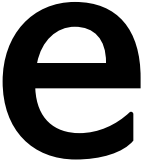


**A**









RStudio

Go to file/function Addins Project: (None)

Untitled2\* x Untitled1\* x

Source on Save Run Source

```
1 mtcars %>%
2   mutate(car_name = row.names(.)) %>%
3   gather(vals, value, -car_name) %>%
4   filter(
5     car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9"),
6     vals %in% c("mpg", "hp", "wt", "drat", "qsec", "disp")
7   )
8
```

8:1 (Top Level) R Script

Console Terminal x Jobs x

~/

```
+ )
      car_name vals  value
1  AMC Javelin  mpg  15.200
2   Fiat X1-9   mpg  27.300
3 Ferrari Dino  mpg  19.700
4  AMC Javelin  disp 304.000
5   Fiat X1-9   disp  79.000
6 Ferrari Dino  disp 145.000
7  AMC Javelin   hp 150.000
8   Fiat X1-9    hp  66.000
9 Ferrari Dino   hp 175.000
10 AMC Javelin  drat   3.150
11   Fiat X1-9  drat   4.080
12 Ferrari Dino  drat   3.620
13 AMC Javelin   wt   3.435
14   Fiat X1-9   wt   1.935
15 Ferrari Dino   wt   2.770
16 AMC Javelin  qsec  17.300
17   Fiat X1-9  qsec  18.900
18 Ferrari Dino  qsec  15.500
>
```

RStudio

Go to file/function | Addins | Project: (None)

Untitled2\* x | Untitled1\* x

Source on Save | Run | Source

```
1 mtcars2 <- cbind(mtcars, car_name = row.names(mtcars))
2 mtcars3 <- reshape2::melt(mtcars2, id = "car_name")
3
4 subset(
5   mtcars3,
6   car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &
7   variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp")
8 )
9
```

9:1 (Top Level) R Script

Console | Terminal x | Jobs x

~/

```
+ )
```

	car_name	variable	value
23	AMC Javelin	mpg	15.200
26	Fiat X1-9	mpg	27.300
30	Ferrari Dino	mpg	19.700
87	AMC Javelin	disp	304.000
90	Fiat X1-9	disp	79.000
94	Ferrari Dino	disp	145.000
119	AMC Javelin	hp	150.000
122	Fiat X1-9	hp	66.000
126	Ferrari Dino	hp	175.000
151	AMC Javelin	drat	3.150
154	Fiat X1-9	drat	4.080
158	Ferrari Dino	drat	3.620
183	AMC Javelin	wt	3.435
186	Fiat X1-9	wt	1.935
190	Ferrari Dino	wt	2.770
215	AMC Javelin	qsec	17.300
218	Fiat X1-9	qsec	18.900
222	Ferrari Dino	qsec	15.500

```
>
```

















**Before**

**After**

RStudio interface showing a script and its output in the console.

```
1 mtcars2 <- cbind(mtcars, car_name = row.names(mtcars))
2 mtcars3 <- reshape2::melt(mtcars2, id = "car_name")
3
4 subset(
5   mtcars3,
6   car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &
7   variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp")
8 )
9
```

Console output:

	car_name	variable	value
23	AMC Javelin	mpg	15.200
26	Fiat X1-9	mpg	27.300
30	Ferrari Dino	mpg	19.700
87	AMC Javelin	disp	304.000
90	Fiat X1-9	disp	79.000
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119	AMC Javelin	hp	150.000
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151	AMC Javelin	drat	3.150
154	Fiat X1-9	drat	4.080
158	Ferrari Dino	drat	3.620
183	AMC Javelin	wt	3.435
186	Fiat X1-9	wt	1.935
190	Ferrari Dino	wt	2.770
215	AMC Javelin	qsec	17.300
218	Fiat X1-9	qsec	18.900
222	Ferrari Dino	qsec	15.500

RStudio interface showing a script and its output in the console.

```
1 mtcars %>%
2   mutate(car_name = row.names(.)) %>%
3   gather(vals, value, -car_name) %>%
4   filter(
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6     vals %in% c("mpg", "hp", "wt", "drat", "qsec", "disp")
7   )
8
```

Console output:

	car_name	vals	value
1	AMC Javelin	mpg	15.200
2	Fiat X1-9	mpg	27.300
3	Ferrari Dino	mpg	19.700
4	AMC Javelin	disp	304.000
5	Fiat X1-9	disp	79.000
6	Ferrari Dino	disp	145.000
7	AMC Javelin	hp	150.000
8	Fiat X1-9	hp	66.000
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