


How DataEditR works

It's super-simple. Just run this code to:

1. **Load Libraries:** Load `DataEditR`, `tidyverse` and `tidyquant`.
2. **Import Data:** We're using the `mpg` dataset that comes with `ggplot2`.
3. **Start Data Editing:** Use the `data_edit()` function.

```
0
7 # LIBRARIES ----
8
9 library(DataEditR)
10 library(tidyverse)
11 library(tidyquant)
12
13 # DATA ----
14 mpg
15
16
17 # 1.0 DATA EDITING ----|
18
19 # 1.1 data_edit() ----
20
21 mpg_subset <- data_edit(
22   x = mpg
23 )
24
```



Load Libraries

Get data

Start Data Editing!

[Get the code.](#)

This launches the **Data Editor**.

Desktop

Cancel Data Editor Done

Upload data to edit: Browse... No file selected

Data to edit: mpg

	manufacturer	model	displ	year	cyl	trans	drv	cty	hwy	fl	class
1	audi	a4	1.8	1999	4	auto(l5)	f	18	29	p	compact
2	audi	a4	1.8	1999	4	manual(m5)	f	21	29	p	compact
3	audi	a4	2	2008	4	manual(m6)	f	20	31	p	compact
4	audi	a4	2	2008	4	auto(av)	f	21	30	p	compact
5	audi	a4	2.8	1999	6	auto(l5)	f	16	26	p	compact
6	audi	a4	2.8	1999	6	manual(m5)	f	18	26	p	compact
7	audi	a4	3.1	2008	6	auto(av)	f	18	27	p	compact
8	audi	a4 quattro	1.8	1999	4	manual(m5)	4	18	28	p	compact
9	audi	a4 quattro	1.8	1999	4	auto(l5)	4	16	25	p	compact
10	audi	a4 quattro	2	2008	4	manual(m6)	4	20	28	p	compact
11	audi	a4 quattro	2	2008	4	auto(s6)	4	19	27	p	compact
12	audi	a4 quattro	2.8	1999	6	auto(l5)	4	15	25	p	compact
13	audi	a4 quattro	2.8	1999	6	manual(m5)	4	17	25	p	compact
14	audi	a4 quattro	3.1	2008	6	auto(s6)	4	17	25	p	compact
15	audi	a4 quattro	3.1	2008	6	manual(m6)	4	15	25	p	compact
16	audi	a5 quattro	2.8	1999	6	auto(l5)	4	15	24	p	midsize
17	audi	a5 quattro	3.1	2008	6	auto(s6)	4	17	25	p	midsize
18	audi	a5 quattro	4.2	2008	8	auto(s6)	4	16	23	p	midsize
19	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20	r	suv
20	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	11	15	e	suv
21	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20	r	suv
22	chevrolet	c1500 suburban 2wd	5.7	1999	8	auto(l4)	r	13	17	r	suv
23	chevrolet	c1500 suburban 2wd	6	2008	8	auto(l4)	r	12	17	r	suv
24	chevrolet	corvette	5.7	1999	8	manual(m6)	r	16	26	p	2seater
25	chevrolet	corvette	5.7	1999	8	auto(l4)	r	15	23	p	2seater
26	chevrolet	corvette	6.2	2008	8	manual(m6)	r	16	26	p	2seater

The Data Editor

Try Editing Cells

Click on a cell and make any edits.

Desktop

Cancel Data Editor Done

Upload data to edit: Browse... No file selected

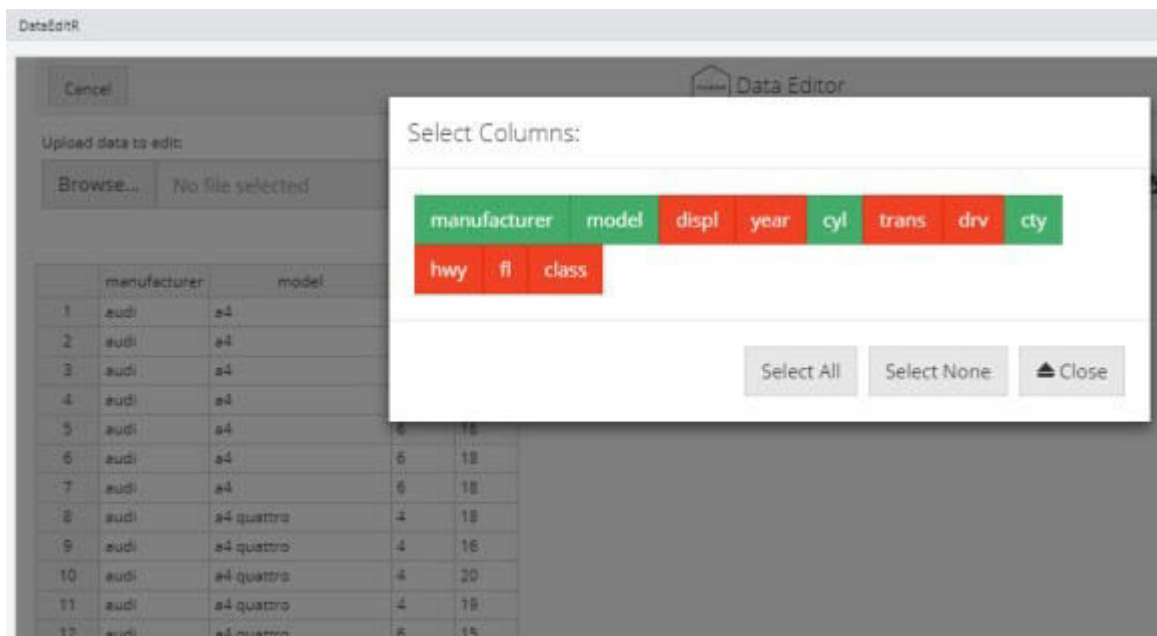
Data to edit: mpg

	manufacturer	model	displ	year	cyl	trans	drv	cty	hwy	fl	class
1	audi	my new model	1.8	1999	4	auto(l5)	f	18	29	p	compact
2	audi	a4	1.8	1999	4	manual(m5)	f	21	29	p	compact
3	audi	a4	2	2008	4	manual(m6)	f	20	31	p	compact
4	audi	a4	2	2008	4	auto(av)	f	21	30	p	compact
5	audi	a4	2.8	1999	6	auto(l5)	f	16	26	p	compact
6	audi	a4	2.8	1999	6	manual(m5)	f	18	26	p	compact
7	audi	a4	3.1	2008	6	auto(av)	f	18	27	p	compact
8	audi	a4 quattro	1.8	1999	4	manual(m5)	4	18	28	p	compact
9	audi	a4 quattro	1.8	1999	4	auto(l5)	4	16	25	p	compact
10	audi	a4 quattro	2	2008	4	manual(m6)	4	20	28	p	compact
11	audi	a4 quattro	2	2008	4	auto(s6)	4	19	27	p	compact
12	audi	a4 quattro	2.8	1999	6	auto(l5)	4	15	25	p	compact
13	audi	a4 quattro	2.8	1999	6	manual(m5)	4	17	25	p	compact
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15	audi	a4 quattro	3.1	2008	6	manual(m6)	4	15	25	p	compact
16	audi	a5 quattro	2.8	1999	6	auto(l5)	4	15	24	p	midsize
17	audi	a5 quattro	3.1	2008	6	auto(s6)	4	17	25	p	midsize
18	audi	a5 quattro	4.2	2008	8	auto(s6)	4	16	23	p	midsize
19	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20	r	suv
20	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	11	15	e	suv
21	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20	r	suv
22	chevrolet	c1500 suburban 2wd	5.7	1999	8	auto(l4)	r	13	17	r	suv
23	chevrolet	c1500 suburban 2wd	6	2008	8	auto(l4)	r	12	17	r	suv
24	chevrolet	corvette	5.7	1999	8	manual(m6)	r	16	26	p	2seater
25	chevrolet	corvette	5.7	1999	8	auto(l4)	r	15	23	p	2seater
26	chevrolet	corvette	6.2	2008	8	manual(m6)	r	16	26	p	2seater

Editing Cells

Try Selecting Columns

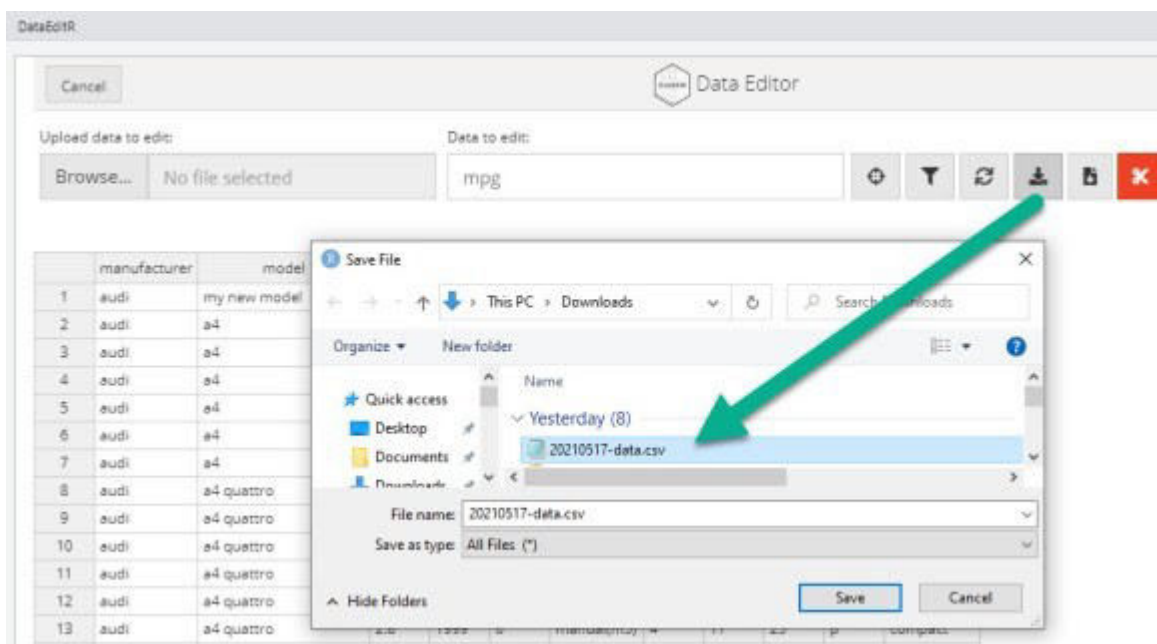
Click the target icon. Then select columns you are interested in.



Selecting Columns

When you're done, save a CSV

After you've made your edits, you can optionally save a CSV File. Alternatively, you can return a data frame in your active R Session.



Save as CSV File

Going Further with `dplyr` and `ggplot2`

DataEditR is great for making simple edits. But, eventually you're going to need to go further by using code to wrangle data and prepare visualizations. For this, I'll circle back to `dplyr` and `ggplot2`, and my [Ultimate R Cheat Sheet](#).

Fuel Economy by Vehicle Model

Say that you wanted to make a visualization that shows the differences in vehicle models and their fuel economy measured as miles per gallon (MPG). We can do this with `dplyr` and `ggplot2`.

```

36
37
38 mpg %>%
39
40   select(manufacturer, model, cty, hwy, class) %>%
41   pivot_longer(cols = c(cty, hwy)) %>%
42   mutate(
43     model = fct_reorder(
44       str_glue("{manufacturer} {model}") %>% str_to_title(),
45       value
46     ),
47     name = str_to_upper(name)
48   ) %>%
49
50   ggplot(aes(x = model, y = value, fill = class)) +
51   geom_boxplot() +
52   facet_grid(cols = vars(name), scales = "free_y") +
53   coord_flip() +
54   scale_fill_tq() +
55   theme_tq() +
56   labs(title = "Fuel Economy by Model", y = "MPG", x = "")
57

```

← *dplyr*
data wrangling

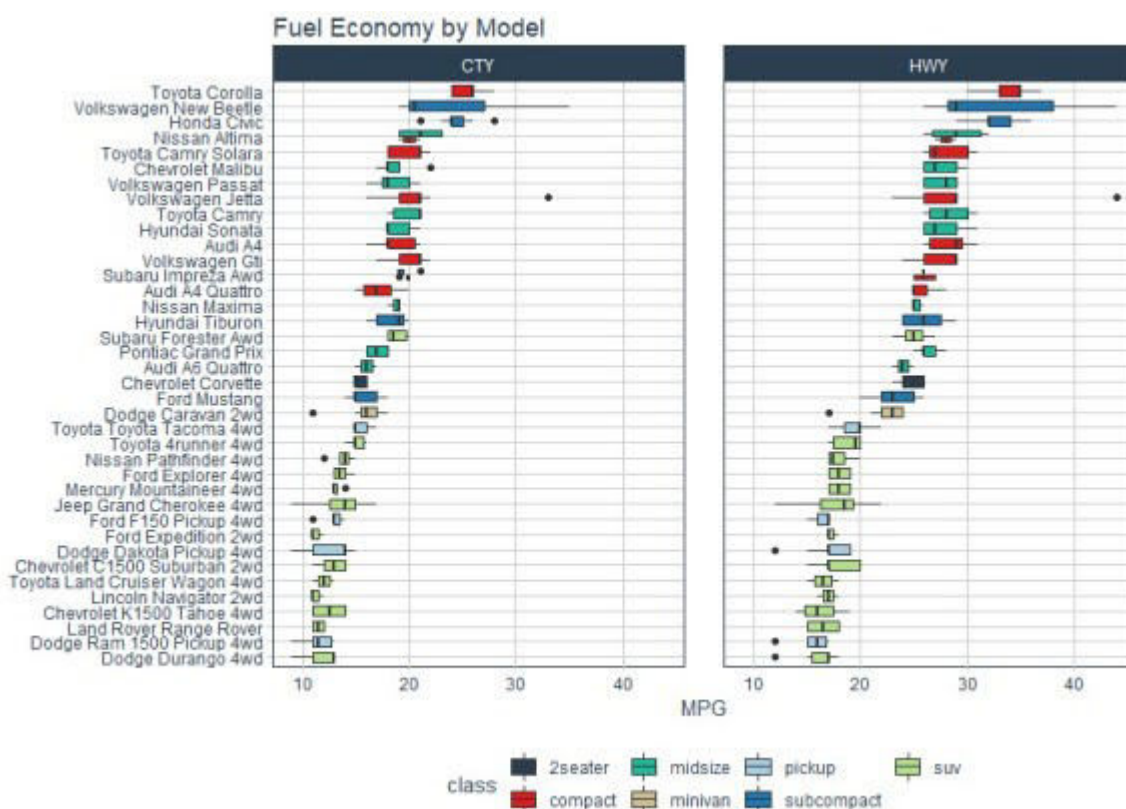
← *ggplot2*
visualization

[Get the code.](#)

Visualization and Insights

The code makes a stunning `ggplot2` visualization that highlights the differences in fuel economy by vehicle model and class. We can see:

- **SUV's** clearly have the lowest fuel economy although the Subaru Forester AWD seems to be an outlier.
- **Toyota Corolla** is leading the pack with Highway MPG in the mid-30s.



In Summary

You've seen how `DataEditR` can be used for making simple edits inside of R. You've also seen that learning `dplyr` and `ggplot2` can generate insights through visualizations.

What if you want to go further? Read on.