## Before

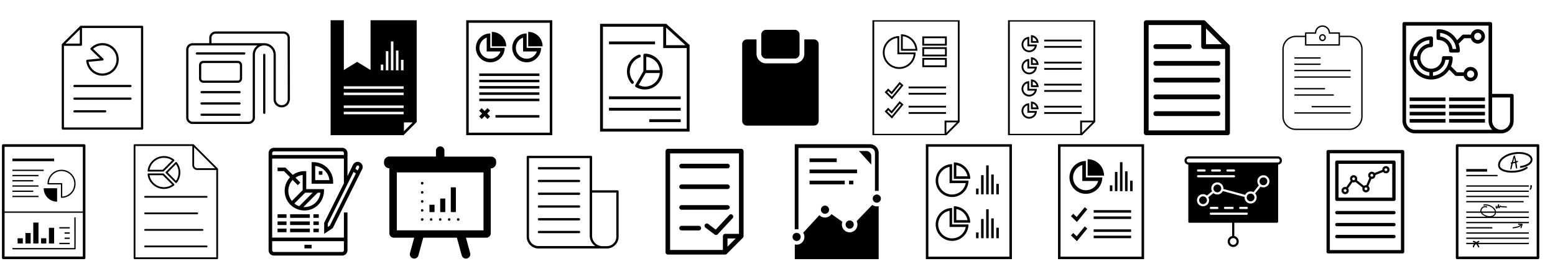
## tidyverse

www.rstudio.com

### After

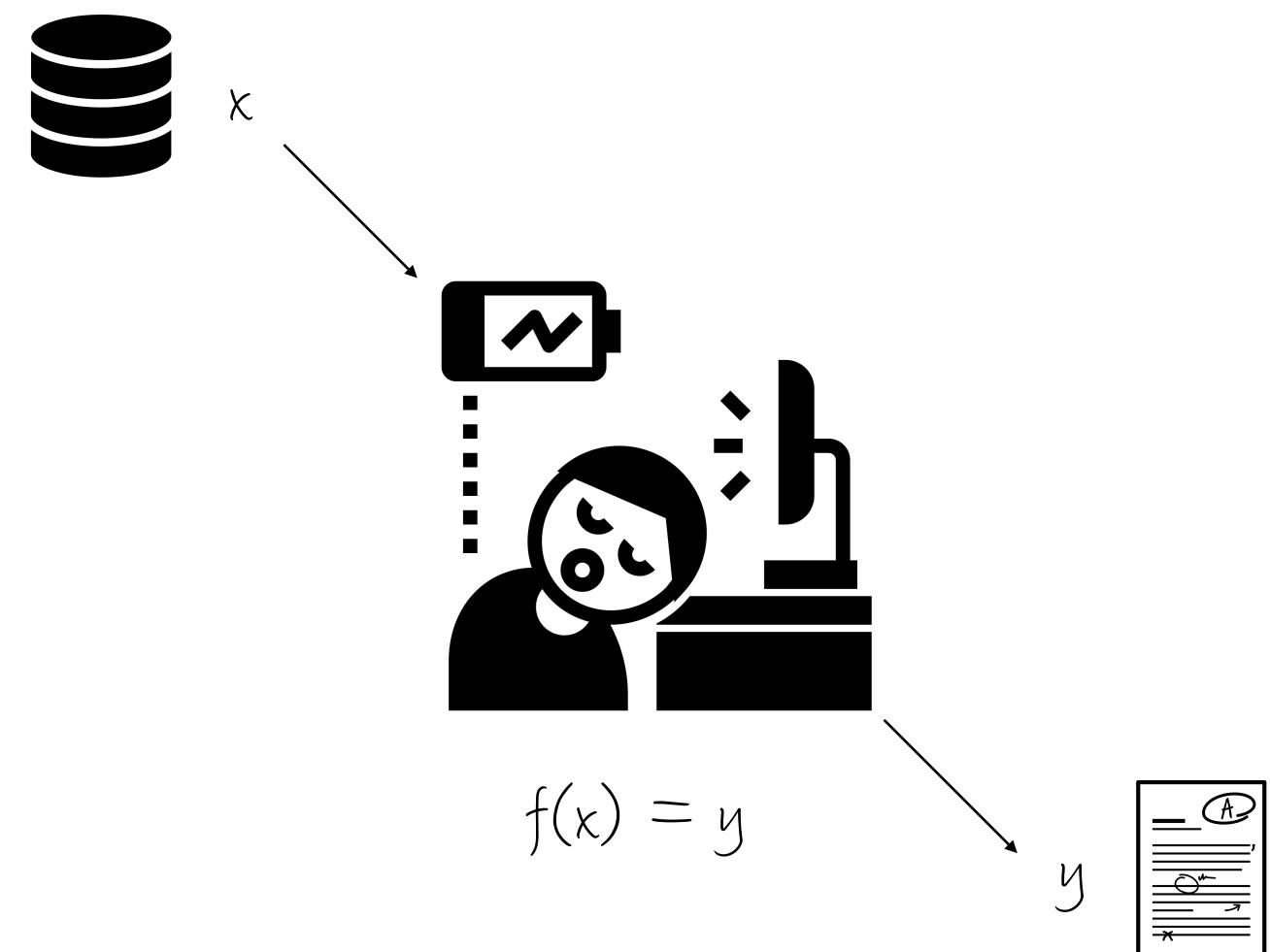
# 

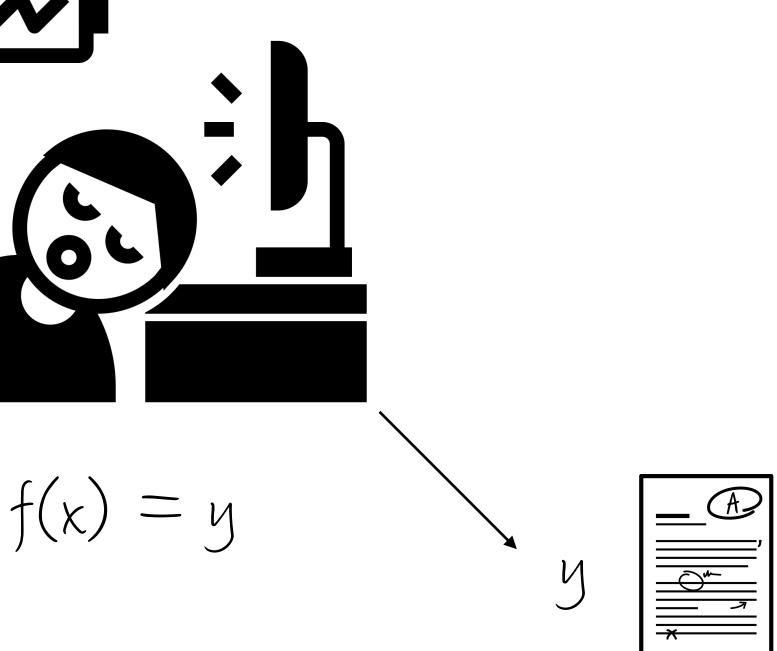


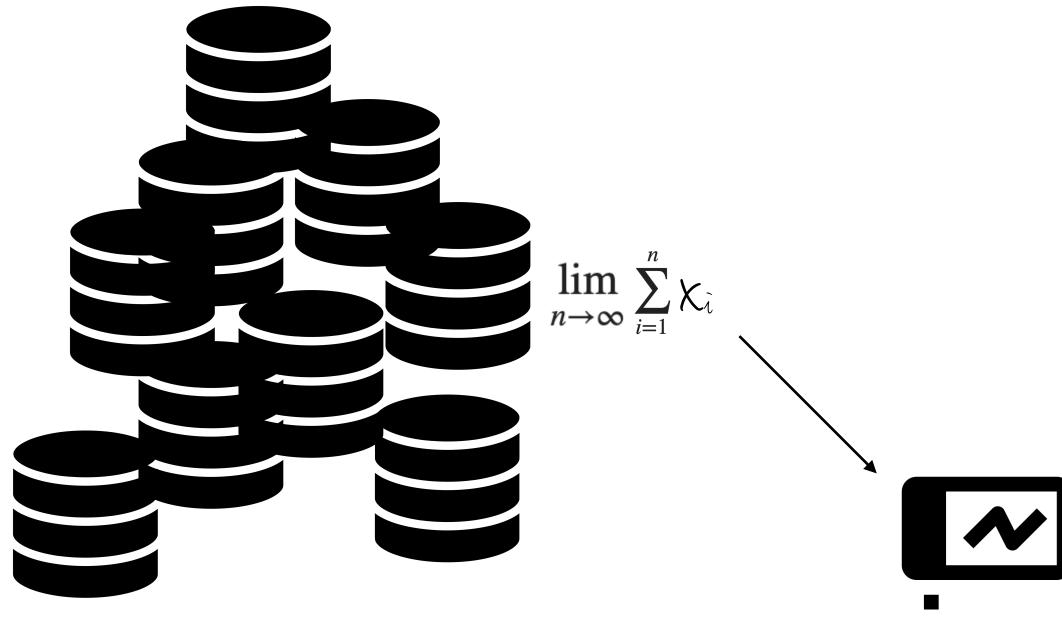


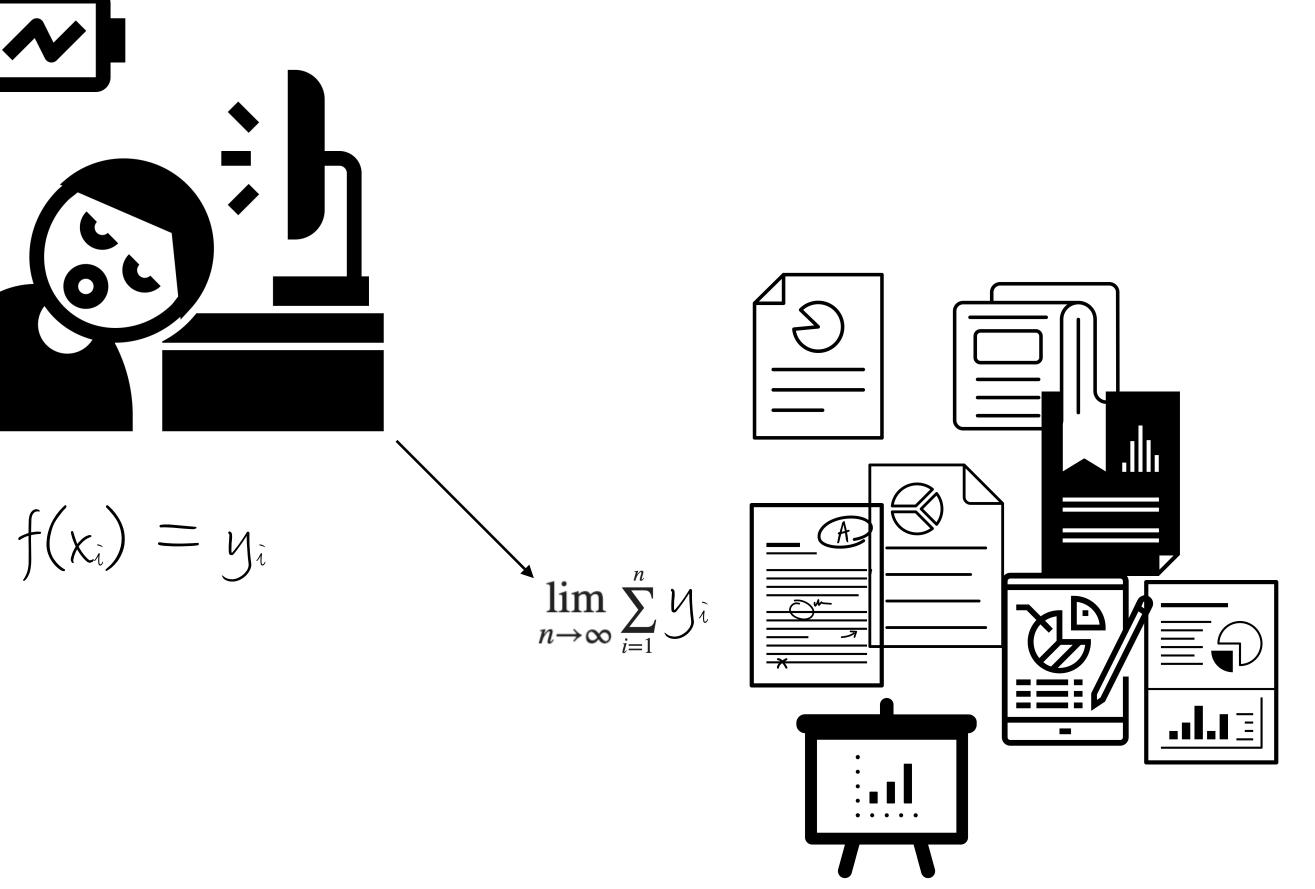


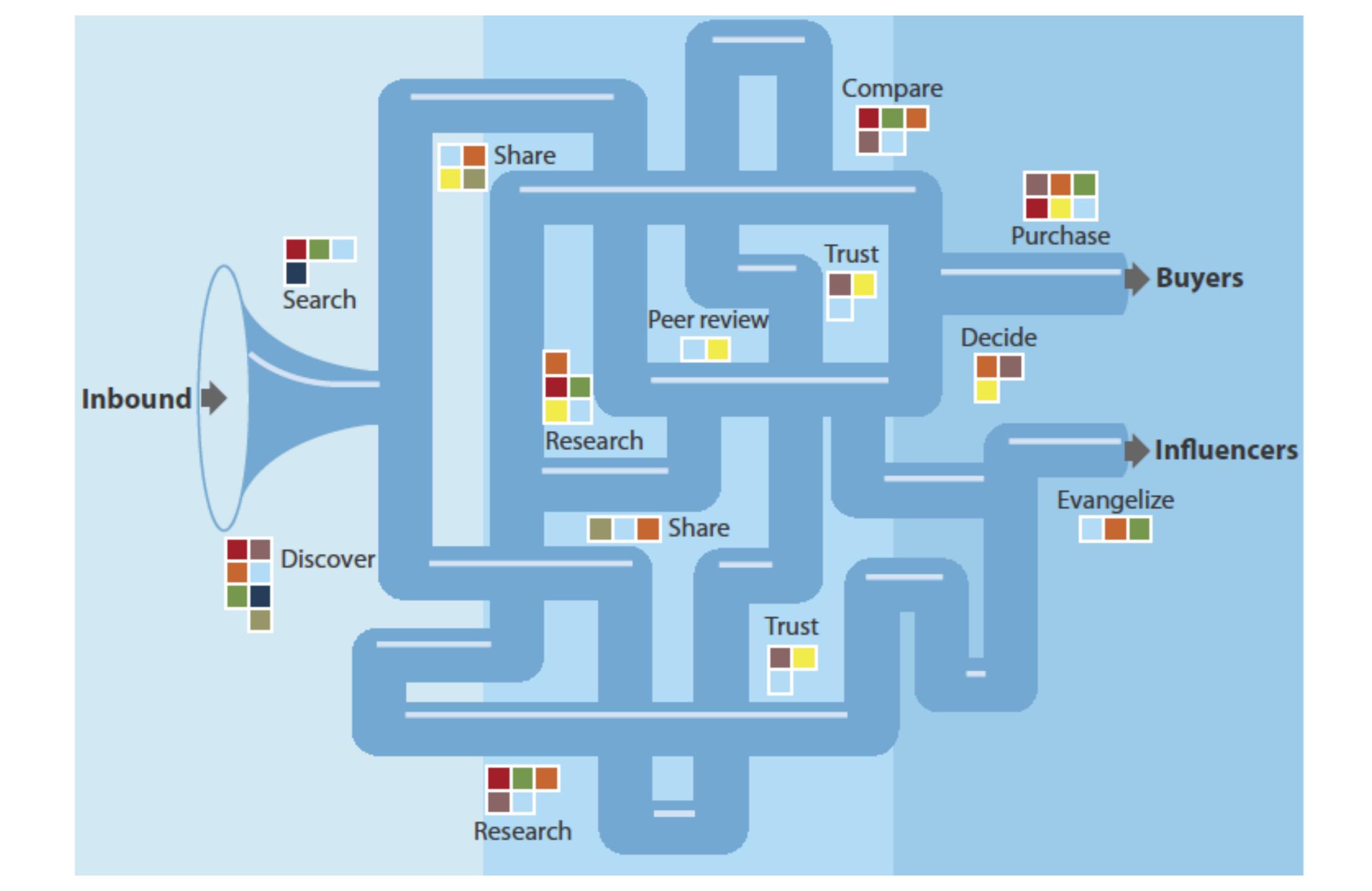


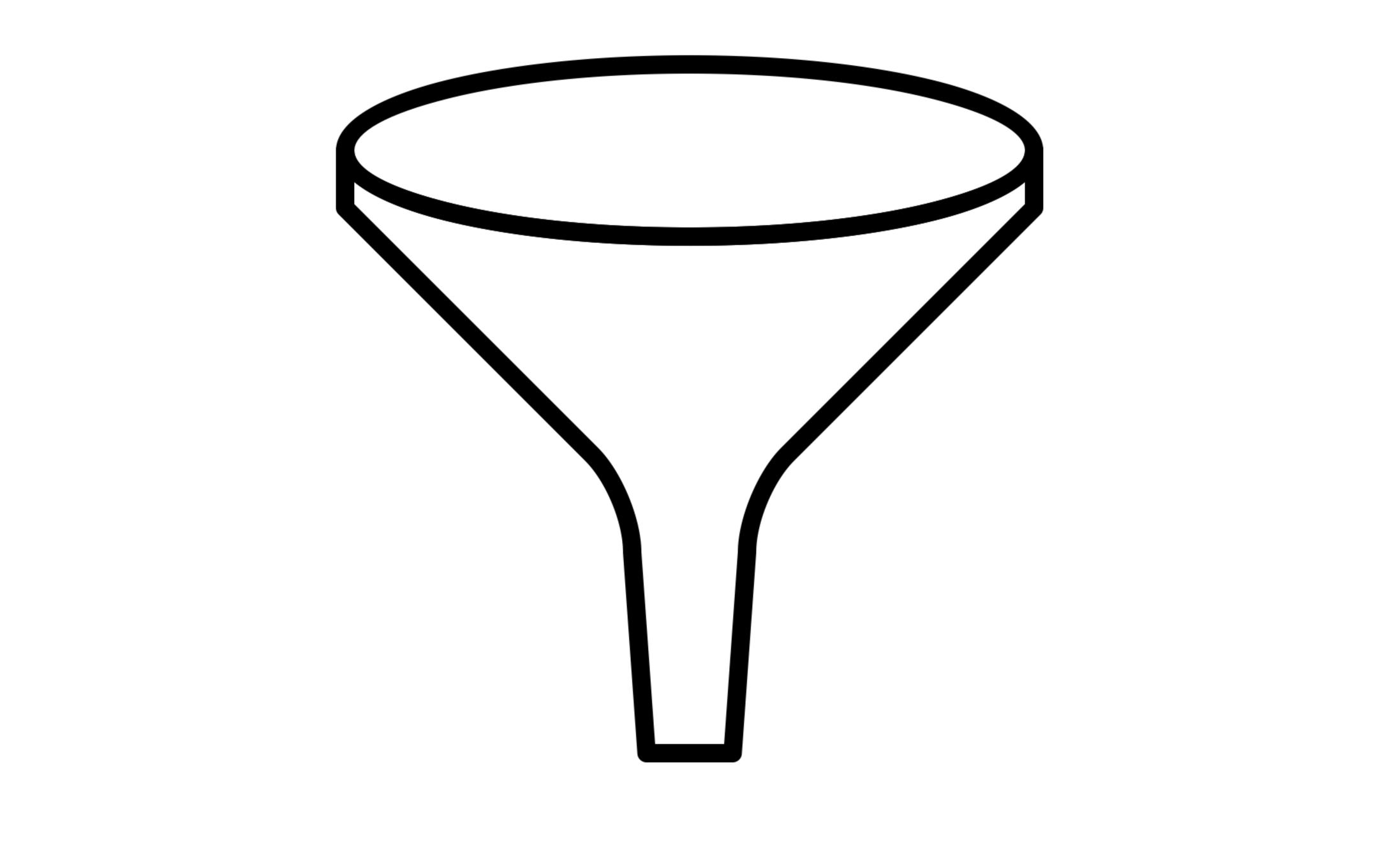


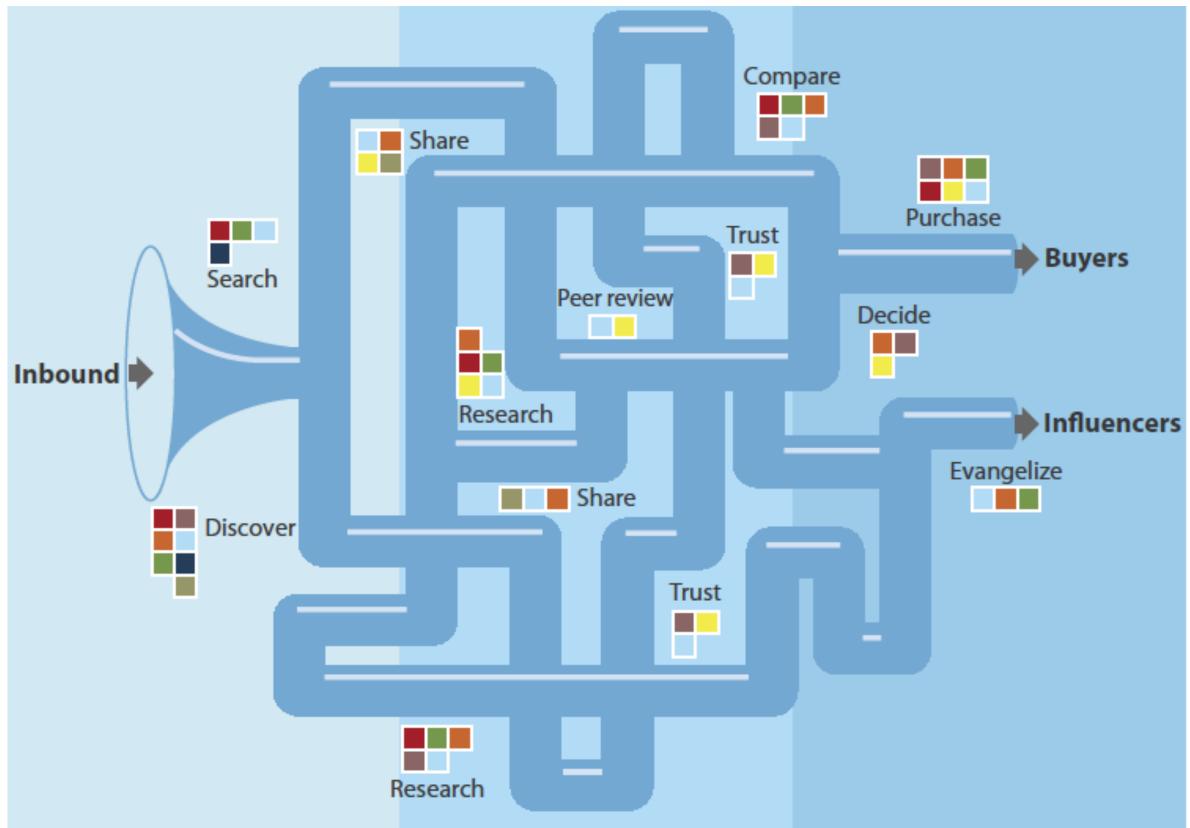


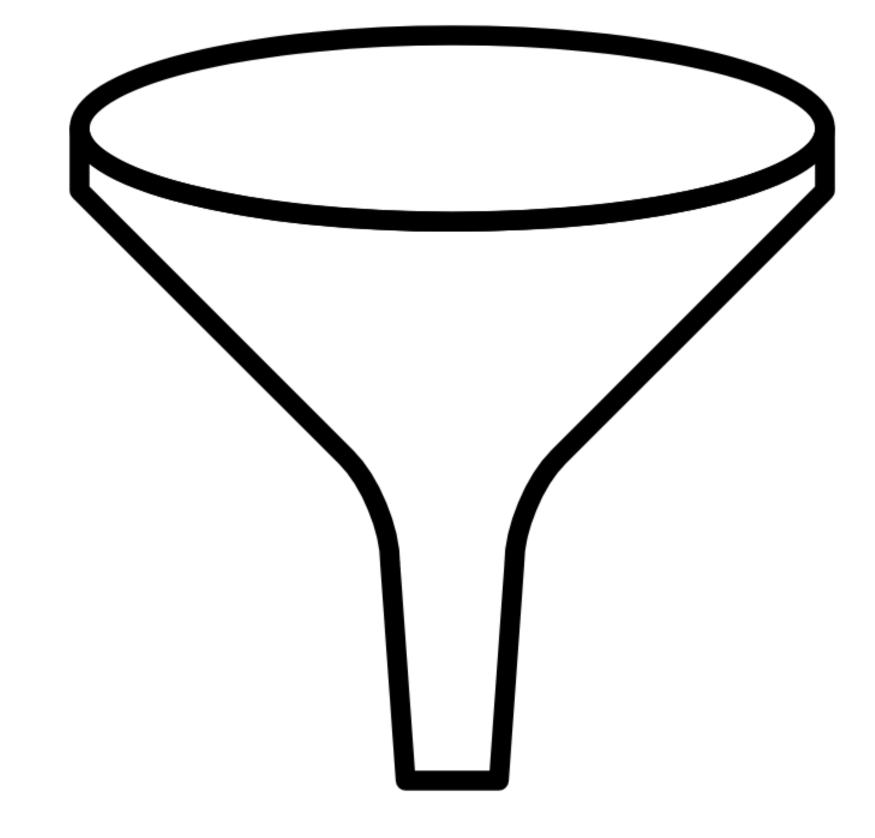












🥘 제목 없음 - 메모장

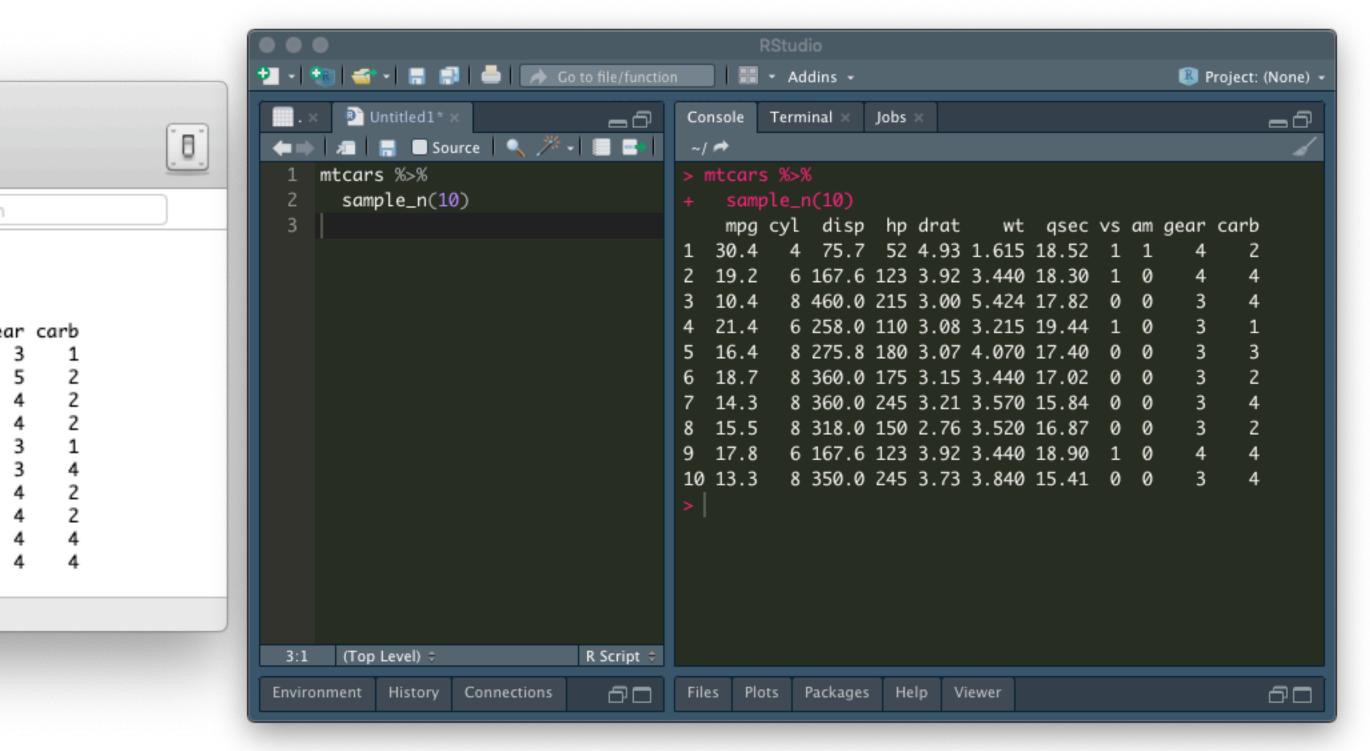
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

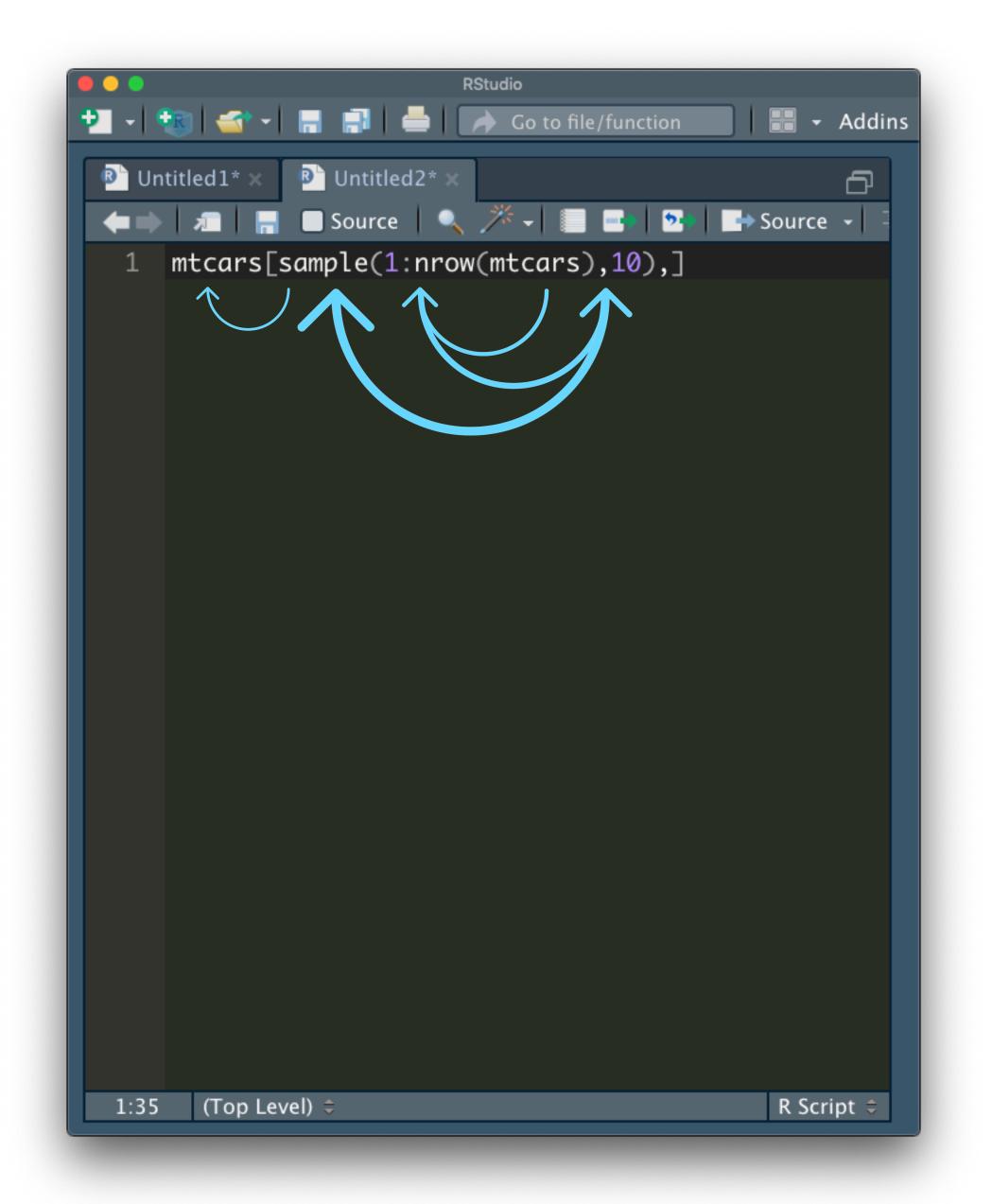
### select t1.\*, t2.amt amt0515, case when t2.amt is null then '00. non' when t2.amt > 0 and t2.amt <= 10000 then '01. 1~10000' when t2.amt > 10000 and t2.amt <= 30000 then '02. 10000~30000' when t2.amt > 30000 and t2.amt <= 100000 then '03. 30000~100000' when t2.amt > 100000 then '04. 100000~' INTO end user\_group into [temp]. [lovetoken\_kr\_daily\_predset] FROM from [dbmart03]. [kr\_daily] t1 left join [metainfo]. [prop\_rate] t2 ON on t1.key\_id = t2.key\_id AND and t1.sn = t2.snWHERE where t1.dt >= timestamp '2018-01-01 00:00 UTC' and t1.dt < timestamp '2018-05-16 00:00 UTC'

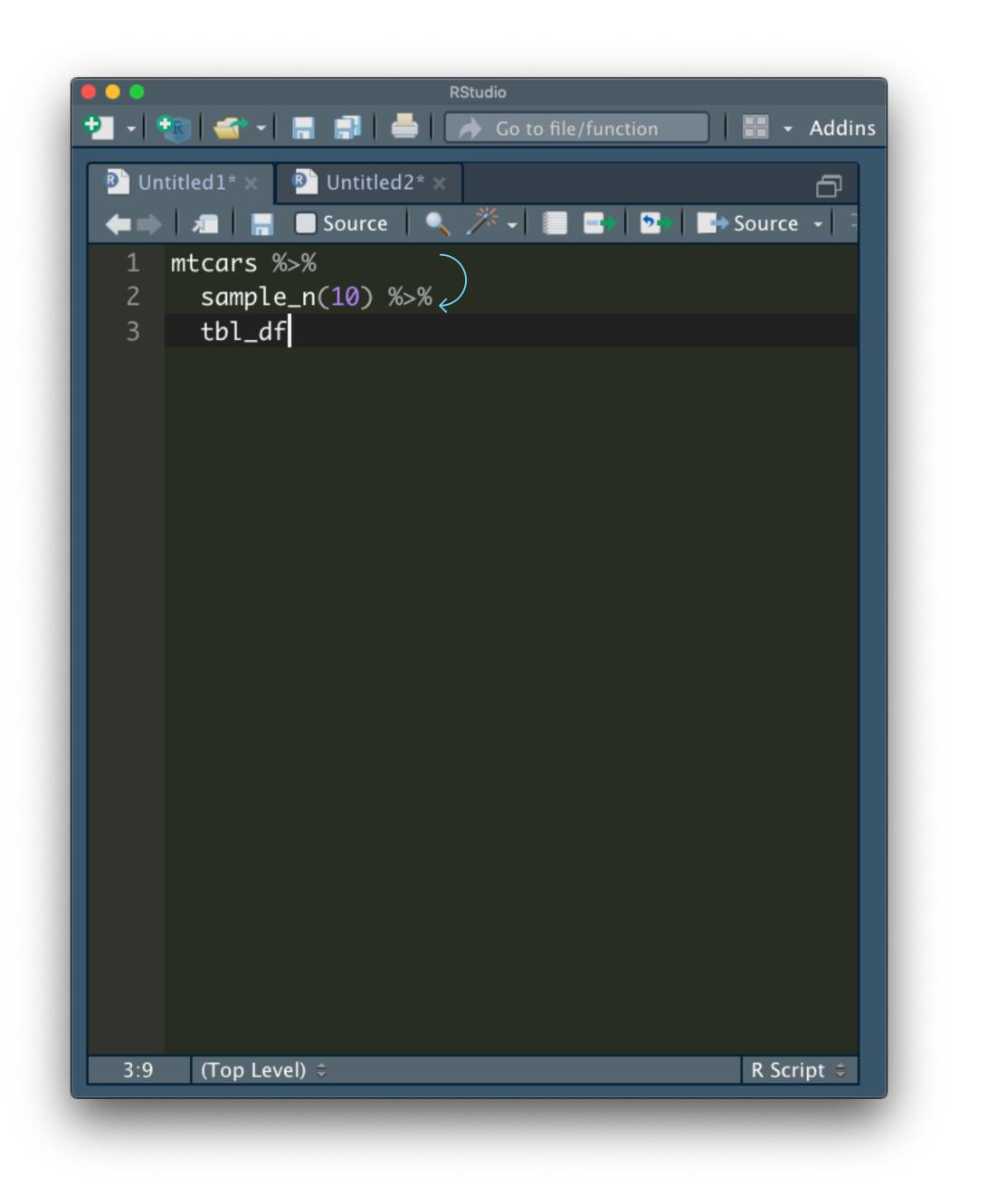
```
SELECT
          t1.*, t2.amt amt0515,
          CASE
            WHEN t2.amt IS NULL THEN '00. Non'
            WHEN t2.amt > 0 AND t2.amt <= 10000 THEN '01. 1~10000'
            WHEN t2.amt > 10000 AND t2.amt <= 30000 THEN '02. 10000~30000'
            WHEN t2.amt > 30000 AND t2.amt <= 100000 THEN '03. 30000~100000'
            WHEN t2.amt > 100000 THEN '04. 100000~'
          END user_group
          [TEMP].[lovetoken_kr_daily_predset]
          [dbmart03].[kr_daily] t1
LEFT JOIN [metainfo].[prop_rate] t2
          t1.key_id = t2.key_id
          t1.sn = t2.sn
          t1.dt >= timestamp '2018-01-01 00:00 UTC' AND t1.dt < timestamp '2018-05-16 00:00 UTC'
```



• • •	Untitled					I	R Con	sole				
Ba		۵ »	💿 횑 🍈	0		)	R	2				
1 mtcars[s	ample(1:nrow(mtcars)	),10),]	[ ~				)		Q~	lelp	Sea	rch
			> > > mtcars[sample(1	:nrow(r mpg (			drat	wt	qsec	vs	am	aea
			Toyota Corona	21.5	4 120.1				20.01	1	0	gea
			Lotus Europa	30.4	4 95.1	113	3.77	1.513	16.90	1	1	
			Merc 240D	24.4	4 146.7	62	3.69	3.190	20.00	1	0	
			Volvo 142E	21.4	4 121.0					1	1	
			Valiant	18.1	6 225.0					1	0	
			Chrysler Imperial		8 440.0				17.42	0	0	
			Honda Civic	30.4	4 75.7				18.52	1	1	
			Merc 230	22.8	4 140.8				22.90	1	0	
			Merc 280C	17.8	6 167.6					1	0	
			Mazda RX4 Wag >	21.0	6 160.0	110	3.90	2.875	17.02	0	1	,
sample(x, size, repl	lace = FALSE, prob = NULL)											







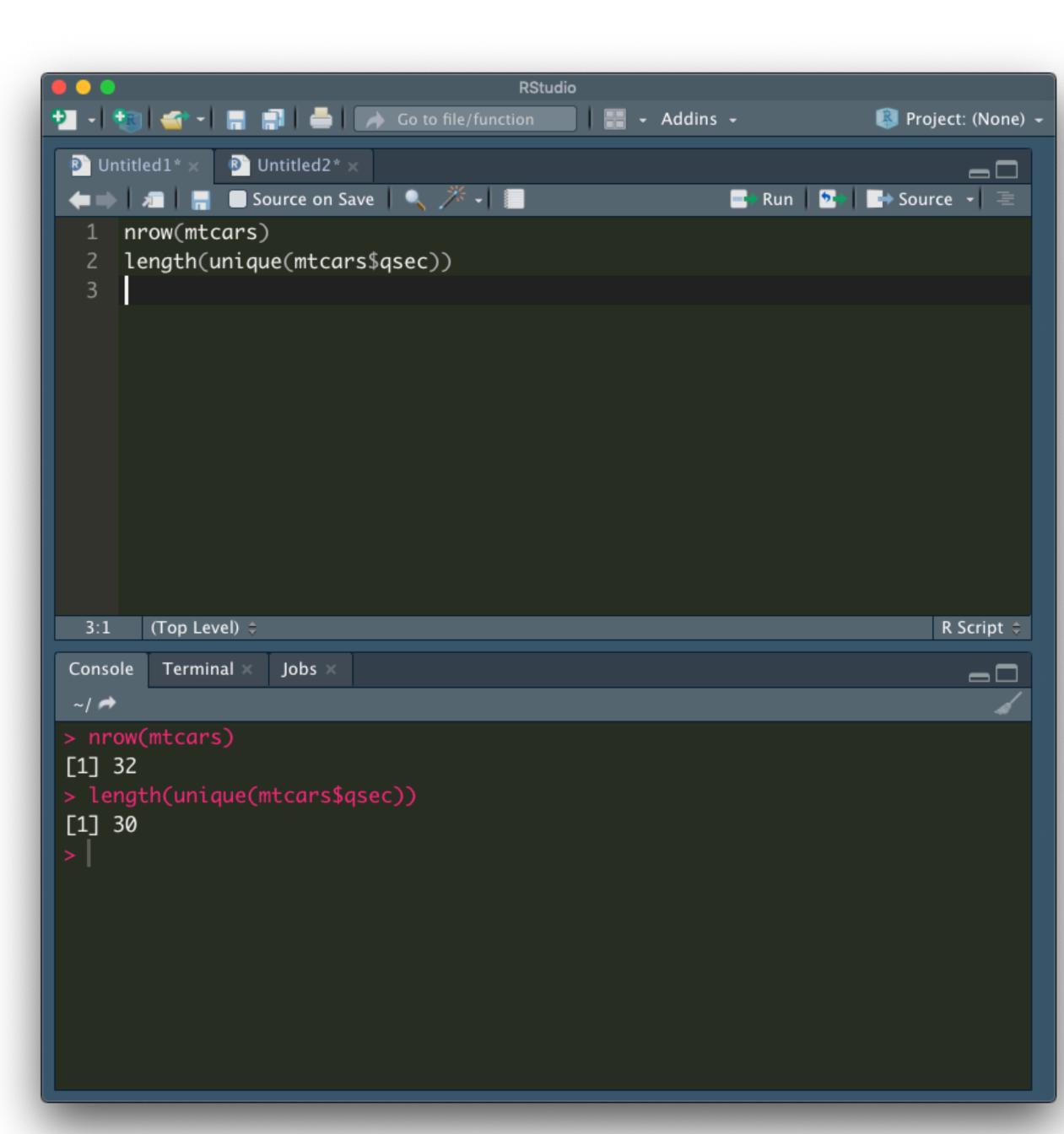
🛑 😑 🗧 RStudio
🔁 🚽 🔩 📹 🗧 📑 📥 📄 🍌 Go to file/function 🛛 📰 - Addins - ⑧
Untitled1* ×     D Untitled2* ×
🖛 🗼 🔎 🔚 🔲 Source on Save 🔍 🎢 🗕 🔚 💁 📑 Source 🕞
<pre>1 unique(subset(mtcars, select = c("vs", "am")))</pre>
2
2:1 (Top Level)  Caracteristic R Script  Caracteristic
Console Terminal × Jobs ×
<pre>&gt; unique(subset(mtcars, select = c("vs", "am")))</pre>
vs am
Mazda RX4 0 1
Datsun 710 1 1
Hornet 4 Drive 1 0 Hornet Sportabout 0 0

			•				RStudi	0			
		•	- 號	- 🎓			i 🔶 Go t	o file/fun	ction		- Addins
				_	RStudio					<b>•</b> • • •	
- 😼 🕣 -			Go to file/f	function		- Addins	-			통 Proje	ct: (None) 🚽
🖻 Untitled1* 🗙	. × [	🖻 Untitle	d2* ×								-0
<b>⋹</b> ⋺│/ <b>त</b> │ ▼ F	ilter										
<u>^</u>	mpg 🗘	cyl ‡	disp 🗘	hp 🗘	drat 🗘	wt ‡	qsec 🕇	vs ) 1	am) +	gear 🗘	carb 🗘
Mazda RX4	21.0	6	160.0	110	3.90	2.620	16.46	0	I	4	4
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108.0	93	3.85	2.320	18.61	1	1	4	1
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 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
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
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
incoln 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
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
Toyota Corolla	33.9	4	71.1	65	4.22	1.835	19.90	1	1	4	1
howing 1 to 22 of 3	32 entries	11 total o	olumns								

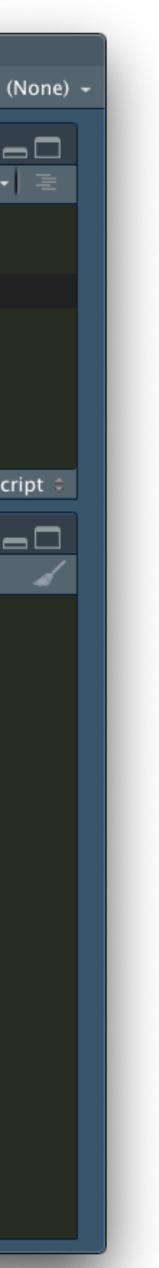
Showing 1 to 22 of 32 entries, 11 total columns

Console



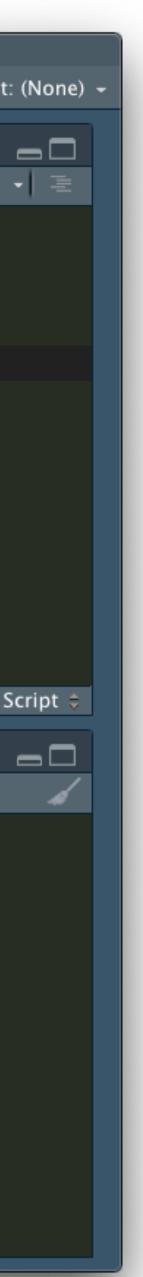


🛛 -   🐮   🚄											
Untitled1 <sup>*</sup>		Untitled2						_			
<b>♦</b> ⇒   <i>1</i> 2		_	n Save	× /*	-			-	Run	••• I → S	sou
	rs %>%										
2 gro 3	оир_бу	(qsec)									
5											
2·1 (To	n Loval)	•									_
3:1 (To	p Level)	¥	_			_	_				
Console Te	erminal	× Jobs	×								
~/ 🗭											
> mtcars <code>\$</code>	%>%										
+ group	hylas	ec)									
# A tibble	e: 32										
# A tibble # Groups:	e: 32 qse	x 11 ec [30]	la ce	daat						It	
# A tibble # Groups: <b>mpg</b>	e: 32 qse cyl	x 11 c [30] disp	hp	drat	wt	•	VS	am	gear	carb	
# A tibble # Groups: <b>mpg</b> * <i><dbl></dbl></i>	e: 32 qse <b>cyl</b> < <i>dbl&gt;</i>	× 11 c [30] disp <dbl> &lt;</dbl>	<db1></db1>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<db1></db1>	<dbl></dbl>	
# A tibble # Groups: <b>mpg</b> * <i><dbl></dbl></i> 1 <b>21</b>	e: 32 qse cyl <dbl> 6</dbl>	× 11 ec [30] disp <dbl> &lt; 160</dbl>	<db1> 110</db1>	<dbl> 3.9</dbl>	<dbl> 2.62</dbl>	<dbl> 16.5</dbl>	<dbl> 0</dbl>	<dbl> 1</dbl>	<dbl></dbl>	<dbl> 4</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21</dbl></pre>	e: 32 qse cyl <dbl> 6 6</dbl>	× 11 c [30] disp <dbl> &lt; 160 160</dbl>	<dbl>110110</dbl>	<dbl> 3.9 3.9</dbl>	<dbl> 2.62 2.88</dbl>	<dbl>16.517.0</dbl>	<dbl> 0 0</dbl>	<dbl> 1 1</dbl>	<dbl> 4 4</dbl>	<dbl> 4 4</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21 3 22.8</dbl></pre>	e: 32 qse cyl <dbl> 6 6 4</dbl>	× 11 c [30] disp < <i>dbl&gt;</i> < 160 160 108	<db1> 110 110 93</db1>	<dbl> 3.9 3.9 3.9 3.85</dbl>	<dbl> 2.62 2.88 2.32</dbl>	<pre>dbl&gt; 16.5 17.0 18.6</pre>	<dbl> 0 0 1</dbl>	<dbl> 1 1 1 1</dbl>	<dbl> 4 4 4 4</dbl>	<dbl> 4 4 1</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21 3 22.8 4 21.4</dbl></pre>	e: 32 qse cyl <dbl> 6 4 6</dbl>	× 11 c [30] disp <dbl> &lt; 160 160 108 258</dbl>	<dbl>11011093110</dbl>	<dbl> 3.9 3.9 3.85 3.08</dbl>	<dbl> 2.62 2.88 2.32 3.22</dbl>	<pre>dbl&gt; 16.5 17.0 18.6 19.4</pre>	<dbl> 0 0 1 1</dbl>	<dbl> 1 1 1 0</dbl>	<dbl> 4 4 4 3</dbl>	<dbl> 4 4</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21 3 22.8 4 21.4</dbl></pre>	e: 32 qse cyl <dbl> 6 6 4</dbl>	× 11 c [30] disp < <i>dbl&gt;</i> < 160 160 108	<db1> 110 110 93</db1>	<dbl> 3.9 3.9 3.9 3.85</dbl>	<dbl> 2.62 2.88 2.32</dbl>	<pre>dbl&gt; 16.5 17.0 18.6</pre>	<dbl> 0 0 1</dbl>	<dbl> 1 1 1 1</dbl>	<dbl> 4 4 4 4</dbl>	<dbl> 4 4 1 1</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21 3 22.8 4 21.4 5 18.7</dbl></pre>	e: 32 qse cyl <dbl> 6 4 6 8</dbl>	× 11 c [30] disp <dbl> &lt; 160 160 108 258 360</dbl>	<dbl>11011093110175</dbl>	<dbl> 3.9 3.9 3.85 3.08 3.15</dbl>	<dbl> 2.62 2.88 2.32 3.22 3.44</dbl>	<pre>dbl&gt; 16.5 17.0 18.6 19.4 17.0 20.2</pre>	<dbl> 0 0 1 1 0</dbl>	<dbl> 1 1 1 0 0</dbl>	<dbl> 4 4 4 3 3</dbl>	<dbl> 4 4 1 1 2</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21 3 22.8 4 21.4 5 18.7 6 18.1</dbl></pre>	e: 32 qse cyl <dbl> 6 4 6 8 6</dbl>	<pre>x 11 c [30] disp <dbl> <dbl> &lt;160 160 108 258 360 225</dbl></dbl></pre>	<dbl>11011093110175105</dbl>	<dbl> 3.9 3.9 3.85 3.08 3.15 2.76 3.21</dbl>	<dbl> 2.62 2.88 2.32 3.22 3.44 3.46</dbl>	<pre>dbl&gt; 16.5 17.0 18.6 19.4 17.0 20.2</pre>	<dbl> 0 0 1 1 0 1 1 0 1</dbl>	<dbl> 1 1 1 0 0 0</dbl>	<db1> 4 4 4 3 3 3</db1>	<dbl> 4 4 1 1 2 1</dbl>	
<pre># A tibble # Groups:     mpg * <dbl> 1 21 2 21 3 22.8 4 21.4 5 18.7 6 18.1 7 14.3</dbl></pre>	e: 32 qse cyl <dbl> 6 4 6 8 6 8</dbl>	<pre>x 11 c [30] disp <dbl> disp <dbl> 160 160 108 258 360 225 360</dbl></dbl></pre>	<dbl>11011093110175105245</dbl>	<dbl> 3.9 3.9 3.85 3.08 3.15 2.76 3.21</dbl>	<dbl> 2.62 2.88 2.32 3.22 3.44 3.46 3.57</dbl>	<pre><dbl> 16.5 17.0 18.6 19.4 17.0 20.2 15.8</dbl></pre>	<dbl> 0 0 1 1 0 1 0 1 0 0 1 0 1 0 0 0 0 0 0</dbl>	<dbl> 1 1 1 0 0 0 0</dbl>	<dbl> 4 4 4 3 3 3 3</dbl>	<dbl> 4 4 1 1 2 1 4</dbl>	



RStudio     Image: Studio
<pre>Untitled1* X Untitled2* X</pre>
<pre>Source on Save &gt; &gt; &gt; C Run &gt; Source &gt; &gt; &gt; &gt; &gt; Source &gt; &gt;</pre>
<pre>3 sqldf(" 4 SELECT vs, am, count(*) AS n, avg(mpg) AS avg_mpg, avg(hp) AS avg_hp 5 FROM mtcars 6 WHERE cyl &lt;&gt; '4' 7 GROUP BY vs, am</pre>
1:15 (Top Level)  Cap A Script  Cap A Script
Console Terminal × Jobs ×
~/ 💏
> > sqldf("
<pre>+ SELECT vs, am, count(*) AS n, avg(mpg) AS avg_mpg, avg(hp) AS avg_hp + FROM mtcars + WHERE cyl &lt;&gt; '4' + GROUP BY vs, am + ") vs am n avg_mpg avg_hp 1 0 0 12 15.050 194.1667 2 0 1 5 18.500 198.8000 3 1 0 4 19.125 115.2500</pre>

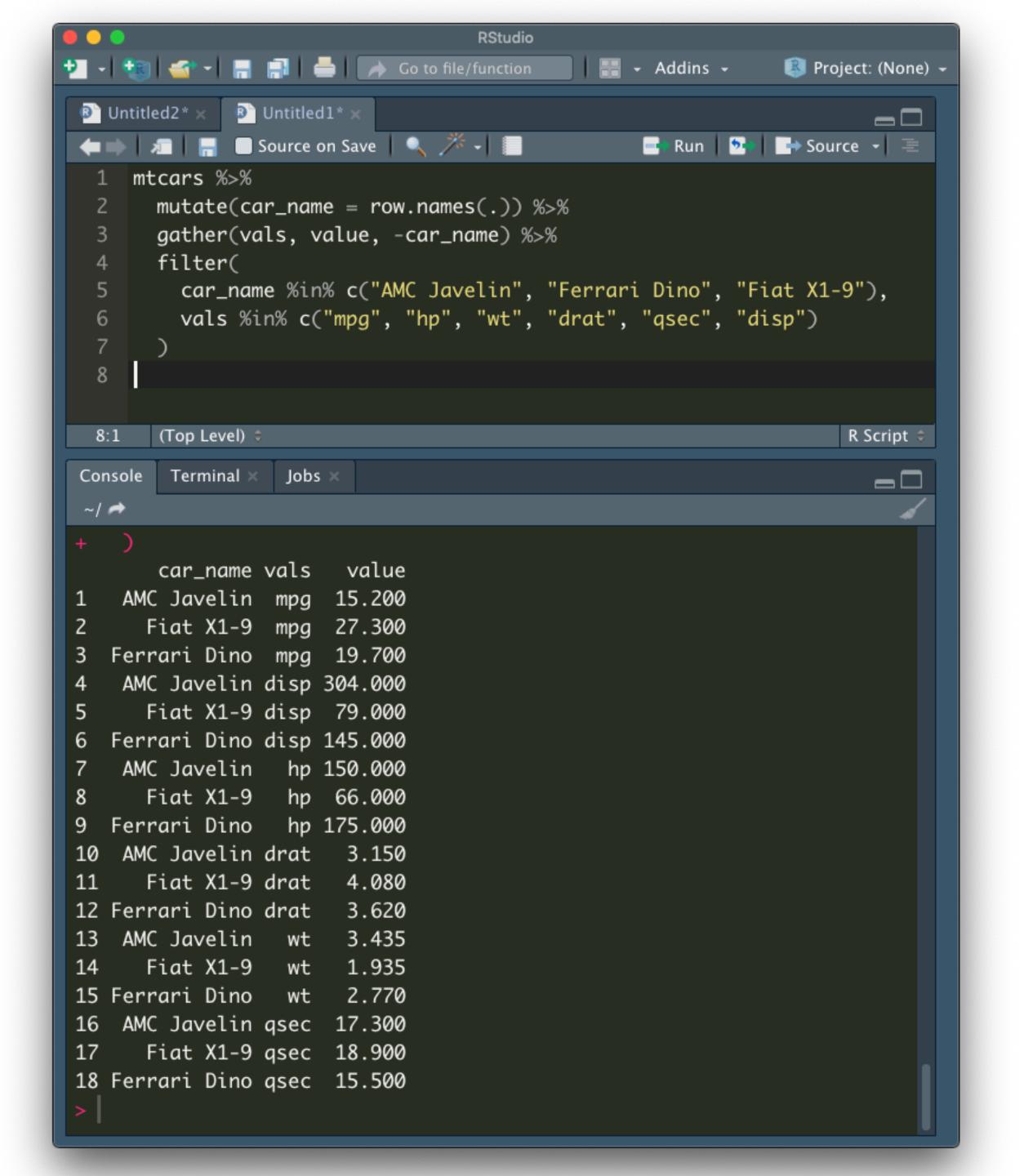
• • • • - 1 🐨   🛫 -   🖷		RStudio to file/function	- Addins -	🔋 Project:
Ontitled1* × B				Toject.
		×	Pure Dure	
				🔁 📑 Source 🚽
1 mtcars %>% 2 filter(c	; :yl != 4) %>%			
	(vs, am) %>%			
		_mpg = mean(mpg)	$ava_hp = mean$	(hp))
5	,	pg	, <u>9</u> p	C. P.2.2
5:1 (Top Level)	Ş			R Sc
5:1 (Top Level) Console Terminal	Y 1			R Sc
				R Sc
Console Terminal				R Sc
Console Terminal	× Jobs ×			R Sc
Console Terminal ~/ > mtcars %>% + filter(cyl	× Jobs × != 4) %>%			R Sc
Console Terminal ~/ > mtcars %>% + filter(cyl + group_by(vs	× Jobs × != 4) %>% s, am) %>%	og = mean(mpg), a	avg_hp = mean(hp)	
Console Terminal ~/ > mtcars %>% + filter(cyl + group_by(vs	× Jobs × != 4) %>% s, am) %>% i = n(), avg_mp	og = mean(mpg), a	avg_hp = mean(hp)	
Console Terminal ~/ > mtcars %>% + filter(cyl + group_by(vs + summarise(n # A tibble: 3 x	<pre>× Jobs × != 4) %&gt;% s, am) %&gt;% n = n(), avg_mp &lt; 5</pre>	og = mean(mpg), a	avg_hp = mean(hp)	
Console Terminal ~/ > mtcars %>% + filter(cyl + group_by(vs + summarise(n # A tibble: 3 x # Groups: vs vs am	<pre>× Jobs × != 4) %&gt;% s, am) %&gt;% n = n(), avg_mp s 5 [2] n avg_mpg a</pre>	ı∨g_hp	avg_hp = mean(hp)	
Console Terminal > ~/ ~ > mtcars %>% + filter(cyl + group_by(vs + summarise(n # A tibble: 3 x # Groups: vs vs am <dbl> <dbl> &lt;</dbl></dbl>	<pre>× Jobs × != 4) %&gt;% % , am) %&gt;% 1 = n(), avg_mp 3 5 [2]</pre>	vg_hp <dbl></dbl>	avg_hp = mean(hp	
Console Terminal > ~/ > mtcars %>% + filter(cyl + group_by(vs + summarise(n # A tibble: 3 x # Groups: vs vs am <dbl> <dbl> &lt; 1 0 0</dbl></dbl>	<pre>× Jobs × != 4) %&gt;% , am) %&gt;% 1 = n(), avg_mp 5 [2]     n avg_mpg a <int> <dbl> 12 15.0</dbl></int></pre>	avg_hp <i><dbl></dbl></i> 194.	avg_hp = mean(hp	
Console Terminal > ~/ ~ > mtcars %>% + filter(cyl + group_by(vs + summarise(n # A tibble: 3 x # Groups: vs vs am <dbl> <dbl> &lt; 1 0 0 2 0 1</dbl></dbl>	<pre>× Jobs × != 4) %&gt;% 3, am) %&gt;% 1 = n(), avg_mp 3 5 [2]     n avg_mpg a 3 int&gt; <dbl> 12 15.0 5 18.5</dbl></pre>	ivg_hp <i><dbl></dbl></i> 194. 199.	avg_hp = mean(hp	
Console Terminal > ~/ ~ > mtcars %>% + filter(cyl + group_by(vs + summarise(n # A tibble: 3 x # Groups: vs vs am <dbl> <dbl> &lt; 1 0 0</dbl></dbl>	<pre>× Jobs × != 4) %&gt;% 3, am) %&gt;% 1 = n(), avg_mp 3 5 [2]     n avg_mpg a 3 int&gt; <dbl> 12 15.0 5 18.5</dbl></pre>	avg_hp <i><dbl></dbl></i> 194.	avg_hp = mean(hp	

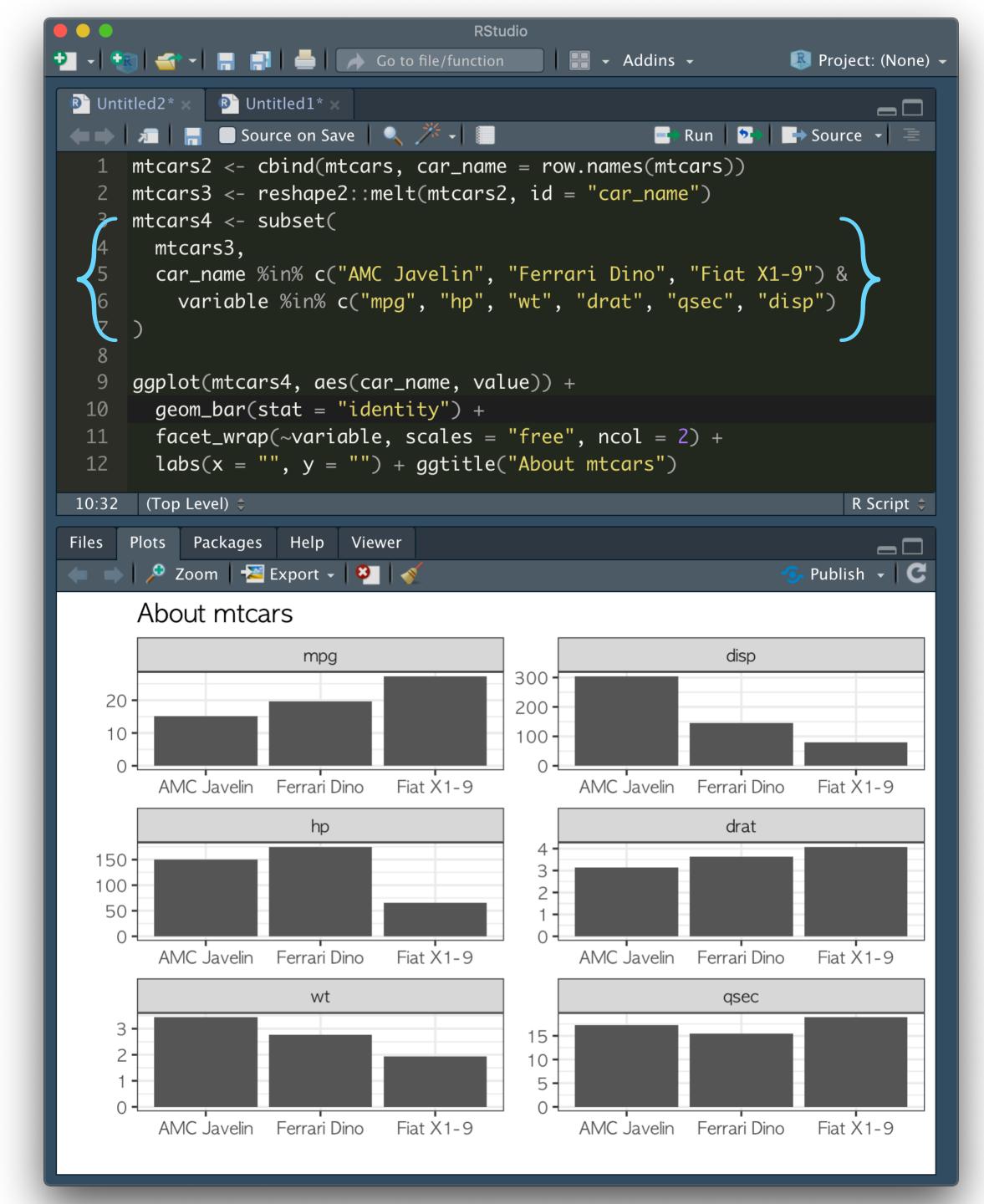


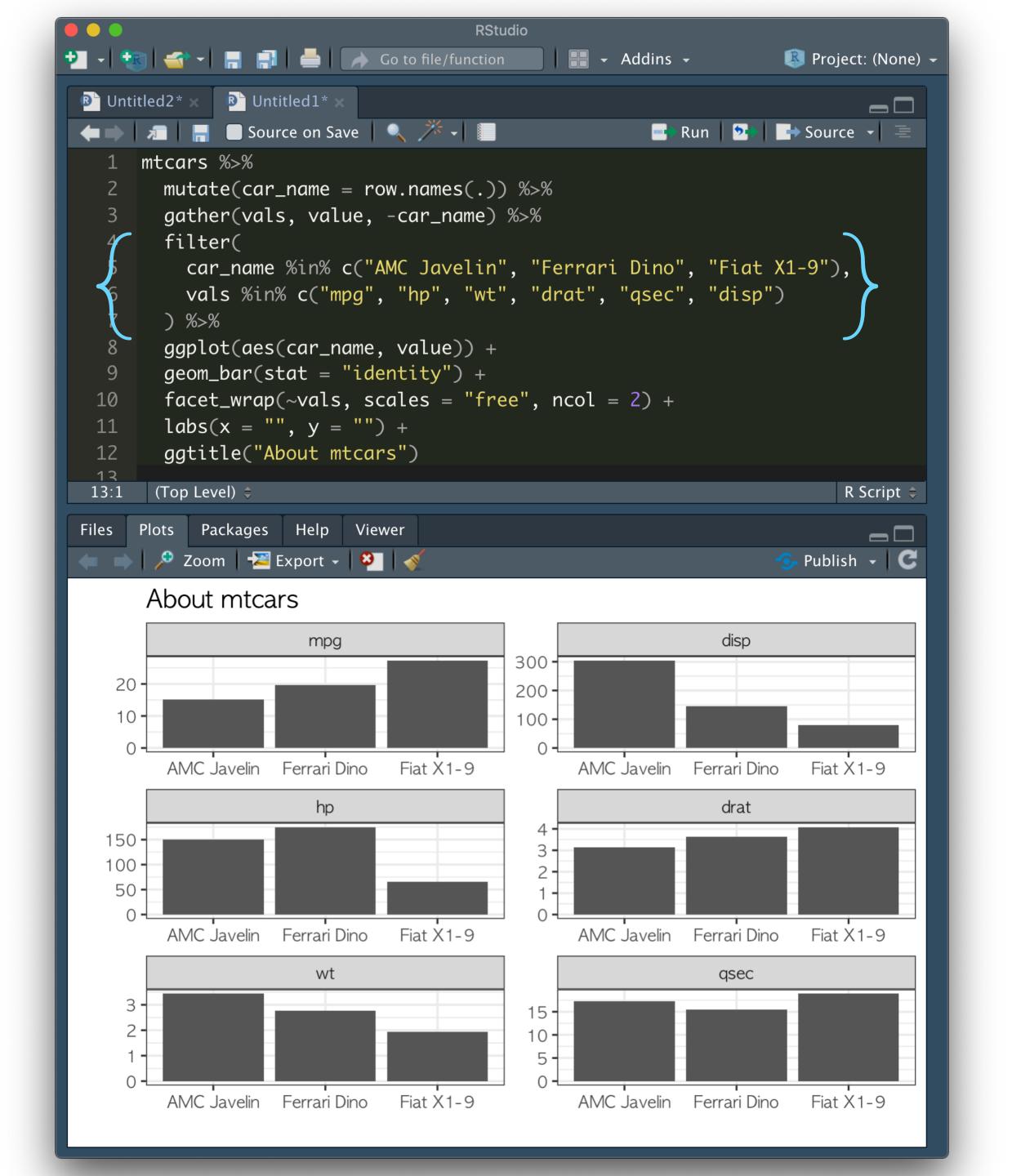
RStudio			RStudio
🔁 🖣 🐨 🕈 🔚 📑 📥 🛹 Go to file/function 🛛 🔚 🗸 Addins 🕞	🔋 Project: (None) 🗕	🔁 🚽 😻 📹 🚽 📑 📑 📥 📝 Go to file/function	📄 🔚 - Addins - 🔋 Proje
Untitled1* ×     B Untitled2* ×		Untitled1* ×      Untitled2* ×	
🚛 📄 🚛 🔲 Source on Save 🔍 🎢 🖌 🗐 👘 🔤 🔤 Run 🔮	Source 🖌 📃	🛑 🔎 🚛 🔚 🔲 Source on Save 🛛 🔍 🏸 🚽 📒	📑 Run 🛛 💁 📑 Sourc
<pre>1 mpg_group &lt;- cut(mtcars\$mpg, 2 breaks = c(-Inf, 15, 20, 25, 30, Inf), 3 labels = c("~15", "15~20", "20~25", "25~30", "30~ 4 5 d &lt;- data.frame( 6 mpg_group = levels(mpg_group), 7 n = c(table(mpg_group)), 8 prop = c(prop.table(table(mpg_group))) 9 ) 10 11 d 12</pre>		1 d <- mtcars %>% 2 mutate(mpg_group = cut(mpg, 3 breaks = c(	[-Inf, 15, 20, 25, 30, Inf), "~15", "15~20", "20~25", "25~30", "30~"))
12:1 (Top Level) \$	R Script ≑	8:2 (Top Level) ≑	
Console Terminal × Jobs ×		Console Terminal × Jobs ×	
~/ 🔿	4	~/ 🔿	
> d		> d	
mpg_group n prop		# A tibble: 5 x 3	
~15 ~15 6 0.1875 15~20 15~20 12 0.3750		mpg_group n prop <fct> <int> <dbl></dbl></int></fct>	
20~25 20~25 8 0.2500		1 ~15 6 0.188	
25~30 25~30 2 0.0625		2 15~20 12 0.375	
30~ 30~ 4 0.1250		3 20~25 8 0.25	
		4 25~30 2 0.062 <u>5</u>	
		5 30~ 4 0.125	

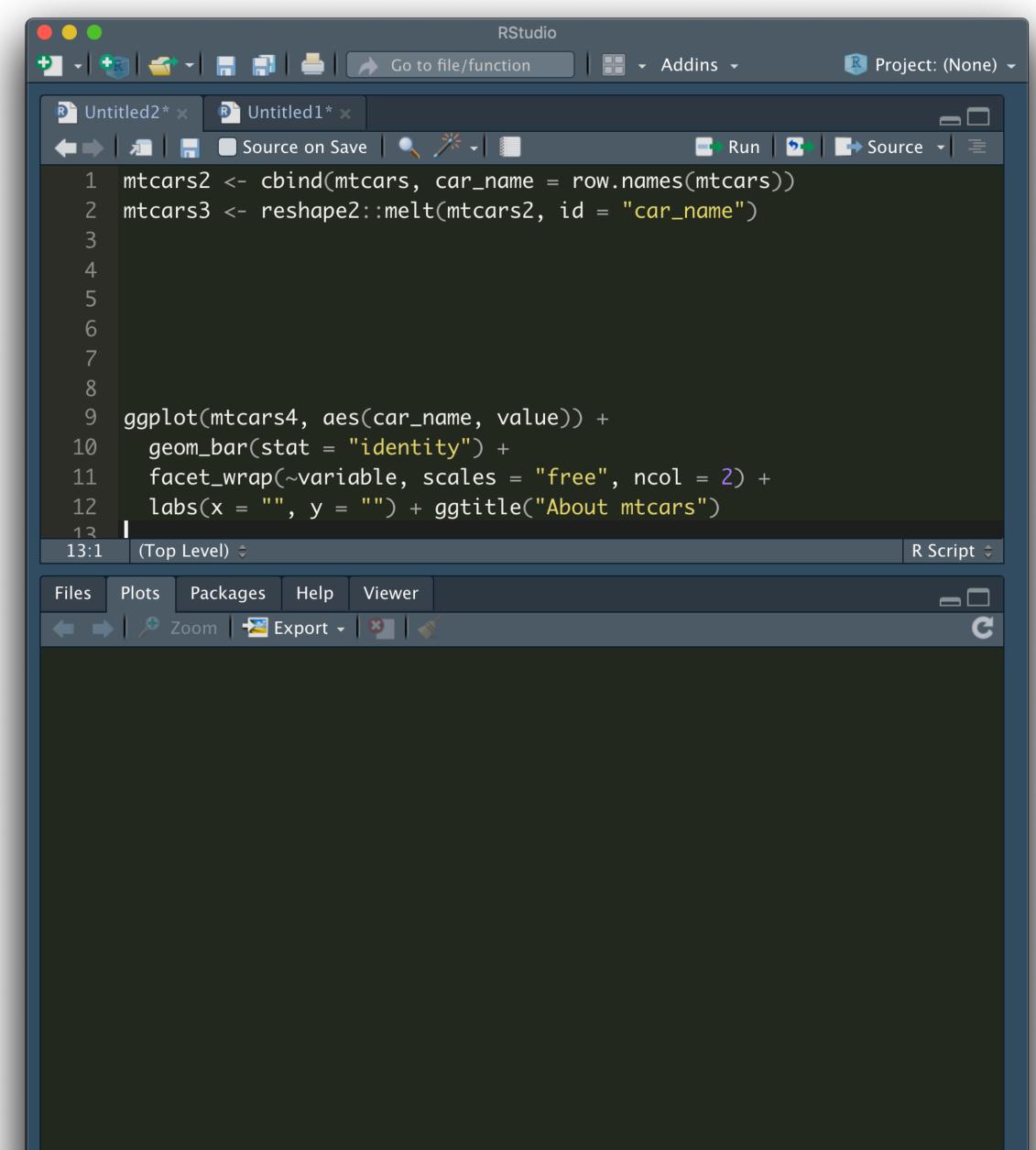


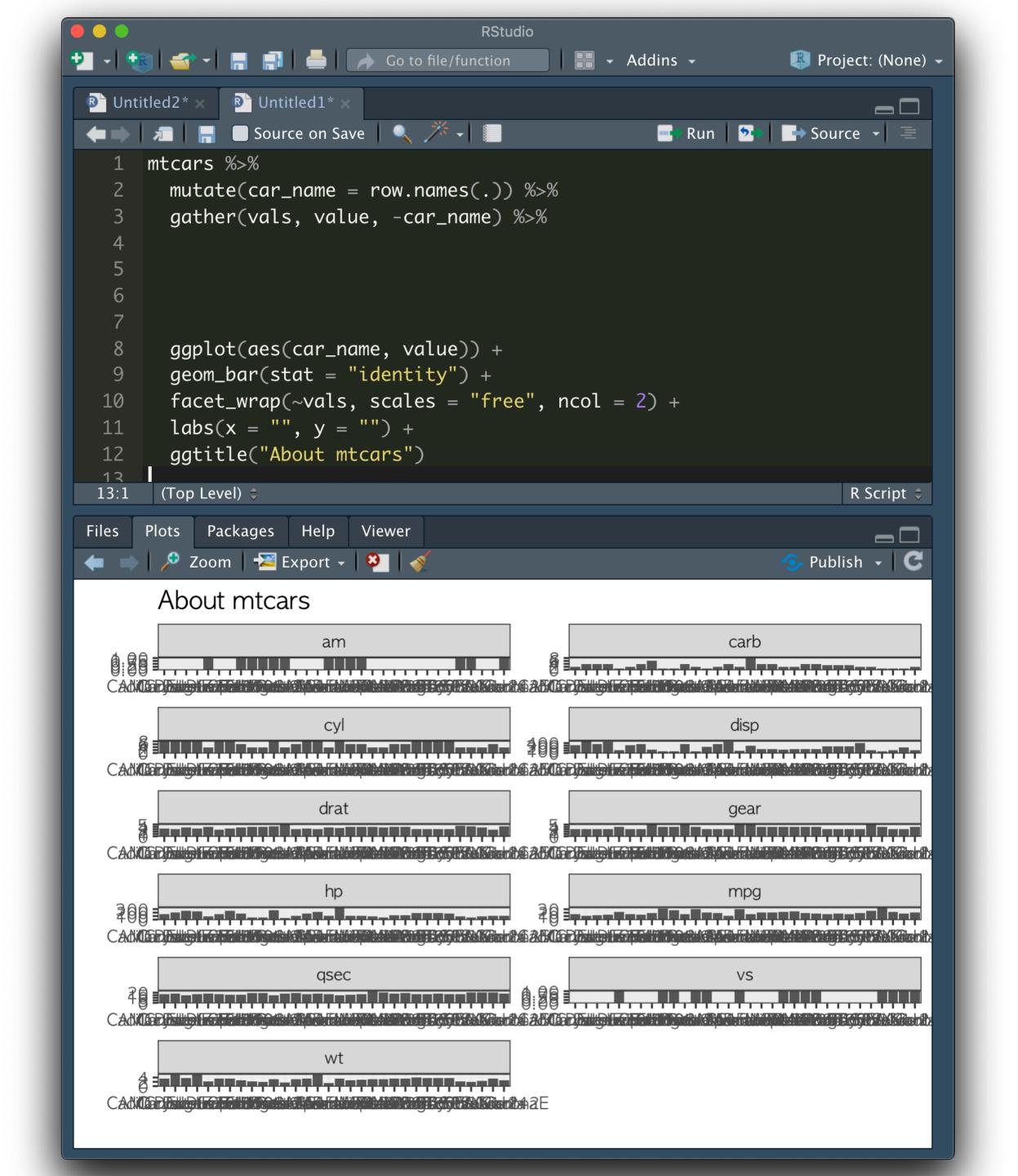
RStudio Co to file/function Addins - Project: (None) - Untitled2* × Untitled1* × Source on Save Run Source = Run Source = 1 mtcars2 < cbind(mtcars, car_name = row.names(mtcars)) 2 mtcars3 <- reshape2::melt(mtcars2, id = "car_name") 3 i 4 subset(v 5 mtcars3, 6 car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") & 7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 ) 9 9:1 (Top Level) : R Script : Console Terminal × Jobs × ~/ ~ + ) car_name variable value 23 AMC Javelin mpg 15.200 26 Fiat X1-9 mpg 27.300
<pre>&gt; Untitled2* x Untitled1* x Source on Save</pre>
<pre>Source on Save</pre>
<pre>1 mtcars2 &lt; cbind(mtcars, car_name = row.names(mtcars)) 2 mtcars3 &lt;- reshape2::melt(mtcars2, id = "car_name") 3 4 subset(v 5 mtcars3, 6 car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &amp; 7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 9 9 9 9 1 (Top Level) : R Script : Console Terminal × Jobs × ~/  + )</pre>
<pre>2 mtcars3 &lt;- reshape2::melt(mtcars2, id = "car_name") 3 4 subset(v 5 mtcars3, 6 car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &amp; 7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 ) 9 9 9 9 1 (Top Level) * R Script * Console Terminal × Jobs × ~/  + )</pre>
<pre>3 ************************************</pre>
<pre>4 subset( 5 mtcars3, 6 car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &amp; 7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 ) 9 9:1 (Top Level) * R Script * Console Terminal × Jobs × ~/ ~ + ) car_name variable value 23 AMC Javelin mpg 15.200 5.000 </pre>
<pre>5 mtcars3, 6 car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &amp; 7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 ) 9 9 9:1 (Top Level) * R Script * Console Terminal × Jobs × ~/ * + ) car_name variable value 23 AMC Javelin mpg 15.200</pre>
<pre>6 car_name %in% c("AMC Javelin", "Ferrari Dino", "Fiat X1-9") &amp; 7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 ) 9 9 9:1 (Top Level) ≎ R Script ≎ Console Terminal × Jobs × ~/ ↔ + ) car_name variable value 23 AMC Javelin mpg 15.200</pre>
<pre>7 variable %in% c("mpg", "hp", "wt", "drat", "qsec", "disp") 8 ) 9 9:1 (Top Level) * R Script * Console Terminal × Jobs × ~/  + )</pre>
<pre>8 ) 9 9 9:1 (Top Level)  R Script  R Scri</pre>
9 9:1 (Top Level) ≎ Console Terminal × Jobs × ~/ → + ) car_name variable value 23 AMC Javelin mpg 15.200
Console Terminal × Jobs × ~/ + ) car_name variable value 23 AMC Javelin mpg 15.200
<pre>~/ → + ) car_name variable value 23 AMC Javelin mpg 15.200</pre>
<pre>~/ → + ) car_name variable value 23 AMC Javelin mpg 15.200</pre>
+) car_name variable value 23 AMC Javelin mpg 15.200
car_name variable value 23 AMC Javelin mpg 15.200
23 AMC Javelin mpg 15.200
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 Eigt X1-9 wt 1.935
186 Fiat X1-9 wt 1.935 190 Ferrari Dino wt 2.770
215 AMC Javelin asec 17.300
218 Fiat X1-9 qsec 18.900
222 Ferrari Dino qsec 15.500
>



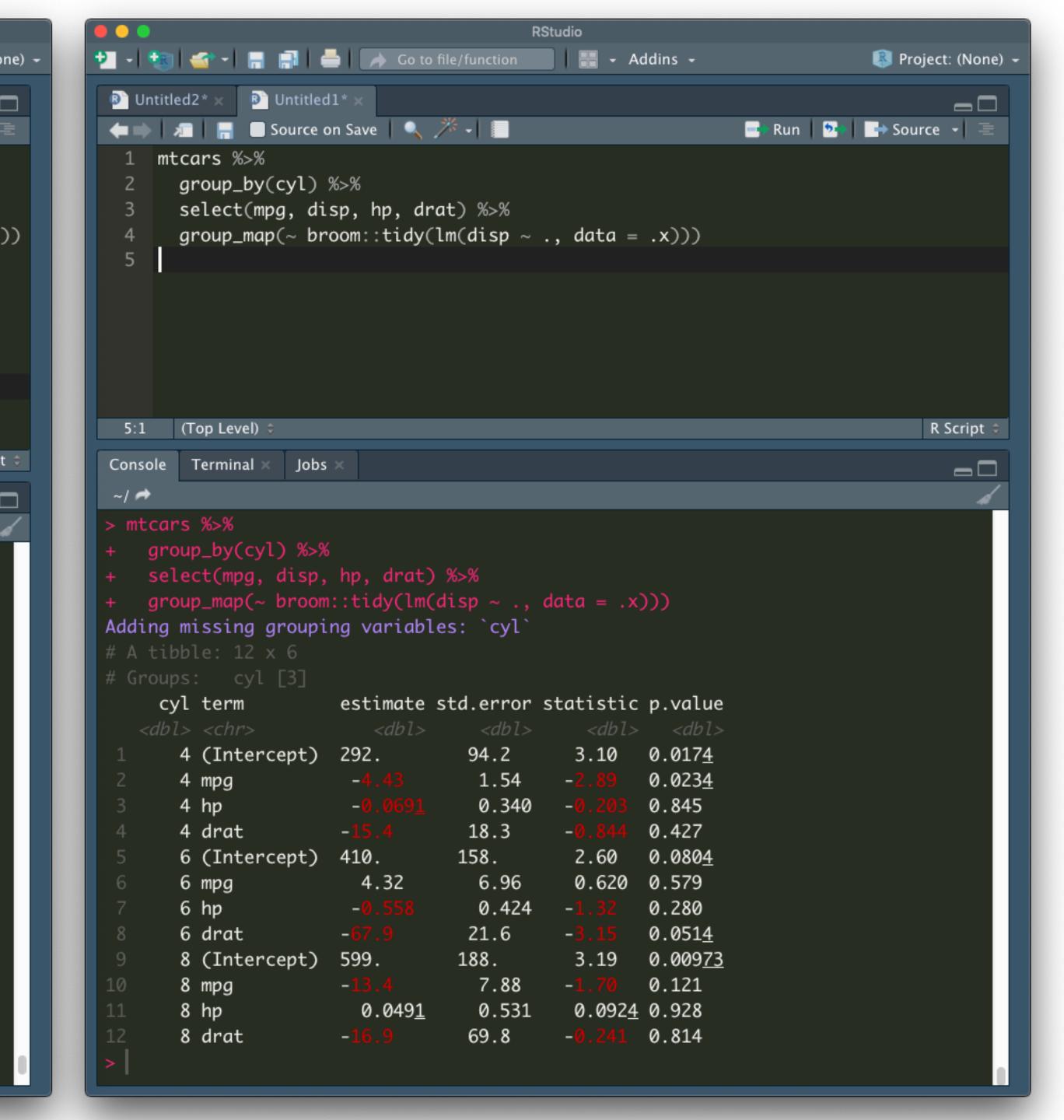








RStudio	
🔁 🗸 🐄 🚭 🗝 🔚 📑 📥 🛛 🝌 Go to file/function 🛛 🔚 🗸 Addins 🕞	🔋 Project: (Non
Untitled2* ×      Untitled1* ×	
	Source 🚽 🗐
	Source •
1 res <- list()	
$\frac{2}{2}$	
3 ▼ for(i in unique(mtcars\$cyl)){	"
4 mtcars2 <- subset(mtcars, cyl == i, select = c("mpg", "disp", 5 lmfit <- lm(disp ~ data = mtcars2)	np, arat)
<pre>5 lmfit &lt;- lm(disp ~ ., data = mtcars2) 6 res[[paste0("cyl = ", i)]] &lt;- summary(lmfit)\$coefficients</pre>	
7 }	
8	
9 res	
10	
10:1 (Top Level) 🗘	R Script
Console Terminal × Jobs ×	
~/ * > res	
$s^{-1}cyl = 6$	
Estimate Std. Error t value Pr(> t )	
(Intercept) 409.7810370 157.6040990 2.6000659 0.08037125	
mpg 4.3156170 6.9553459 0.6204748 0.57889061	
hp -0.5577404 0.4240994 -1.3151171 0.27995856	
drat -67.8987957 21.5800161 -3.1463737 0.05140931	
\$`cyl = 4`	
Estimate Std. Error t value Pr(> t )	
(Intercept) 291.95739382 94.2296040 3.0983617 0.01736213	
mpg -4.43485184 1.5364290 -2.8864672 0.02343414	
hp -0.06905319 0.3396118 -0.2033298 0.84466159	
drat -15.44260687 18.3034139 -0.8437009 0.42672465	
\$`cyl = 8`	
Estimate Std. Error t value Pr(> t )	
(Intercept) 599.07461416 188.0764183 3.18527235 0.009731938	
mpg -13.36500593 7.8802088 -1.69602180 0.120737856	
hp 0.04906465 0.5310913 0.09238459 0.928217072	
drat -16.85451710 69.8014973 -0.24146355 0.814075033	



## Before

## tidyverse

www.rstudio.com

### After



