Plyrmr

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```
mtcars
```

```
                    mpg cyl  disp  hp drat    wt  qsec vs
Mazda RX4          21.0   6 160.0 110 3.90 2.620 16.46  0
Mazda RX4 Wag      21.0   6 160.0 110 3.90 2.875 17.02  0
Datsun 710         22.8   4 108.0  93 3.85 2.320 18.61  1
Hornet 4 Drive     21.4   6 258.0 110 3.08 3.215 19.44  1
Hornet Sportabout  18.7   8 360.0 175 3.15 3.440 17.02  0
Valiant            18.1   6 225.0 105 2.76 3.460 20.22  1
Duster 360         14.3   8 360.0 245 3.21 3.570 15.84  0
....
```

```
bind.cols(mtcars, carb.per.cyl = carb/cyl)
```

	mpg	cyl	disp	hp	drat	wt	qsec	vs
Mazda RX4	21.0	6	160.0	110	3.90	2.620	16.46	0
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875	17.02	0
Datsun 710	22.8	4	108.0	93	3.85	2.320	18.61	1
Hornet 4 Drive	21.4	6	258.0	110	3.08	3.215	19.44	1
Hornet Sportabout	18.7	8	360.0	175	3.15	3.440	17.02	0
Valiant	18.1	6	225.0	105	2.76	3.460	20.22	1
Duster 360	14.3	8	360.0	245	3.21	3.570	15.84	0

....

```
bind.cols(input("/tmp/mtcars"), carb.per.cyl = carb/cyl)
```

```
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....
```

```
as.data.frame(bind.cols(input("/tmp/mtcars"), carb.per.cyl
```

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....

```
output(
    bind.cols(
        input("/tmp/mtcars"),
        carb.per.cyl = carb/cyl),
    "/tmp/mtcars.out")
```

	mpg	cyl	disp	hp	drat	wt	qsec	vs
Mazda RX4	21.0	6	160.0	110	3.90	2.620	16.46	0
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....
```

| package | functions |
| --- | --- |
| base | transmute, subset, sample, union, intersect, rbind, unique, me |
| plyr | mutate, summarize |
| reshape2 | melt, dcast |
| plyrmr | select, where, count.cols, quantile.cols, top.k, bottom.k |

```
x = bind.cols(mtcars, carb.per.cyl = carb/cyl)
where(x, carb.per.cyl >= 1)


mtcars %|%
    bind.cols(carb.per.cyl = carb/cyl) %|%
    where(carb.per.cyl >= 1)
```

```
process.mtcars

where.mtcars.1 = function(...) where(mtcars, ...)
high.carb.cyl.1 = function(x) {where.mtcars.1(carb/cyl >= x
high.carb.cyl.1(1)


Error: object 'x' not found

where.mtcars.2 =
    function(...) where(mtcars, ..., .envir = parent.frame(
high.carb.cyl.2 = function(x) {where.mtcars.2(carb/cyl >= x
high.carb.cyl.2(1)


              mpg cyl disp  hp drat   wt qsec vs am gear
Ferrari Dino  19.7   6  145 175 3.62 2.77 15.5  0  1    5
Maserati Bora 15.0   8  301 335 3.54 3.57 14.6  0  1    5

do

last.col = function(x) x[, ncol(x), drop = FALSE]
```