AMC Javelin 15.2 8 304.0 150 3.15
## Camaro Z28 13.3 8 350.0 245 3.73
## Pontiac Firebird 19.2 8 400.0 175 3.08
## Fiat X1-9 27.3 4 79.0 66 4.08
## Porsche 914-2 26.0 4 120.3 91 4.43
## Lotus Europa 30.4 4 95.1 113 3.77
## Ford Pantera L 15.8 8 351.0 264 4.22
## Ferrari Dino 19.7 6 145.0 175 3.62
## Maserati Bora 15.0 8 301.0 335 3.54
## Volvo 142E 21.4 4 121.0 109 4.11
```

Task 8: throw away selected columns.(the negative sign in front of drat tells us we don't want those columns.)

```
select(mtcars, -drat)
```

```
##          mpg cyl  disp  hp    wt  qsec vs am gear carb
## Mazda RX4      21.0   6 160.0 110 2.620 16.46  0  1    4    4
## Mazda RX4 Wag  21.0   6 160.0 110 2.875 17.02  0  1    4    4
## Datsun 710     22.8   4 108.0  93 2.320 18.61  1  1    4    1
## Hornet 4 Drive  21.4   6 258.0 110 3.215 19.44  1  0    3    1
## Hornet Sportabout 18.7   8 360.0 175 3.440 17.02  0  0    3    2
## Valiant        18.1   6 225.0 105 3.460 20.22  1  0    3    1
## Duster 360     14.3   8 360.0 245 3.570 15.84  0  0    3    4
## Merc 240D      24.4   4 146.7  62 3.190 20.00  1  0    4    2
## Merc 230       22.8   4 140.8  95 3.150 22.90  1  0    4    2
## Merc 280       19.2   6 167.6 123 3.440 18.30  1  0    4    4
## Merc 280C      17.8   6 167.6 123 3.440 18.90  1  0    4    4
## Merc 450SE     16.4   8 275.8 180 4.070 17.40  0  0    3    3
## Merc 450SL     17.3   8 275.8 180 3.730 17.60  0  0    3    3
## Merc 450SLC    15.2   8 275.8 180 3.780 18.00  0  0    3    3
## Cadillac Fleetwood 10.4   8 472.0 205 5.250 17.98  0  0    3    4
## Lincoln Continental 10.4   8 460.0 215 5.424 17.82  0  0    3    4
## Chrysler Imperial 14.7   8 440.0 230 5.345 17.42  0  0    3    4
## Fiat 128       32.4   4  78.7  66 2.200 19.47  1  1    4    1
## Honda Civic    30.4   4  75.7  52 1.615 18.52  1  1    4    2
## Toyota Corolla 33.9   4  71.1  65 1.835 19.90  1  1    4    1
## Toyota Corona  21.5   4 120.1  97 2.465 20.01  1  0    3    1
## Dodge Challenger 15.5   8 318.0 150 3.520 16.87  0  0    3    2
## AMC Javelin    15.2   8 304.0 150 3.435 17.30  0  0    3    2
## Camaro Z28     13.3   8 350.0 245 3.840 15.41  0  0    3    4
## Pontiac Firebird 19.2   8 400.0 175 3.845 17.05  0  0    3    2
## Fiat X1-9      27.3   4  79.0  66 1.935 18.90  1  1    4    1
## Porsche 914-2  26.0   4 120.3  91 2.140 16.70  0  1    5    2
## Lotus Europa   30.4   4  95.1 113 1.513 16.90  1  1    5    2
## Ford Pantera L  15.8   8 351.0 264 3.170 14.50  0  1    5    4
```

```
## Ferrari Dino      19.7   6 145.0 175 2.770 15.50 0 1   5   6
## Maserati Bora     15.0   8 301.0 335 3.570 14.60 0 1   5   8
## Volvo 142E       21.4   4 121.0 109 2.780 18.60 1 1   4   2
```

Task 9: throw away multiple columns.

```
select(mtcars, -(drat:carb))
```

```
##           mpg cyl  disp  hp
## Mazda RX4      21.0   6 160.0 110
## Mazda RX4 Wag  21.0   6 160.0 110
## Datsun 710     22.8   4 108.0  93
## Hornet 4 Drive 21.4   6 258.0 110
## Hornet Sportabout 18.7   8 360.0 175
## Valiant        18.1   6 225.0 105
## Duster 360     14.3   8 360.0 245
## Merc 240D      24.4   4 146.7  62
## Merc 230       22.8   4 140.8  95
## Merc 280       19.2   6 167.6 123
## Merc 280C      17.8   6 167.6 123
## Merc 450SE     16.4   8 275.8 180
## Merc 450SL     17.3   8 275.8 180
## Merc 450SLC    15.2   8 275.8 180
## Cadillac Fleetwood 10.4   8 472.0 205
## Lincoln Continental 10.4   8 460.0 215
## Chrysler Imperial 14.7   8 440.0 230
## Fiat 128       32.4   4  78.7  66
## Honda Civic    30.4   4  75.7  52
## Toyota Corolla 33.9   4  71.1  65
## Toyota Corona  21.5   4 120.1  97
## Dodge Challenger 15.5   8 318.0 150
## AMC Javelin    15.2   8 304.0 150
## Camaro Z28     13.3   8 350.0 245
## Pontiac Firebird 19.2   8 400.0 175
## Fiat X1-9      27.3   4  79.0  66
## Porsche 914-2  26.0   4 120.3  91
## Lotus Europa   30.4   4  95.1 113
## Ford Pantera L 15.8   8 351.0 264
## Ferrari Dino   19.7   6 145.0 175
## Maserati Bora  15.0   8 301.0 335
## Volvo 142E     21.4   4 121.0 109
```

Task 10: use filter function to select all rows for which the cyl is equal to 6.

```
filter(mtcars, cyl == 6)
```

```
##           mpg cyl  disp  hp drat    wt  qsec vs am gear carb
## 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
## Hornet 4 Drive 21.4   6 258.0 110 3.08 3.215 19.44 1 0    3    1
## Valiant        18.1   6 225.0 105 2.76 3.460 20.22 1 0    3    1
## 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
## Ferrari Dino   19.7   6 145.0 175 3.62 2.770 15.50 0 1    5    6
```

Task 11: filter rows based on certain conditions. Those conditions (variables) are separated by commas.

```
filter(mtcars, cyl == 6, hp > 120)
```

```
##           mpg cyl  disp  hp drat   wt  qsec vs am gear carb
## Merc 280    19.2   6 167.6 123 3.92 3.44 18.3  1  0    4    4
## Merc 280C   17.8   6 167.6 123 3.92 3.44 18.9  1  0    4    4
## Ferrari Dino 19.7   6 145.0 175 3.62 2.77 15.5  0  1    5    6
```

<https://www.datasciencemadesimple.com/filter-subsetting-rows-r-using-dplyr/>

Task 12: subset mtcars rows with multiple conditions using %in% operator

```
filter(mtcars, gear %in% c(3,5))
```

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

```
filter(mtcars, gear %in% c(4,5) & carb==2)
```

```
##           mpg cyl  disp  hp drat   wt  qsec vs am gear carb
## 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
## Honda Civic       30.4   4  75.7  52 4.93 1.615 18.52  1  1    4    2
## 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
## Volvo 142E        21.4   4 121.0 109 4.11 2.780 18.60  1  1    4    2
```

Task 13: Filter the rows in R with multiple conditions (NOT). using Dplyr

```
filter(mtcars, !gear %in% c(4,5))
```

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

Task 14: Filter the rows in R with Contains condition using Dplyr

```
filter(mtcars, grepl(0, hp))
```

##		mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
##	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
##	Hornet 4 Drive	21.4	6	258.0	110	3.08	3.215	19.44	1	0	3	1
##	Valiant	18.1	6	225.0	105	2.76	3.460	20.22	1	0	3	1
##	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
##	Chrysler Imperial	14.7	8	440.0	230	3.23	5.345	17.42	0	0	3	4
##	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
##	Volvo 142E	21.4	4	121.0	109	4.11	2.780	18.60	1	1	4	2

Task 15: Subset using Slice Family of function in R dplyr

```
mtcars %>% slice_head(n = 5)
```

##		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

Task 16: Subset using Slice Family of function in R dplyr

```
mtcars %>% slice_tail(n = 5)
```

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

```
## Lotus Europa 30.4 4 95.1 113 3.77 1.513 16.9 1 1 5 2
## Ford Pantera L 15.8 8 351.0 264 4.22 3.170 14.5 0 1 5 4
## Ferrari Dino 19.7 6 145.0 175 3.62 2.770 15.5 0 1 5 6
## Maserati Bora 15.0 8 301.0 335 3.54 3.570 14.6 0 1 5 8
## Volvo 142E 21.4 4 121.0 109 4.11 2.780 18.6 1 1 4 2
```

Task 17: `slice_max()` function returns the max n rows of the dataframe based on a column as shown below.

```
mtcars %>% slice_max(mpg, n = 5)
```

```
##      mpg cyl disp  hp drat   wt  qsec vs am gear carb
## Toyota Corolla 33.9  4 71.1  65 4.22 1.835 19.90 1 1  4  1
## 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
## Lotus Europa 30.4  4 95.1 113 3.77 1.513 16.90 1 1  5  2
## Fiat X1-9 27.3  4 79.0  66 4.08 1.935 18.90 1 1  4  1
```

Task 18: `slice_min()` function returns the minimum n rows of the dataframe based on a column as shown below.

```
mtcars %>% slice_min(mpg, n = 5)
```

```
##      mpg cyl disp  hp drat   wt  qsec vs am gear carb
## Cadillac Fleetwood 10.4  8 472 205 2.93 5.250 17.98 0 0  3  4
## Lincoln Continental 10.4  8 460 215 3.00 5.424 17.82 0 0  3  4
## Camaro Z28 13.3  8 350 245 3.73 3.840 15.41 0 0  3  4
## Duster 360 14.3  8 360 245 3.21 3.570 15.84 0 0  3  4
## Chrysler Imperial 14.7  8 440 230 3.23 5.345 17.42 0 0  3  4
```

Task 19: `slice_sample()` function returns the sample n rows of the dataframe as shown below.

```
mtcars %>% slice_sample(n = 5)
```

```
##      mpg cyl disp  hp drat   wt  qsec vs am gear carb
## Ferrari Dino 19.7  6 145.0 175 3.62 2.770 15.50 0 1  5  6
## Merc 450SE 16.4  8 275.8 180 3.07 4.070 17.40 0 0  3  3
## Mazda RX4 21.0  6 160.0 110 3.90 2.620 16.46 0 1  4  4
## Camaro Z28 13.3  8 350.0 245 3.73 3.840 15.41 0 0  3  4
## Honda Civic 30.4  4 75.7  52 4.93 1.615 18.52 1 1  4  2
```

Task 20: `slice_head()` by group in R: returns the top n rows of the group using `slice_head()` and `group_by()` functions

```
mtcars %>% group_by(vs) %>% slice_head(n = 2)
```

```
## # A tibble: 4 x 11
## # Groups:   vs [2]
##      mpg   cyl  disp    hp  drat    wt   qsec    vs  am  gear  carb
##   <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1  21      6   160   110   3.9   2.62  16.5     0    1     4     4
## 2  21      6   160   110   3.9   2.88  17.0     0    1     4     4
## 3  22.8     4   108    93   3.85   2.32  18.6     1    1     4     1
## 4  21.4     6   258   110   3.08   3.22  19.4     1    0     3     1
```



```
mtcars %>% group_by(vs)
```

```
## # A tibble: 32 x 11
## # Groups:   vs [2]
##   mpg   cyl  disp    hp  drat    wt   qsec    vs  am  gear  carb
##   <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1  21     6  160   110  3.9   2.62  16.5    0    1    4    4
## 2  21     6  160   110  3.9   2.88  17.0    0    1    4    4
## 3 22.8    4  108    93  3.85  2.32  18.6    1    1    4    1
## 4 21.4    6  258   110  3.08  3.22  19.4    1    0    3    1
## 5 18.7    8  360   175  3.15  3.44  17.0    0    0    3    2
## 6 18.1    6  225   105  2.76  3.46  20.2    1    0    3    1
## 7 14.3    8  360   245  3.21  3.57  15.8    0    0    3    4
## 8 24.4    4  147    62  3.69  3.19  20     1    0    4    2
## 9 22.8    4  141    95  3.92  3.15  22.9    1    0    4    2
## 10 19.2    6  168   123  3.92  3.44  18.3    1    0    4    4
## # ... with 22 more rows
```

```
sample_n(mtcars,4)
```

```
##           mpg cyl  disp  hp drat    wt  qsec vs am gear carb
## Duster 360  14.3   8 360.0 245 3.21 3.570 15.84 0 0   3   4
## Hornet 4 Drive 21.4   6 258.0 110 3.08 3.215 19.44 1 0   3   1
## Pontiac Firebird 19.2   8 400.0 175 3.08 3.845 17.05 0 0   3   2
## Merc 240D  24.4   4 146.7  62 3.69 3.190 20.00 1 0   4   2
```